

# IN HOUSE REFERNCE STANDARD IMPURITY CATALOGUE

Last Update On Aug -2021



Reference standard management Group  
Sun Pharmaceutical Industries Limited  
Tandalja, Vadodara 390020 (Gujarat).India





SUN PHARMACEUTICAL INDUSTRIES LIMITED TANDALJA ROAD, VADODARA,390020.INDIA

Tel. : 91- 265 – 6615500 / 66156000 / 2350789 Fax : 91- 265- 2354897

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## **CATALOGUE SUMMARY**

Reference standards Cost is updated.

New Reference standards added in catalogue

SAP codes are updated.

Reference standards CAS no are also updated.

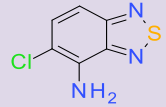
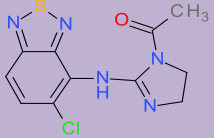
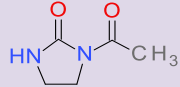
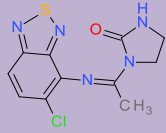
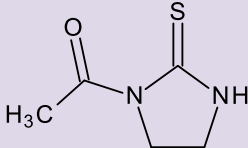



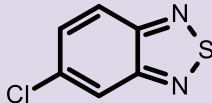
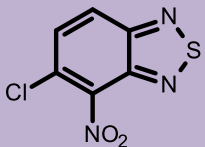
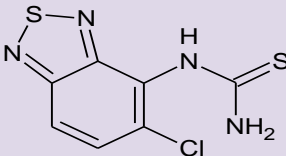
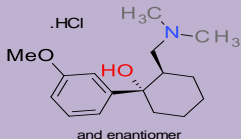
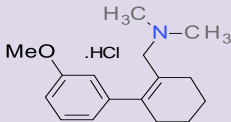
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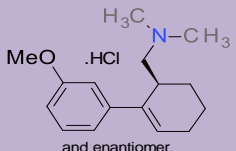
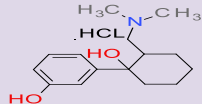
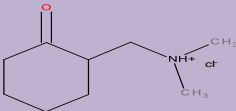
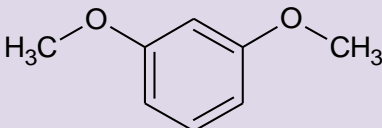
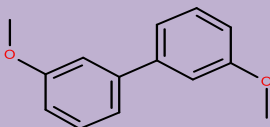
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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

Last update On Aug 2021

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500090	IABD042700	TIZANIDINE HYDROCHLORIDE BENZOTHIADIAZOLE IMPURITY (IH:IMP-A / USP:RELATED COMPOUND-A,EP-IMP-E)		Cas No : 30536-19-7	
8500156	IBBD042700	TIZANIDINE HYDROCHLORIDE ACETYL TIZANIDINE IMPURITY (IH:IMP-B / USP:RELATED COMPOUND-B)		Cas No : 173532-15-5	
8500219	ICBD042700	TIZANIDINE HYDROCHLORIDE ACETYL ETHYLENEUREA IMPURITY (IH:IMP-C)		Cas No : 5391-39-9	
8500270	IDBD042700	TIZANIDINE HYDROCHLORIDE ACETYL TIZANIDINE ISOMER IMPURITY (IH:IMP-D)			
8507519	8507519	TIZANIDINE HYDROCHLORIDE : USP RELATED COMPOUND C		CAS No : 5391-52-6	
8501316	I1BD042700	TIZANIDINE HYDROCHLORIDE : TIZANIDINE HYDROCHLORIDE STAGE-I IMPURITY		CAS No : 95-83-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501317	I2BD0427O0	TIZANIDINE HYDROCHLORIDE : TIZANIDINE HYDROCHLORIDE STAGE-II IMPURITY		CAS No : 2207-32-1	
8501319	I3BD0427O0	TIZANIDINE HYDROCHLORIDE : TIZANIDINE HYDROCHLORIDE STAGE-III IMPURITY		CAS No : 2274-89-7	
8508395	8508395	TIZANIDINE HYDROCHLORIDE EP-IMPURITY B		CAS No : 51323-05-8	
8500092	IABD0435O0	TRAMADOL HYDROCHLORIDE : TRANS-TRAMADOL HYDROCHLORIDE IMPURITY (IH/BP/Ph. Eur. : IMPURITY-A, USP : RELATED COMPOUND-A)		Cas No : 73806-49-2	
8500158	IBBD0435O0	TRAMADOL HYDROCHLORIDE : 1,2-OLEFIN IMPURITY (IH/BP/Ph. Eur. : IMPURITY-B)		Cas No : 66170-32-9	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500220	ICBD043500	TRAMADOL HYDROCHLORIDE : 1,6-OLEFIN IMPURITY (IH/BP/Ph. Eur. : IMPURITY-C)	 <p>and enantiomer</p>	Cas No : : 66170-31-8	
8500271	IDBD043500	TRAMADOL HYDROCHLORIDE : PHENOL IMPURITY (IH/BP/Ph. Eur. : IMPURITY-D)		CAS : 16412-54-7	
8505893	8505893	2-DIMETHYLAMINOMETHYL CYCLOHEXANONE HYDROCHLORIDE		CAS : 42036-65-7	TRAMADOL HYDROCHLORIDE : IMPURITY-E (IH/BP/Ph. Eur. : IMPURITY-E, USP : RELATED COMPOUND-B)]
8508017	8508017	1,3- DIMETHOXYBENZENE [REFERENCE STANDARD]		CAS No : 151-10-0	
8508023	8508023	3, 3'-DIMETHOXY BIPHENYL [REFERENCE STANDARD]		CAS No : 6161-50-8	
8508022	8508022	METHYLAMINE HYDROCHLORIDE [REFERENCE STANDARD]	$\text{CH}_3\text{NH}_2 \cdot \text{HCl}$	CAS No : 593-51-1	





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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8508019	8508019	ETHYLAMINE HYDROCHLORIDE [REFERENCE STANDARD]		CAS No : 557-66-4	
8508015	8508015	DIETHYLAMINE [REFERENCE STANDARD]		CAS No : 109-89-7	
8500054	IABD018500	FLUTICASONE PROPIONATE : CARBOXYLIC ACID IMPURITY (IH/BP/Ph.Eur. : IMPURITY-A)		CAS No 65429-42-7	
8500120	IBBD018500	FLUTICASONE PROPIONATE : SULFENIC ACID IMPURITY. (IH/BP/Ph.Eur. : IMPURITY-B, USP : RELATED COMPOUND A)		CAS No 948566-12-9	
8500186	ICBD018500	FLUTICASONE PROPIONATE : ACETATE IMPURITY (IH/BP/Ph.Eur. : IMPURITY-C, USP : RELATED COMPOUND C)		CAS No.: 80474-24-4	
8500245	IDBD018500	FLUTICASONE PROPIONATE : S-METHYL IMPURITY (IH/BP/Ph.Eur. : IMPURITY-D, USP : RELATED COMPOUND D)		CAS No: 73205-13-7	

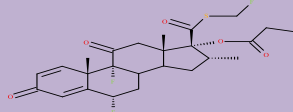
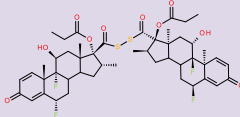
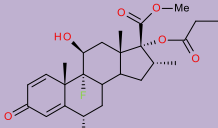
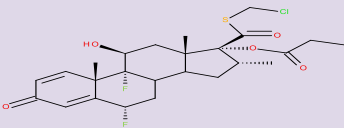
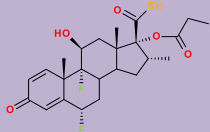


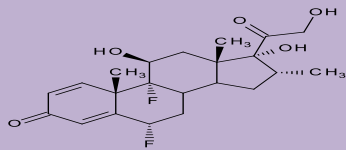
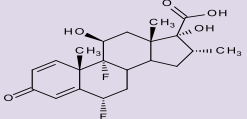
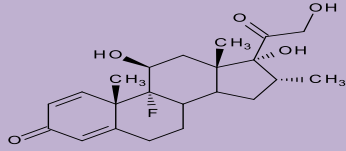
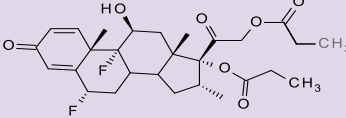
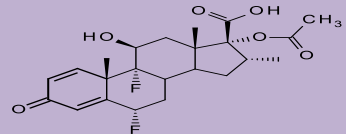
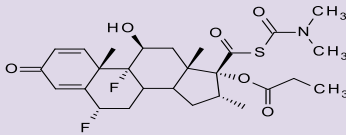
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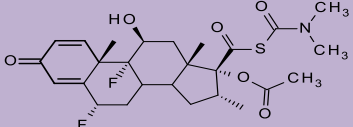
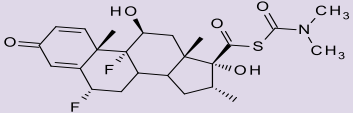
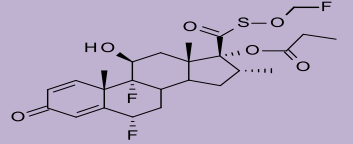
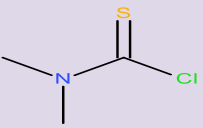
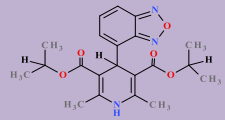

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500318	IFBD018500	FLUTICASONE PROPIONATE : 11-KETO IMPURITY (IH/BP/Ph.Eur. : IMPURITY-F)		CAS No: 1219174-94-3	
8500360	IHBD018500	FLUTICASONE PROPIONATE : DIMER IMPURITY (IH/BP/Ph.Eur. : IMPURITY-H)		CAS No : 201812-64-8	
8500379	IJBD018500	FLUTICASONE PROPIONATE : METHYL ESTER IMPURITY (IH : IMPURITY-J)			
8500385	IKBD018500	FLUTICASONE PROPIONATE : CHLORO IMPURITY (IH : IMPURITY-K)		CAS No 80486-69-7	
8500388	ILBD018500	FLUTICASONE PROPIONATE : THIOIC ACID IMPURITY (IH : IMPURITY-L)			
8502553	I1BD018500	FLUTICASONE PROPIONATE : SYSTEM SUITABILITY MIXTURE FOR S-METHYL IMP. (IH/BP/Ph.Eur. : IMP.-D, USP : RELATED COMP.-D)	NA		

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505743	8505743	FLUTICASONE PROPIONATE : FLUMETHASONE		CAS No : 2135-17-3	
8505744	8505744	FLUTICASONE PROPIONATE : STAGE-I		CAS No : 28416-82-2	
8506074	8506074	FLUMETHASONE : 6-DESFLUORO FLUMETHASONE (DEXAMETHASONE)		CAS No : 50-02-2	
8505772	8505772	FLUMETHASONE DIESTER IMPURITY		NA	
8505773	8505773	FLUTICASONE STAGE-II : 17-ACETATE IMPURITY		NA	
8505745	8505745	FLUTICASONE PROPIONATE : STAGE-III		NA	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505759	8505759	FLUTICASONE STAGE-III : 17-ACETATE IMPURITY		NA	
8505771	8505771	FLUTICASONE STAGE-III : 17-HYDROXY IMPURITY		NA	
8506604	8506604	FLUTICASONE PROPIONATE : S-FLUOROMETHOXY IMPURITY		NA	
8508715	8508715	N,N-DIMETHYLTHIOCARBAMOYL CHLORIDE		CAS No : 16420-13-6	
8502897	IBBD074000	ISRADIPINE : IMPURITY-B (IH/BP/Ph.Eur. : IMP-B)		CAS No : 1352916-15-4	
8502956	ICBD074000	ISRADIPINE : IMPURITY-C (IH/BP/Ph.Eur. : IMP-C)		CAS No : 75695-84-0	





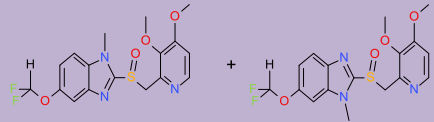
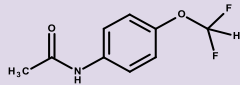
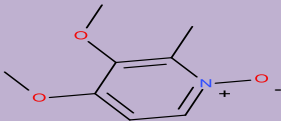
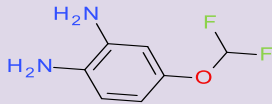
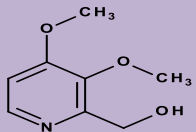
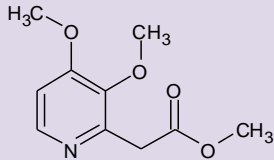
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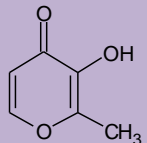
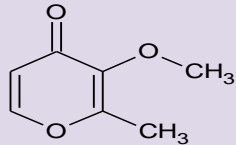
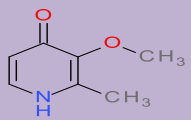
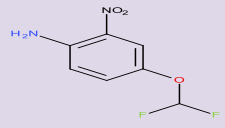
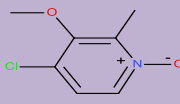
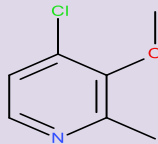
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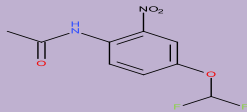
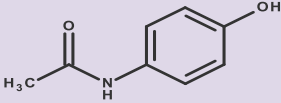
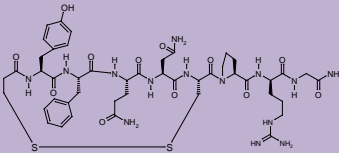
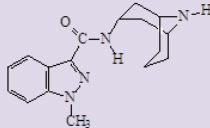
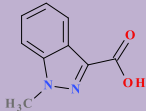
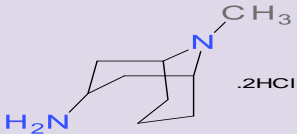
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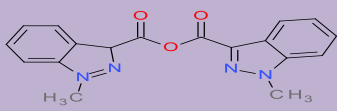
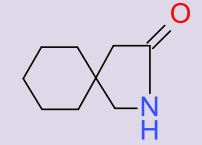
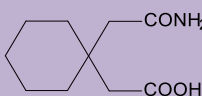
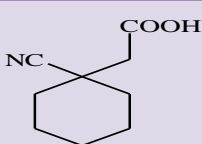
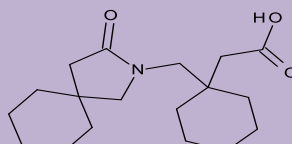
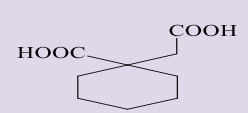
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503015	IDBD074000	ISRADIPINE : IMPURITY-D (IH/BP/Ph.Eur. : IMP-D, USP : IMP-A)		CAS No : 116169-18-7	
8500160	IBBD046300	ZOLPIDEM TARTRATE: STAGE-II (IH: IMP-B)		CAS No : 189005-44-5	
8500222	ICBD046300	ZOLPIDEM TARTRATE: STAGE-I (IH: IMP-C)		CAS No : 365213-58-7	
8500080	IABD033600	PANTOPRAZOLE SODIUM : IMPURITY-A (IH : IMP-A, USP/Ph.Eur : IMP-B)		CAS No : [102625-64-9]	
8500144	IBBD033600	PANTOPRAZOLE SODIUM : IMPURITY-B (IH : IMP-B, USP/Ph.Eur : IMP-A)		CAS No : [127780-16-9]	
8500206	ICBD033600	PANTOPRAZOLE SODIUM : IMPURITY-C (IH/USP/Ph.Eur : IMP-C) / KSM-1		CAS No : [97963-62-7]	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500012	I1BD033600	PANTOPRAZOLE SODIUM : IMPURITY-D & F (IH/USP/Ph.Eur : IMPURITY-D & F)		CAS No : [624742-53-6]	
8505816	8505816	N-[4-(DIFLUORO METHOXY)PHENYL] ACETAMIDE		CAS No : [22236-11-9]	
8505817	8505817	1-OXO-3,4-DIMETHOXY-2-METHYLPYRIDINIUM (N-OXIDE)		CAS No.72830- 07-0	
8505818	8505818	2-AMINO-4-(DIFLUOROMETHOXY) PHENYLAMINE			
8505819	8505819	2-HYDROXYMETHYL-3,4-DIMETHOXY PYRIDINE		CAS No.72830- 08-1	
8505820	8505820	3,4 DIMETHOXPYRIDINE-2-YL)METHYL ACETATE			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505821	8505821	3-HYDROXY-2-METHYL-4-PYRANONE		CAS Number 118-71-8	
8505822	8505822	3-METHOXY-2-METHYL-4H-PYRAN-4-ONE		CAS Number 4780-14-7	
8505823	8505823	3-METHOXY-2-METHYL-1H-PYRIDIN-4-ONE		CAS Number: 76015-11-7	
8505824	8505824	4-( DIFLUOROMETHOXY)-2-NITROANILINE		CAS 97963-76-3	
8505825	8505825	4-CHLORO-1-OXO-3-METHOXY-2-METHYLPYRIDINIUM			
8505826	8505826	4-CHLORO-3-METHOXY-2-METHYLPYRIDINE		Cas No : 107512-34-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505827	8505827	4-DIFLUORO METHOXY-2-NITRO ACETANILIDE			
8505828	8505828	N-(4-HYDROXY PHENYL) ACETAMIDE			
8502264	GRSBD0116 O	DESMOPRESSIN ACETATE (GLOBAL REFERENCE STANDARD)		CAS-No. : 16679-58-6	
8504970	ICBD020300	GRANISETRON HYDROCHLORIDE : IMPURITY-C (IH / USP / Ph. Eur. : IMPURITY-C)		CAS No : 141136-01-8	
8502991	IDBD020300	GRANISETRON HYDROCHLORIDE : IMPURITY-D (IH / USP / Ph. Eur. : IMPURITY-D)		CAS No : 50890-83-0	
8503046	IEBD020300	GRANISETRON HYDROCHLORIDE : IMPURITY-E (IH / USP / Ph. Eur. : IMPURITY-E)		CAS No : 1174751-61-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503178	IIBD020300	GRANISETRON HYDROCHLORIDE : IMPURITY-I (IH /Ph. Eur. : IMPURITY-I)			
8500056	IABD019100	GABAPENTIN : LACTAM IMPURITY (IH/USP/Eur. Ph : IMP-A)		CAS No : 64744-50-9	
8500122	IBBD019100	GABAPENTIN : IMPURITY-B (IH : IMP-B) / STAGE-III		CAS No : 99189-60-3	
8501708	ICBD019100	GABAPENTIN : IMPURITY-C [IH-IMP-C, PH.EUR.: IMP-B,USP-RELATED COMPOUND-B]		CAS No : 133481-09-1	
8501709	IDBD019100	GABAPENTIN : IMPURITY-D [IH/PH.EUR.: IMP- D,USP-RELATED COMPOUND-D]		CAS No : 1076198-17-8	
8501710	IEBD019100	GABAPENTIN : IMPURITY-E [IH/PH.EUR.: IMP- E,USP-RELATED COMPOUND-E]		CAS No : 67950-95-2	

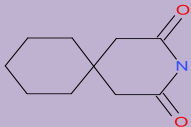
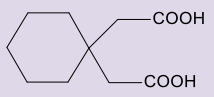
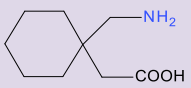
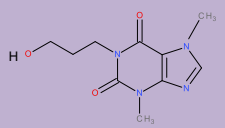
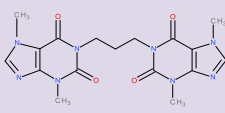


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503083	IFBD019100	GABAPENTIN : IMIDE IMPURITY (IH : IMP-F)		CAS No : 1130-32-1	
8503120	IGBD019100	GABAPENTIN : IMPURITY-G (IH : IMP-G) (STAGE-II)		CAS No : 4355-11-7	
8502658	I2BD019100	GABAPENTIN : SYSTEM SUITABILITY MIXTURE	NA		
8502554	I1BD019100	GABAPENTIN: POLYMORPHIC IMPURITY (GABAPENTIN FORM-III)			
8500081	IABD033900	PENTOXIFYLLINE : IMPURITY-A (IH : IMP-A,BP/Ph.Eur.: IMP-D)		CAS No : 59413-14-8	
8500145	IBBD033900	PENTOXIFYLLINE : IMPURITY-B (IH : IMP-B,BP/Ph.Eur.: IMP-K)		CAS No : 74857-22-0	



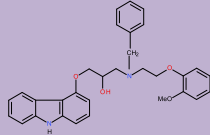
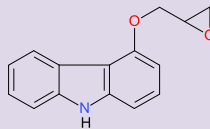
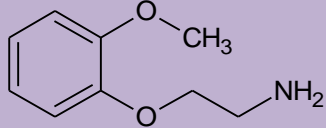
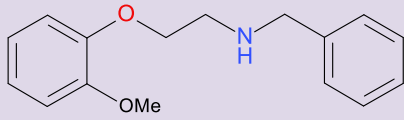
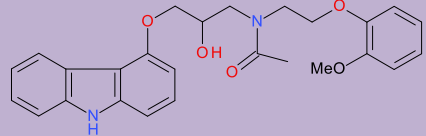
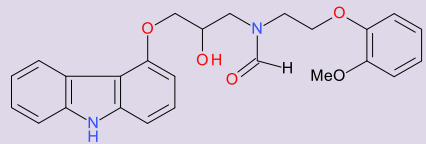
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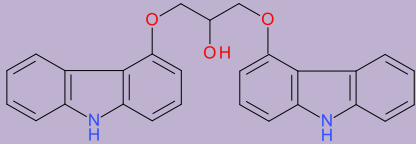
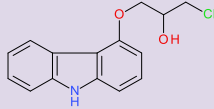
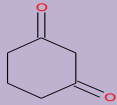
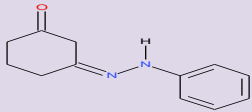
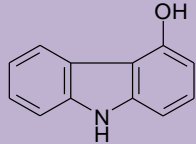
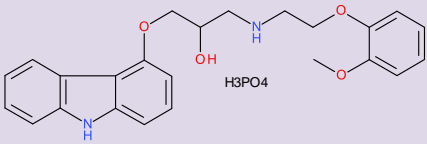
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500263	IDBD033900	PENTOXIFYLLINE : IMPURITY-D (IH : IMP-D)			
8500299	IEBD033900	PENTOXIFYLLINE : XANTHINE IMPURITY(IH : IMP-E ,BP/Ph.Eur.: IMP-B)		CAS No : 69-89-6	
8500351	IGBD033900	PENTOXIFYLLINE : THEOPHYLLINE IMPURITY (IH : IMP-G , BP/Ph.Eur.:IMP-C)		CAS No : 58-55-9	Diprophylline Imp. B (EP), Dimenhydrinate Imp-A (EP), Caffeine Imp-A (EP),
8500368	IHBD033900	PENTOXIFYLLINE : THEOBROMINE IMPURITY (IH : IMP-H , BP/PH.EUR.: IMP-A)		CAS No : 83-67-0	Caffeine Imp. D (EP), Ethylenediamine Imp. G (EP)
8502783	IABD007300	CARVEDILOL : IMPURITY-A (IH/USP/Ph. Eur. : IMPURITY-A)		Cas No : 1198090-73-1	
8500922	IBBD007300	CARVEDILOL : IMPURITY-B (IH/USP/Ph. Eur. : IMPURITY-B)		CAS No : 918903-20-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500172	ICBD007300	CARVEDILOL : IMPURITY-C (IH/USP/Ph. Eur. : IMPURITY-C)		CAS No : 72955-94-3	
8500235	IDBD007300	CARVEDILOL : STAGE-V (CVL-V) (IH/USP : IMPURITY-D)		CAS No : 51997-51-4.	
8507524	IEBD007300	CARVEDILOL : IMPURITY-E (IH/USP : IMPURITY-E)		CAS No : 1836- 62-0	
8500313	IFBD007300	CARVEDILOL : CVL-IIA (IH : IMPURITY-F)		CAS No : [3246- 03-5]	
8500338	IGBD007300	CARVEDILOL : N-ACETYL CARVEDILOL (IH : IMPURITY-G)			
8500357	IHBD007300	CARVEDILOL : N-FORMYL CARVEDILOL (IH : IMPURITY-H)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502543	I1BD007300	CARVEDILOL BISCARBAZOLE IMPURITY (USP : BISCARBAZOLE)		CAS No : 1276477-91-8	
8502611	I1RI00081A	CARVEDILOL STAGE-V : IMPURITY-1		CAS. No. 72955-96-5	
8502588	I1RA21412	1,2,3,4-TETRAHYDRO-4-OXO-CARBAZOLE : 1,3-CYCLOHEXANE DIONE IMPURITY		CAS Number 504-02-9	
8502672	I2RA21412	MONOPHENYLHYDRAZONE DERIVATIVE OF 1,3-CYCLOHEXANEDIONE IMPURITY		CAS No.: 27385-45-1	
8505905	RSRA21434	4-HYDROXY 9H-CARBAZOLE (REFERENCE STANDARD)		CAS Number: 52602-39-8	
8502337	RSBD048100	CARVEDILOL PHOSPHATE HYDRATE (REFERENCE STANDARD)			



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506176	8506176	CARVEDILOL FOR SYSTEM SUITABILITY CRS	NA		
8500069	IABD027900	METOPROLOL : IMPURITY-A (IH/USP/Ph. Eur. : IMPURITY-A)		CAS No : 109632-08-8	
8500134	IBBD027900	METOPROLOL : 4-MEP IMPURITY (IH/Ph. Eur. : IMPURITY-B)		CAS No : [56718-71-9]	
8502224	ICBD027900	METOPROLOL : IMPURITY-C [IH/Ph.Eur.: IMPURITY-C , USP : RELATED COMPOUND-C] [FREE BASE]		CAS No : 29122-74-5	
8500254	IDBD027900	METOPROLOL : DIOL IMPURITY (IH/Ph. Eur. : IMPURITY-D)		CAS No : [62572-90-1]	
8500392	IQBD027900	METOPROLOL : DIMER IMPURITY (IH : IMPURITY-Q)		CAS No : [230975-30-1]	

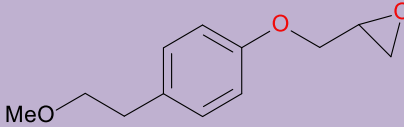
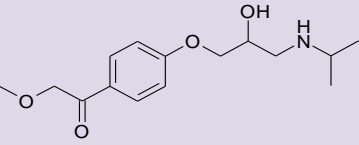
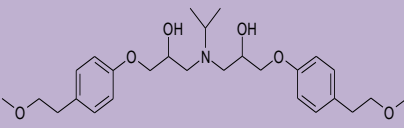
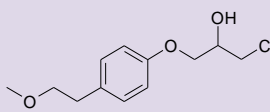
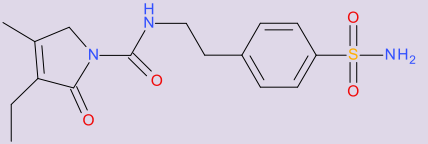


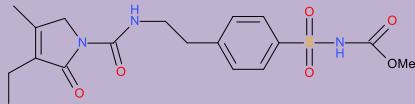
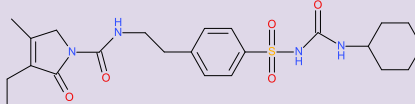
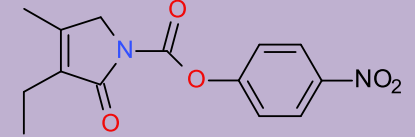
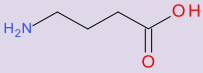
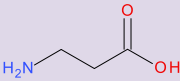
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500391	IPBD027900	METOPROLOL : EPOXIDE IMPURITY (IH : IMPURITY-P)		CAS No : 56718-70-8	
8500393	ITBD027900	METOPROLOL : IMPURITY-T (IH : IMPURITY-T)		CAS No : 73723-85-0	
8502225	IOBD027900	METOPROLOL : IMPURITY-O ( IH /Ph. Eur. : IMPURITY-O,USP : RELATED COMPOUND-D] [FREE BASE]		CAS No : 1486464-40-7	
8502223	I1BD027900	METOPROLOL : CHLORO IMPURITY ( USP : RELATED COMPOUND-B )		CAS No : 56718-76-4	
8502561	I1BD0279PA	METOPROLOL TARTRATE Ph. Eur. : SYSTEM SUITABILITY MIXTURE	NA		
8502863	IBBD020000	GLIMEPIRIDE IMPURITY-B (IH, USP , Ph. Eur. : IMP-B)		CAS No : 119018-29-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502932	ICBD020000	GLIMEPIRIDE IMPURITY-C (IH, USP , Ph. Eur. : IMP-C)		CAS No : 119018-30-3	
8503045	IEBD020000	GLIMEPIRIDE IMPURITY-E (IH:IMP-E)			
8503121	IGBD020000	GLIMEPIRIDE IMPURITY-G (IH:IMP-G)			
8500037	IABD001200	ALENDRONATE SODIUM : g-AMINO BUTYRIC ACID (IH/BP/Ph. Eur. : IMPURITY-A)		CAS No : 56-12-2	
8502541	IIBD001200	ALENDRONATE SODIUM: SYSTEM SUITABILITY MIXTURE	NA		
8500079	IABD033300	DISODIUM PAMIDRONATE : BETA-ALANINE IMPURITY (IH/USP/BP/Ph.Eur. : IMPURITY-A)		CAS Number 107-95-9	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500041	IABD008200	CETIRIZINE DIHYDROCHLORIDE : PIPERAZINE IMPURITY (IH / BP/Ph. Eur.:IMP-A , USP:IMP-C)/ CPPMP/ CBHP		CAS No : 303-26-4	
8501285	IBBD008200	CETIRIZINE DIHYDROCHLORIDE : PIPERAZINE ACETIC ACID IMPURITY (IH / BP/Ph. Eur.:IMP-B , USP:IMP-G)		CAS No 113740-61-7	Hygroscopic
8500174	ICBD008200	CETIRIZINE DIHYDROCHLORIDE : 2-CHLORO ISOMER IMPURITY (IH / BP/Ph. Eur.:IMP-C , USP:IMP-D)/ 2-CHLORO CETIRIZINE		CAS No : 83881-56-5	Hygroscopic
8500236	IDBD008200	CETIRIZINE DIHYDROCHLORIDE : DIMER IMPURITY (IH / BP/Ph. Eur.:IMP-D , USP : IMP-K)		CAS No 346451-15-8	
8500281	IEBD008200	CETIRIZINE DIHYDROCHLORIDE : METHYL ESTER IMPURITY (IH,USP:IMP-E)		CAS No 83881-48-5	Hygroscopic
8501048	IFBD008200	CETIRIZINE DIHYDROCHLORIDE : DESCHLORO IMPURITY (IH / BP/Ph. Eur.:IMP-F , USP:IMP-A)/ DESCHLORO CETIRIZINE		CAS Number 83881-54-3	

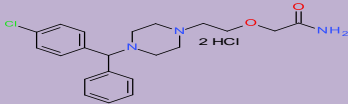
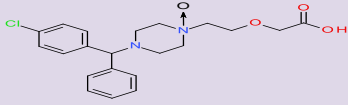
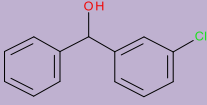
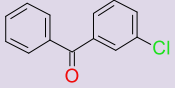
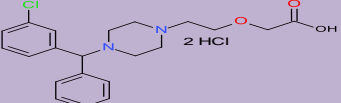
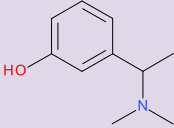


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8500339	IGBD008200	CETIRIZINE DIHYDROCHLORIDE : AMIDE DERIVATIVE IMPURITY (IH :IMP-G)		CAS No 83881-37-2	Hygroscopic
8500358	IHBD008200	CETIRIZINE DIHYDROCHLORIDE : N-OXIDE IMPURITY (IH ,USP:IMP-H)		CAS No 1076199-80-8	Hygroscopic
8500372	IIBD008200	CETIRIZINE DIHYDROCHLORIDE : 4-CHLOROBENZHYDROL IMPURITY (IH ,USP:IMP-I)		<u>CAS No : 119-56-2</u>	
8500378	IJBD008200	CETIRIZINE DIHYDROCHLORIDE : 4-CHLOROBENZOPHENONE IMPURITY (IH ,USP:IMP-J)		<u>CAS No : 134-85-0</u>	
8500384	IKBD008200	CETIRIZINE DIHYDROCHLORIDE : 3-CHLORO ISOMER IMPURITY (IH:IMP-K/ USP:IMP-F)		CAS No 1232460-29-5	
8500419	IABD037500	RIVASTIGMINE TARTRATE PHENOL IMPURITY (IH:IMP-A)		CAS - 105601-04-5	



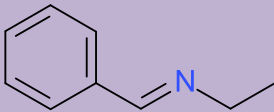
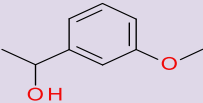
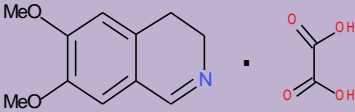
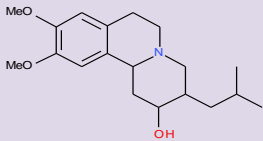
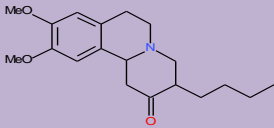
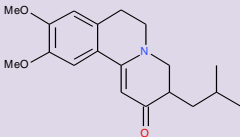
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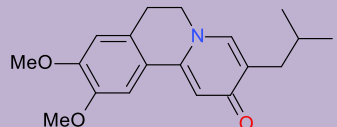
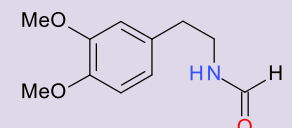
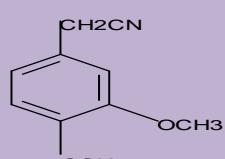
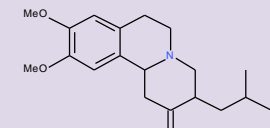
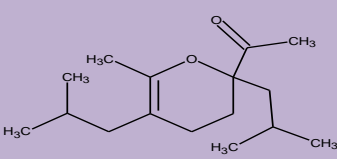
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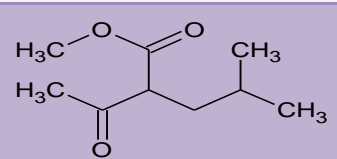
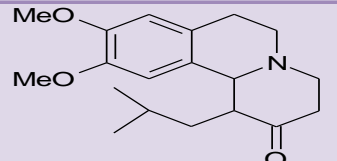
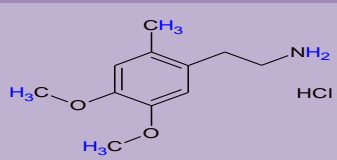
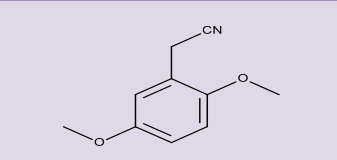
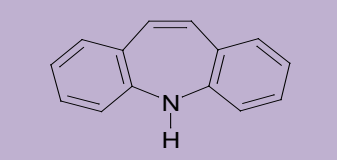
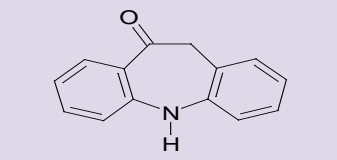
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500431	IBBD037500	RIVASTIGMINE TARTRATE CARBAMATE IMPURITY (IH:IMP-B)		CAS Number :90870-20-5	
8500213	ICBD037500	RIVASTIGMINE TARTRATE DPTTA IMPURITY (IH:IMP-C , USP: REL.COMP-A)		CAS Number 71607-31-3	
8500451	IDBD037500	RIVASTIGMINE TARTRATE ETHER IMPURITY (IH:IMP-D)			
8500303	IEBD037500	RIVASTIGMINE TARTRATE NOR IMPURITY (IH:IMP-E , USP : REL.COMP-B)		CAS No : 25081-93-0	
8500463	IFBD037500	RIVASTIGMINE TARTRATE R-ISOMER IMPURITY (IH:IMP-F , USP:R-ISOMER)		CAS No : 105601-20-5	
8501628	RSRI00468A	RIVASTIGMINE TARTRATE STAGE-II (REFERENCE STANDARD)		CAS No : 169772-44-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501630	RSRI00470A	RIVASTIGMINE TARTRATE STAGE-IVA (REFERENCE STANDARD)		CAS No : 6852-54-6	
8501627	RSRI00467A	RIVASTIGMINE TARTRATE STAGE-I (REFERENCE STANDARD)		CAS No : 23308-82-9	
8500420	IABD040900	TETRABENAZINE : ISOQUINOLINE IMPURITY (IH : IMPURITY-A)			
8500432	IBBD040900	TETRABENAZINE : REDUCED PRODUCT / ALCOHOL IMPURITY / HYDROXY IMPURITY (IH : IMPURITY-B)		CAS No : 3466-75-9	
8500216	ICBD040900	TETRABENAZINE : n-BUTYL DERIVATIVE (IH : IMPURITY-C, USP-RELATED COMPOUND-C)		CAS No.: 86457-13-8	
8500452	IDBD040900	TETRABENAZINE : OLEFINE IMPURITY (IH : IMPURITY-D)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503055	IEBD0409O0	TETRABENAZINE : DE-TETRAHYDRO IMPURITY (IH :IMPURITY-E)		CAS No : 446-31-1	
8503325	I1RI01279A	TETRABENAZINE STAGE-V IMPURITY - N-FORMYL HOMOVERATRYL AMINE		CAS No : 14301-36-1	
8502568	I1BD0409O0	TETRABENAZINE (NITRILE IMPURITY)		CAS No : 93-17-4	
8502331	RSBD040900	TETRABENAZINE (REFERENCE STANDARD)		CAS No: 58-46-8	
8508256	8508256	TETRABENAZINE : STAGE-III DIMER IMPURITY			
8508450	I1RI00520A	TETRABENAZINE : DECARBOXYLATED STAGE-II IMPURITY		CAS No : 110-12-3	

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8508248	8508248	TETRABENAZINE-STAGE-III~1.8 RRT IMPURITY ( TETRABENAZINE - STAGE-II )		CAS No : 51756-09-3	
8508130	8508130	TETRABENAZINE IMPURITY AT RRT ~ 1.45			
8508168	8508168	2-Methyl-4,5-dimethoxy phenyl ethyl amine		CAS No : 55752-05-1	
8508166	8508166	2,5-Dimethoxy phenyl acetonitrile		CAS No : 18086-24-3	
8500078	IABD032500	OXCARBAZEPINE : IMINOSTILBINE IMPURITY (IH : IMP-A, Ph.Eur. : IMP-E, USP : CARBAMAZEPINE RELATED COMPOUND-B)		CAS No : 256- 96-2	
8500142	IBBD032500	OXCARBAZEPINE : OXIMINOSTILBINE IMPURITY (IH : IMP-B, Ph.Eur. : IMP-C, USP : DIBENAZEPINONE/ RELATED COMPOUND-E)		CAS No : 21737-58-6	



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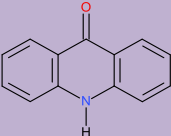
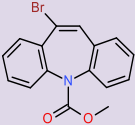
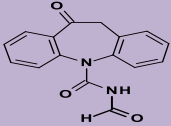
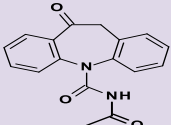
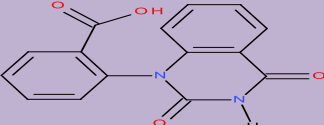
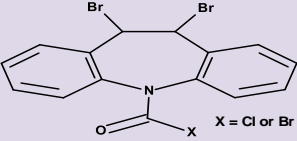
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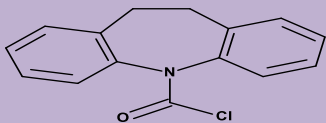
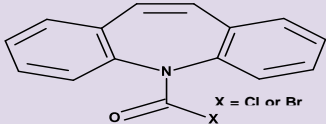
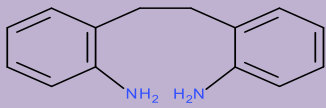

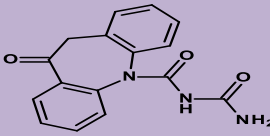
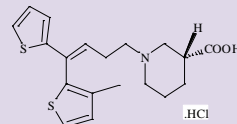
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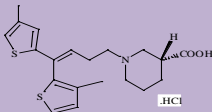
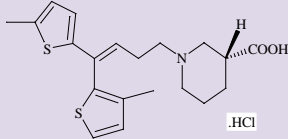
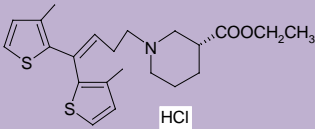
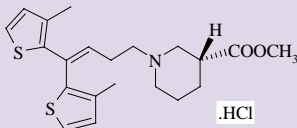
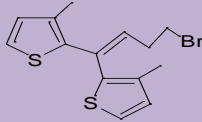
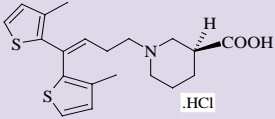
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8500204	ICBD032500	OXCARBAZEPINE : CARBAMAZEPINE IMPURITY (IH : IMP-C, Ph.Eur. : IMP-A, USP : CARBAMAZEPINE)		CAS No : 298-46-4	
8500262	IDBD032500	OXCARBAZEPINE : 10-METHOXY IMINOSTILBINE IMPURITY (IH : IMP-D, Ph.Eur. : IMP-H, USP : METHOXY DIBENZAZEPINE)		CAS No: 4698-11-7	
8500297	IEBD032500	OXCARBAZEPINE : 10-METHOXY-CARBAMAZEPINE IMPURITY (IH : IMP-E, Ph.Eur. : IMP-B, USP : METHOXY CARBAMAZEPINE)		CAS No : 28721-09-7	
8500330	IFBD032500	OXCARBAZEPINE :10-HYDROXY-CARBAMAZEPINE IMPURITY (IH : IMP-F)		CAS No : 29331-92-8	
8500350	IGBD032500	OXCARBAZEPINE: DIKETO CARBAMAZEPINE (IH: IMPURITY-G, USP: RELATED COMPOUND-F, Ph.Eur. : IMP-I)		CAS No : 537693-29-1	
8500367	IHBD032500	OXCARBAZEPINE: DIKETO IMINOSTILBENE (IH: IMPURITY-H, USP: DIBENZAZEPINODIONE, Ph.Eur. : IMP-D)		CAS No : 19579-83-0	

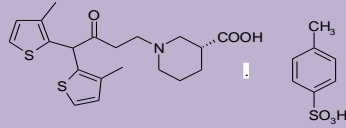
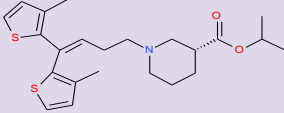
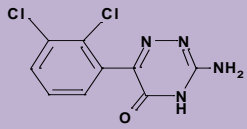
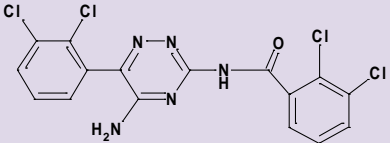
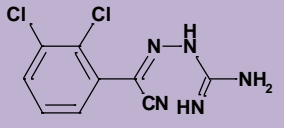
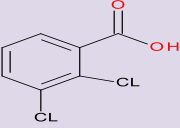
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501754	IIBD032500	OXCARBAZEPINE: ACRIDIN-9(10H)-ONE (IH: IMPURITY-I, USP: RELATED COMPOUND-C)		CAS No : 578-95-0	
8501637	I1BD032500	OXCARBAZEPINE : OXCARBAZEPINE STAGE-II IMPURITY			
8506558	IKBD032500	OXCARBAZEPINE : N-FORMYL IMPURITY (IH : IMP-K, Ph.Eur. : IMP-K, USP : OXCARBAZEPINE RELATED COMPOUND A)		CAS No : 1346601-76-0	
8506557	ILBD032500	OXCARBAZEPINE : N-ACETYL IMPURITY (IH : IMP-L, Ph.Eur. : IMP-L, USP : OXCARBAZEPINE RELATED COMPOUND B)			
8506216	8506216	OXCARBAZEPINE : ACID, DEHYDRATED IMPURITY (IH : IMP-M)		CAS Number 537693-30-4	
8506017	8506017	OXCARBAZEPINE: DIBROMO IMINOSTILBENE CARBONYL CHLORIDE/BROMIDE IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8507195	8507195	OXCARBAZEPINE: IMINODIBENZYL CARBONYL CHLORIDE IMPURITY		CAS No : 3948-19-5	
8506019	8506019	OXCARBAZEPINE: IMINOSTILBENE CARBONYL CHLORIDE/BROMIDE IMPURITY			
8501759	I2RA20060	IMINODIBENZYL IMP-2		CAS No : 34124-14-6	
8507227	8507227	10-BROMO-IDBCC			
8500860	IJBD032500	OXCARBAZEPINE : N-CARBAMOYL IMPURITY (IH : IMP-J, USP : N-CARBAMOYL OXCARBAZEPINE)		CAS No : 2642430-30-4	
8502809	IABD042300	TIAGABINE HYDROCHLORIDE : DESMETHYL IMPURITY (IH : IMPURITY-A, USP : AT RRT 0.93)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502878	IBBD042300	TIAGABINE HYDROCHLORIDE : 3,4-DIMETHYL IMPURITY (IH : IMPURITY-B, USP : AT RRT 1.13)			
8502945	ICBD042300	TIAGABINE HYDROCHLORIDE : 3,5-DIMETHYL IMPURITY (IH : IMPURITY-C, USP : AT RRT 1.13)			
8503005	IDBD042300	TIAGABINE HYDROCHLORIDE : ETHYLESTER IMPURITY (IH : IMPURITY-D, USP : RELATED COMPOUND A)		CAS No : 145821-60-9	
8503056	IEBD042300	TIAGABINE HYDROCHLORIDE : METHYLESTER IMPURITY (IH : IMPURITY-E, USP : AT RRT 1.32)		CAS No : 938158-99-7	
8503091	IFBD042300	TIAGABINE HYDROCHLORIDE : STAGE-I (IH : IMPURITY-F)			
8503129	IGBD042300	RACEMIC TIAGABINE HYDROCHLORIDE :(IH : IMPURITY-G)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503156	IHBD042300	TIAGABINE HYDROCHLORIDE: KETO IMPURITY (IH : IMPURITY-H , USP: AT RRT 0.79)			
8503184	IIBD042300	TIAGABINE HYDROCHLORIDE : ISOPROYL ESTER IMPURITY (IH : IMPURITY-I)			
8500417	IABD023500	LAMOTRIGINE : IMPURITY-A (IH/BP/Ph.Eur. : IMP-A, USP : RELATED COMPOUND-C)		CAS No : 252186-78-0	
8500429	IBBD023500	LAMOTRIGINE : IMPURITY-B (IH : IMP-B, BP/Ph.Eur. : IMP-F, USP : RELATED COMPOUND-D)		CAS No : [252186-79-1]	
8500441	ICBD023500	LAMOTRIGINE : IMPURITY-C (IH : IMP-C, Ph.Eur. : IMP-B)		CAS No : 94213-24-8	
8501845	IDBD023500	LAMOTRIGINE IMPURITY-D [IH : IMPURITY-D, USP : RELATED COMPOUND-B,EP : IMP-E]		CAS No : 50-45-3	

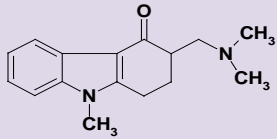
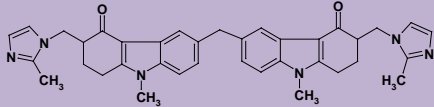
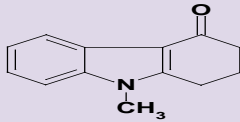


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8505399	I1BD023500	LAMOTRIGINE FOR SYSTEM SUITABILITY CRS	NA		
8505400	I2BD023500	LAMOTRIGINE IMPURITY STANDARD	NA		
8505401	I3BD023500	LAMOTRIGINE FOR PEAK IDENTIFICATION CRS	NA		
8500076	IABD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-A (IH /BP/Ph. Eur. : IMPURITY-A, USP : RELATED COMPOUND-A)		CAS No : 119812-29-2	
8500141	IBBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-B (IH /BP/Ph. Eur. : IMPURITY-B, USP : RELATED COMPOUND-B)		CAS No : 1076198-52-1	
8500203	ICBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-C (IH /BP/Ph. Eur. : IMPURITY-C, USP : RELATED COMPOUND-C)		CAS No : 27397-31-1	



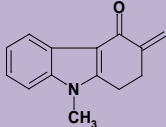
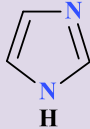
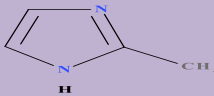
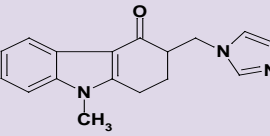
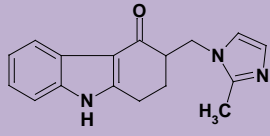
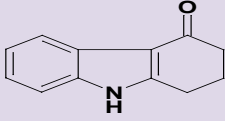


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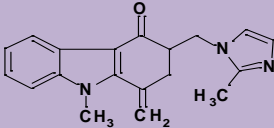
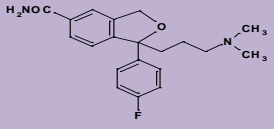
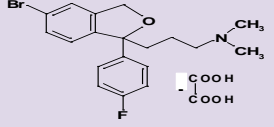
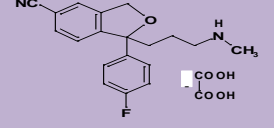
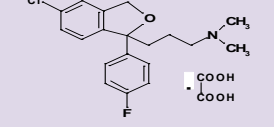
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8500261	IDBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-D (IH /BP/Ph. Eur. : IMPURITY-D, USP : RELATED COMPOUND-D)		CAS No : 99614-64-9	
8500296	IEBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-E (IH /BP/Ph. Eur. : IMPURITY-E , USP-IMIDAZOLE]		CAS No : 288- 32-4	
8500328	IFBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-F [IH /BP/PH. EUR. : IMPURITY-F , USP - 2-METHYLIMIDAZOLE]		CAS No : 693- 98-1	
8500349	IGBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-G (IH /BP/Ph. Eur. : IMPURITY-G)		CAS No : 99614-03-6	
8500366	IHBD031800	ONDANSETRON HYDROCHLORIDE IMPURITY-H (IH /BP/Ph. Eur. : IMPURITY-H)		CAS No : 99614-14-9	
8500375	IIBD031800	ONDANSETRON HYDROCHLORIDE : CARBAZOLE IMPURITY / THOC IMPURITY (IH : IMPURITY-I)		CAS No : 15128-52-6	

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8501337	I1BD031800	ONDANSETRON HYDROCHLORIDE :HOMO IMPURITY (IH : IMPURITY-J)			
8504521	I2BD031800	ONDANSETRON RESOLUTION MIXTURE	NA		
8502787	IABD009400	CITALOPRAM HYDROBROMIDE : AMIDE IMPURITY (IH-IMP-A,USP-RELATED COMPOUND-A,EP-IMP-A)		CAS Number: 64372-56-1	
8502852	IBBD009400	CITALOPRAM HYDROBROMIDE : IMPURITY-B (IH-IMP-B,USP-RELATED COMPOUND-H,EP-IMP-F)/STAGE-I AND II		CAS Number: 479065-02-6	
8500175	ICBD009400	CITALOPRAM HYDROBROMIDE : N-DESMETHYL IMPURITY (IH-IMP-C,USP-REL COMP-D,EP-IMP-D)		CAS Number: 1188264-72-3	
8502981	IDBD009400	CITALOPRAM HYDROBROMIDE : CHLORO IMPURITY (IH-IMP-D,USP-RELATED COMPOUND-G,EP-IMP-E)		CAS No.: 1332724-08-9	



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8503036	IEBD009400	CITALOPRAM HYDROBROMIDE : DESFLUORO IMPURITY (IH : IMP-E)			
8500314	IFBD009400	CITALOPRAM HYDROBROMIDE : 3-OXO IMPURITY/USP-RELATED COMPOUND-C,EP-IMP-C		CAS No 372941-54-3	
8503113	IGBD009400	CITALOPRAM HYDROBROMIDE : N-OXIDE IMPURITY (IH) USP : RELATED COMPOUND-E		CAS No : 2498-71-9	Hygroscopic
8500470	IHBD009400	CITALOPRAM HYDROBROMIDE : IMPURITY-H (IH : IMP-H)			
8503195	IJBD009400	CITALOPRAM HYDROBROMIDE : 3-HYDROXY IMPURITY (IH-IMP-J,USP-RELATED COMPOUND-B,EP-IMP-B)		CAS Number 1332724-03-4	
8501205	I1BD00940Y	CITALOPRAM HBr STAGE-I / USP IMP (4-(4-DIMETHYL AMINO-1-(4-FLUORO PHENYL)-1-HYDROXY-1-BUTYL)-3-HYDROXY METHYL BENZONITRILE)			

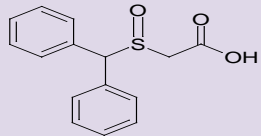
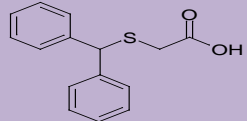
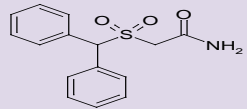
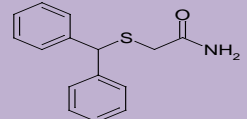
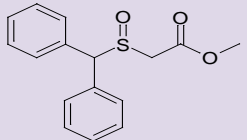


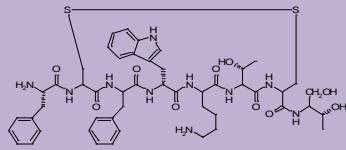
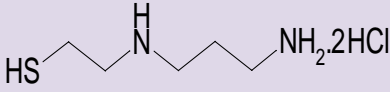
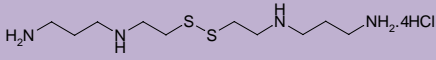
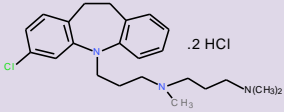
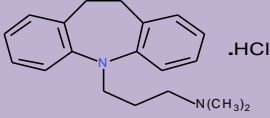
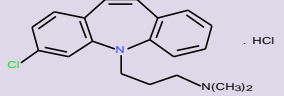
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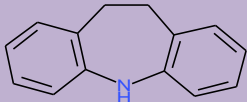
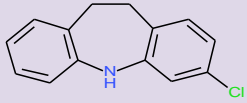
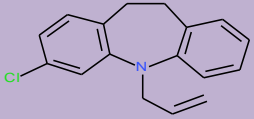
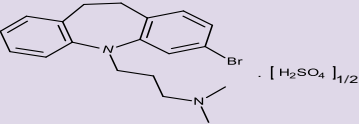
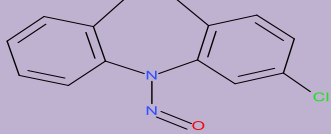
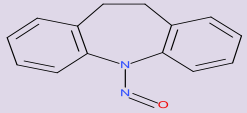
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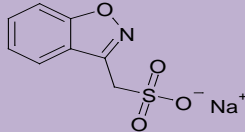
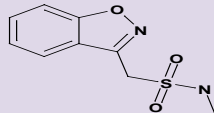
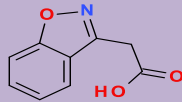
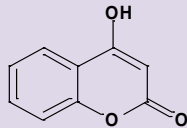
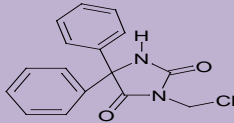
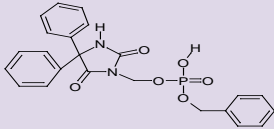
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8501546	IABD028800	MODAFINIL IMPURITY-A (IH/BP/PH.EUR : IMP-A ,USP-RELATED COMPUOND-A)		CAS No : 63547-24-0	
8502870	IBBD028800	MODAFINIL IMPURITY-B (IH : IMP-B)		CAS No : 63547-22-8	
8501545	ICBD028800	MODAFINIL : IMPURITY-C (IH : IMP-C , BP : IMP-B, USP-USP: RELATED COMPUOND-B)		CAS No : 118779-53-6	
8503049	IEBD028800	MODAFINIL IMPURITY E (IH : IMP-E, USP: RELATED COMPUOND-C)		CAS No : 68524-30-1	
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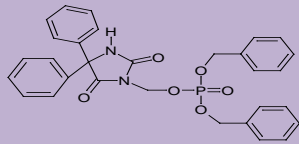
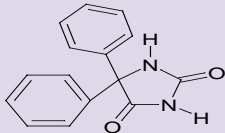
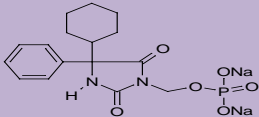
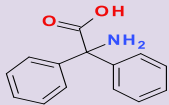
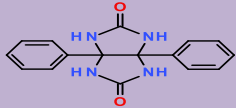
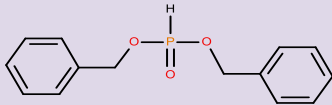
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8500744	GRSBD0312 O	OCTREOTIDE ACETATE (GLOBAL REFERENCE STANDARD)		CAS No : 83150-76-9	
8500168	ICBD001900	AMIFOSTINE IMPURITY-C (IH) / USP : AMIFOSTINE THIOL IMPURITY		CAS No : [14653-77-1]	
8500278	IEBD001900	AMIFOSTINE IMPURITY-E (IH) / USP : AMIFOSTINE DISULFIDE IMPURITY		CAS No : [112901-68-5]	
8500042	IABD009800	CLOMIPRAMINE HYDROCHLORIDE: IMPURITY- A [IH/BP/Ph.Eur.: IMP-A, USP-REL.COMP-A]		CAS No : 2305824-51-3	
8500111	IBBD009800	CLOMIPRAMINE HYDROCHLORIDE: IMPURAMINE HYDROCHLORIDE IMPURITY (IH/BP/Ph.Eur.: IMP-B)		CAS No: 113- 52-0	
8500176	ICBD009800	CLOMIPRAMINE HYDROCHLORIDE: IMPURITY- C [IH/BP/Ph.Eur.: IMP-C,USP-REL.COMP-C]		. HCl	

**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
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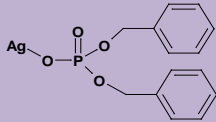
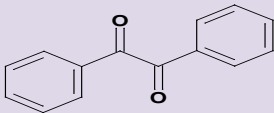
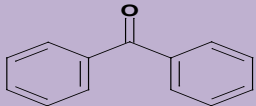
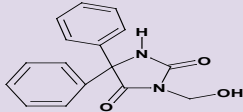
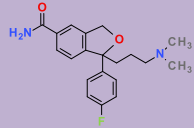
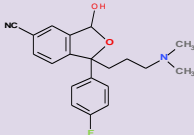
Last update On Aug 2021

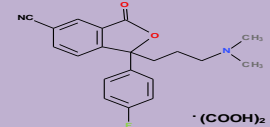
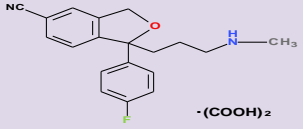
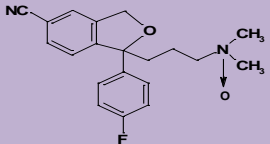
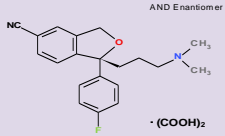
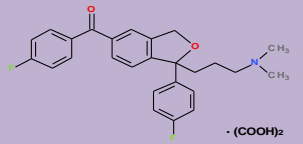
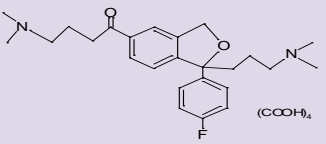
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8500282	IEBD009800	CLOMIPRAMINE HYDROCHLORIDE: IMPURITY-E (IH/BP/Ph.Eur.: IMP-E)		CAS No: 494-19-9	
8500315	IFBD009800	CLOMIPRAMINE HYDROCHLORIDE: IMPURITY-F [IH/BP/Ph.Eur.: IMP-F, USP-REL.COMP-F]		CAS No.: 32943-25-2	
8500340	IGBD009800	CLOMIPRAMINE HYDROCHLORIDE: IMPURITY-G (IH/BP/Ph.Eur.: IMP-G)		CAS No 1425793-87-8	
8505543	8505543	CLOMIPRAMINE HYDROCHLORIDE: IMPURITY - H		[H <sub>2</sub> SO <sub>4</sub> ] <sub>1/2</sub>	
8505004	IIRI00104A	2-CHLORO-11-NITROSO-5,6-DIHYDROBENZO[B][1]BENZAZEPINE		CAS No : 78213-40-8	
8505006	I3RA20060	11-NITROSO-5,6-DIHYDROBENZO[B][1]BENZAZEPINE		CAS No : 7458-08-4	

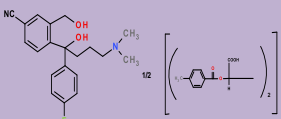
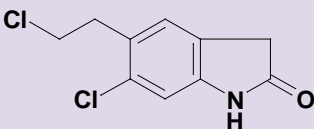
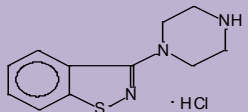
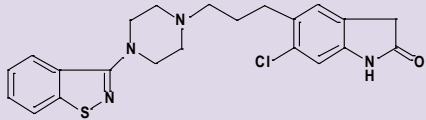
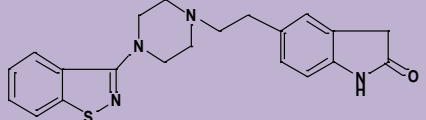
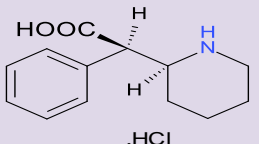
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8500422	IABD046400	ZONISAMIDE : IMPURITY-A (IH:IMP-A, USP:RELATED COMPOUND A)		CAS Number: 73101-64-1	
8502881	IBBD046400	ZONISAMIDE : METHYL ZONISAMIDE (IH:IMP-B, USP:METHYL ZONISAMIDE)		CAS Number: 68292-02-4	
8502537	IIABD04640	ZONISAMIDE : IMPURITY-1A (IH:IMP-1A)		CAS Number: 4865-84-3	
8502539	IIBBD04640	ZONISAMIDE : IMPURITY-1B (IH:IMP-1B)		CAS Number 1076-38-6	
8501176	IABD019000	FOSPHENYTOIN SODIUM : IMPURITY-A (IH : IMP-A) (STAGE-II)		CAS No 93360-07-7	
8502862	IBBD019000	FOSPHENYTOIN SODIUM : MONOBENZYL ESTER IMPURITY (IH : IMP-B)			

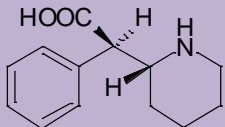
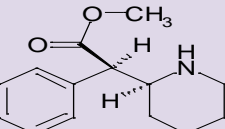
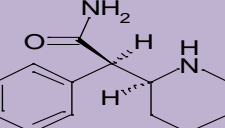
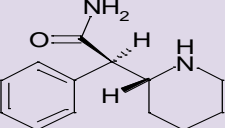
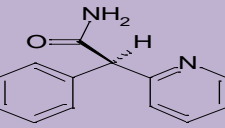
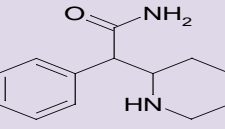
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8502930	ICBD019000	FOSPHENYTOIN SODIUM : DIBENZYL ESTER IMPURITY (IH : IMP-C)		CAS No : 93360-08-8	
8502989	IDBD019000	FOSPHENYTOIN SODIUM : PHENYTOIN IMPURITY (IH : IMP-D)		CAS No : 57-41-0	
8503043	IEBD019000	FOSPHENYTOIN SODIUM : CYCLOHEXYL IMPURITY (IH : IMP-E)			
8501640	IFBD019000	FOSPHENYTOIN SODIUM : DIPHENYL GLYCINE IMPURITY (IH : IMP-F, USP : PHENYTOIN REL. COMP-A, BP/PH. EUR.: IMP-C)		CAS No : 3060-50-2	
8504683	I4BD019000	FOSPHENYTOIN SODIUM : DIPHENYL GLYCOLURIL IMPURITY [BP/PH EUR.: PHENYTOIN IMP-D]		CAS. No: 5157-15-3	
8505596	8505596	FOSPHENYTOIN SODIUM : DIBENZYL PHOSPHITE		CAS No 17176-77-1	

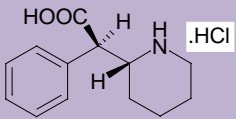
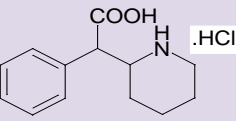
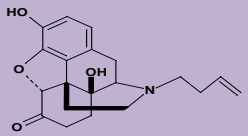
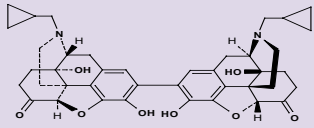
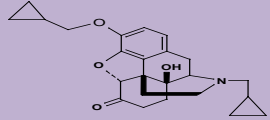
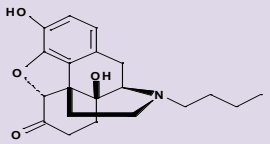


SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502375	RSRA21009	SILVER DIBENZYL PHOSPHATE (REFERENE STANDARD)		CAS. No: 50651-75-7	
8502691	I2RI00228A	FOSPHENYTOIN SODIUM STAGE-II : BENZIL IMPURITY		CAS No : 134-81-6	
8502616	I1RI00228A	FOSPHENYTOIN SODIUM STAGE-II : BENZOPHENONE IMPURITY		CAS No : 119-61-9	
8502440	RSRI00227A	FOSPHENYTOIN SODIUM STAGE-I (REFERENCE STANDARD)		CAS. No. 21616-46-6	
8500050	IABD015500	ESCITALOPRAM OXALATE:AMIDE IMPURITY(IH) (USP : CITALOPRAM RELATED COMPOUND.-A)		CAS Number: 64372-56-1	
8500118	IBBD015500	ESCITALOPRAM OXALATE:3-HYDROXY IMPURITY(IH) (USP : CITALOPRAM RELATED COMPOUND.-B)		CAS Number 1332724-03-4	AVAILABLE IN CITALOPRAM

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500183	ICBD015500	ESCITALOPRAM OXALATE :3-OXO IMPURITY(IH) (USP : CITALOPRAM RELATED COMPOUND.-C)		CAS No 372941-54-3	
8500242	IDBD015500	ESCITALOPRAM OXALATE:N-DESMETHYL IMPURITY(IH) (USP : CITALOPRAM RELATED COMPOUND-D)		CAS Number: 1188264-72-3	
8500283	IEBD015500	ESCITALOPRAM OXALATE : N-OXIDE IMPURITY(IH) (USP: CITALOPRAM RELATED COMPOUND-E)		CAS No : 2498-71-9	Hygroscopic
8503080	IFBD015500	ESCITALOPRAM OXALATE:IMPURITY-F (IH/USP:R-CITALOPRAM)			
8500359	IHBD015500	ESCITALOPRAM OXALATE:KETONE-I IMPURITY(IH : IMPURITY-H)			
8500373	IIBD015500	ESCITALOPRAM OXALATE:KETONE-II IMPURITY (IH-IMP-I,USP:5-DIMETHYLAMINO BUTYRYL CITALOPRAM,EP-IMP-G)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506698	8506698	ESCITALOPRAM OXALATE STAGE-II [REFERNCE STANDARD]			
8502811	IABD046000	ZIPRASIDONE HYDROCHLORIDE : IMPURITY-A (IH : IMP-A)			
8502880	IBBD046000	ZIPRASIDONE HYDROCHLORIDE : IMPURITY-B (IH : IMP-B, USP : RELATED COMPOUND-A)		CAS No : 87691-88-1	
8502946	ICBD046000	ZIPRASIDONE HYDROCHLORIDE : IMPURITY-C (IH : IMP-C)			
8503006	IDBD046000	ZIPRASIDONE HYDROCHLORIDE :IMPURITY-D (IH : IMP -D)			
8500418	IABD027600	METHYLPHENIDATE HYDROCHLORIDE: ERYTHRO ACID IMPURITY (IH:IMP-A)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500430	IBBD027600	METHYLPHENIDATE HYDROCHLORIDE: THREO ACID IMPURITY (IH: IMP-B, USP: RELATED COMPOUND-A, BP/Ph.Eur.: IMP-A)		CAS No : 19395-40-5	
8500443	ICBD027600	METHYLPHENIDATE HYDROCHLORIDE: ERYTHRO ESTER IMPURITY (IH: IMP-C, USP: ERYTHRO ISOMER, BP/Ph.Eur.: IMP-B)			Controlled [ NDC-00216980580]
8500450	IDBD027600	METHYLPHENIDATE HYDROCHLORIDE: ERYTHRO AMIDE IMPURITY (IH/ Ph.Eur.: IMP-D)		CAS No : 50288-63-6	
8500458	IEBD027600	METHYLPHENIDATE HCl: THREO AMIDE IMPURITY (IH: IMP-E, Ph.Eur.: IMP-C) / DEXMETHYLPHENIDATE HCl STAGE-I		CAS No : 50288-62-5	
8500462	IFBD027600	METHYLPHENIDATE HYDROCHLORIDE: (2RS)-2-PHENYL-2-(PYRIDIN-2-YL) ACETAMIDE IMPURITY (IH/Ph.Eur.: IMP-F)		CAS No : 7251-52-7	
8502492	RSRI00903A	DEXMETHYLPHENIDATE HYDROCHLORIDE (RM-MTN-III) / METHYLPHENIDATE HYDROCHLORIDE STAGE-III (FREE BASE) (REF. STANDARD)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502438	RSRI00141A	DEXMETHYLPHENIDATE HYDROCHLORIDE STAGE-III (REFERENCE STANDARD)			
8502270	IIRI00141A	DEXMETHYLPHENIDATE HYDROCHLORIDE: STAGE-III RACEMIC MIXTURE IMPURITY			
8500073	IABD029500	NALTREXONE HYDROCHLORIDE : IMPURITY-A (IH : IMP-A, USP : RELETED COMPOUND-A, BP/Ph.Eur : IMP-C)		CAS No : 131670-05-8	
8500258	IDBD029500	NALTREXONE HYDROCHLORIDE : (IH/BP/Ph.Eur : IMPURITY-D, USP : 2,2-BISNALTREXONE)		CAS No : 607732-61-6	
8500293	IEBD029500	NALTREXONE HYDROCHLORIDE : IMPURITY-E (IH/Ph. Eur. : IMP-E)		CAS No : 767615-69-0	
8500365	IHBD029500	NALTREXONE HYDROCHLORIDE : IMPURITY-H (IH/USP/BP/Ph.Eur : IMP-H)		CAS No : 503090-99-1	

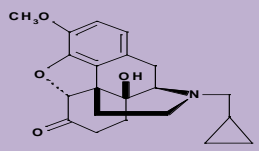
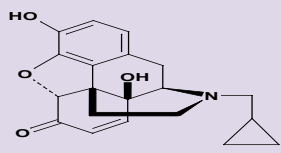
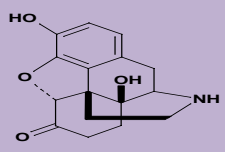
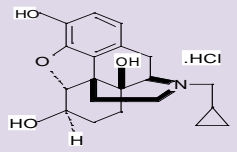
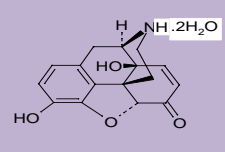
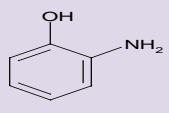


SUN PHARMACEUTICAL INDUSTRIES LIMITED TANDALJA ROAD, VADODARA,390020.INDIA

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500381	IJBD029500	NALTREXONE HYDROCHLORIDE : IMPURITY-J (IH/USP/BP/Ph.Eur : IMP-J)		CAS No. 16617-07-5	
8500011	I1BD029500	NALTREXONE HYDROCHLORIDE : DIDEHYDRO NALTREXONE IMPURITY		CAS No : 123086-68-0	
8500027	I2BD029500	NALTREXONE HYDROCHLORIDE : NOROXYMORPHONE IMPURITY (IH/USP : NOROXYMORPHONE, BP/Ph.Eur.:IMP-B)		CAS No : [33522-95-1]	Hygroscopic / Controlled [NDC : 00216140202] /CII
8501671	I3BD029500	NALTREXONE HYDROCHLORIDE : 6-BETA- HYDROXY IMPURITY			
8500022	I1RI00335B	NOROXYMORPHONE (PURE) : 7,8- DIDEHYDRONOROXYMORPHONE IMPURITY			
8500068	IABD027000	MESALAMINE : IMPURITY-A (IH : IMP-A, BP/Ph.Eur.: IMP-C,USP-2-AMINO PHENOL)		CAS No : 95-55-6	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500133	IBBD027000	MESALAMINE : IMPURITY-B (IH/BP/Ph.Eur.: IMP-B)		CAS No : 591-27-5	
8500196	ICBD027000	MESALAMINE : IMPURITY-C (IH : IMP-C, BP/PH.EUR.: IMP-A , USP-4-AMINO PHENOL)		CAS No : 123-30-8	
8500253	IDBD027000	MESALAMINE : IMPURITY-D (IH/BP/Ph.Eur.: IMP-D)		CAS No : 99-05-8	
8500290	IEBD027000	MESALAMINE : IMPURITY-E (IH : IMP-E , BP/PH.EUR.: IMP-F,USP : 3-AMINO SALICYLIC ACID)		CAS No : 570-23-0	
8500325	IFBD027000	MESALAMINE : IMPURITY-F (IH : IMP-F,BP/Ph.Eur.: IMP-E)		CAS No : 65-49-6	
8500346	IGBD027000	MESALAMINE : IMPURITY-G (IH/BP/Ph.Eur.: IMP-G)		CAS No : 490-79-9	

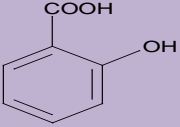
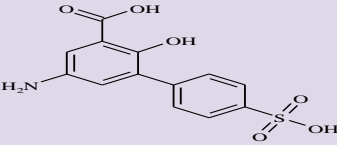
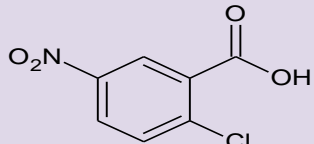
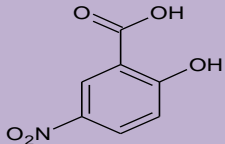
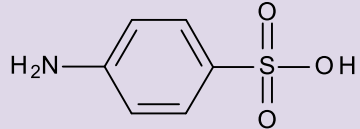


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8500364	IHBD027000	MESALAMINE : IMPURITY-H (IH/BP/Ph.Eur.: IMP-H)		CAS No : 69-72-7	
8504185	IPBD027000	MESALAMINE IMPURITY-P : BIPHENYL IMPURITY (IH:IMP.-P/EP.:IMP.-P)		CAS No : 887256-40-8	
8504647	I1BD027000	MESALAMINE SYSTEM SUITABILITY	NA		
8507990	8507990	MESALAMINE : IMPURITY-M (IH/BP/Ph.Eur.: IMP-M)		CAS No: 2516-96-3	
8508018	8508018	MESALAMINE : IMPURITY-N (IH/BP/Ph.Eur.: IMP-N)		CAS No 96-97-9	
8508021	8508021	MESALAMINE : IMPURITY-O (IH/BP/Ph.Eur.: IMP-O)		CAS No: 121-57-3	



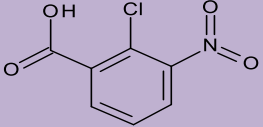
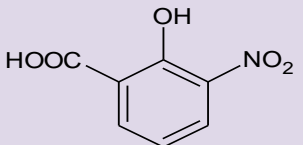
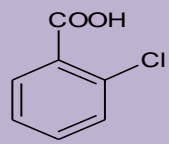
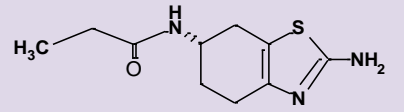
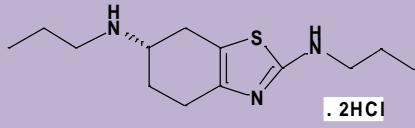
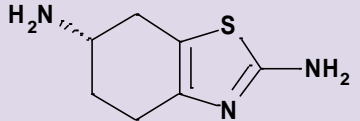


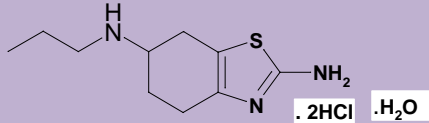
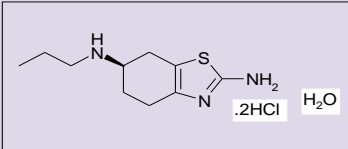
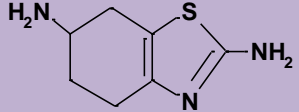
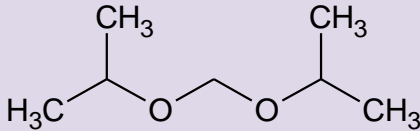
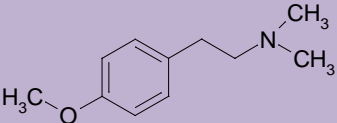
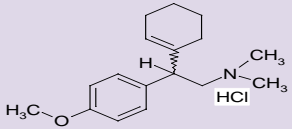
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8508020	8508020	MESALAMINE : IMPURITY-Q (IH/BP/Ph.Eur.: IMP-Q)		CAS No: 3970-35-2	
8508024	8508024	MESALAMINE : IMPURITY-R (IH/BP/Ph.Eur.: IMP-R)		CAS No: 85-38-1	
8508013	8508013	MESALAMINE : IMPURITY-L (IH/BP/Ph.Eur.: IMP-L)		CAS No: 118-91-2	
8500082	IABD034600	PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE : IMP-A (IH:IMP-A, Ph. Eur.:IMP-E, USP : PRAMIPEXOLE PROPIONAMIDE) / STAGE-VI		CAS No : 106006-84-2	
8500146	IBBD034600	PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE : DIAMINE IMPURITY (IH/PH. EUR. : IMP-B, USP : N-PROPYL PRAMI-PEXOLE)		CAS No : 1246815-83-7	
8500209	ICBD034600	PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE : IMPURITY C (IH:IMP-C , USP : RELATED COMPOUND A, Ph. Eur.: IMP-A) / SATGE-V		CAS No : 106092-09-5	

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8500264	IDBD034600	PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE : RACEMIC PRAMIPEXOLE (IH : IMPURITY-D)			
8504832	IEBD034600	PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE: PRAMIPEXOLE R-ISOMER (IH:IMP-E, PH. EUR.:IMP-D, USP : PRAMIPEXOLE REL. COMP-D)		CAS No : 104632-27-1	
8502584	IIRA21006	(RS)-2,6-DIAMINO-4,5,6,7-TETRAHYDRO BENZOTHAZOLE			
8501571	IIBD034600	DIISOPROPOXYMETHANE		CAS No : 2568-89-0	
8500093	IABD045000	VENLAFAXINE HYDROCHLORIDE : IMPURITY-A (IH/BP : IMP-A)		CAS No : 775-33-7	
8500334	IFBD045000	VENLAFAXINE HYDROCHLORIDE : IMPURITY-F (IH/BP : IMP-F)		CAS No : 93413-79-7	



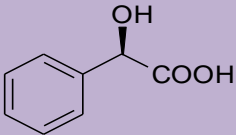
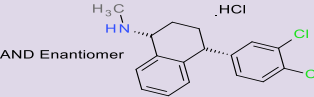
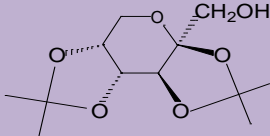
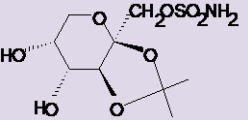
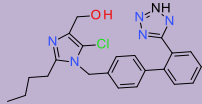
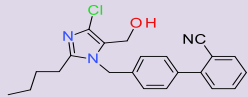
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8500354	IGBD045000	VENLAFAXINE HYDROCHLORIDE : IMPURITY-G (IH/BP : IMP-G)		CAS No : 1076199-92-2	
8500377	IIBD045000	VENLAFAXINE HYDROCHLORIDE : IMPURITY-I (IH : IMP-I)		CAS No : 295366-48-2	
8504433	I3BD045000	VENLAFAXINE HYDROCHLORIDE : EP SYSTEM SUITABILITY MIXTURE	NA	CAS No : 99300-78-4	
8503423	RSRI00524A	VENLAFAXINE HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)		CAS No : 19625-79-7	
8504288	IABD038600	SERTRALINE HYDROCHLORIDE : DESMETHYL IMPURITY (IH : IMPURITY-A)		CAS No : 79617-89-3	
8504289	IBBD038600	SERTRALINE HYDROCHLORIDE : TETRALONE DERIVATIVE (IH : IMPURITY-B,Ph.Eur.: IMPURITY-F) / SERTRALINE STAGE-I		CAS No : 155748-61-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504290	ICBD038600	SERTRALINE HYDROCHLORIDE : D-(-)-MANDELIC ACID (IH : IMPURITY-C,Ph.Eur.: IMPURITY-E )		CAS No : 611-71-2	
8504351	IDBD038600	SERTRALINE HYDROCHLORIDE : R-ISOMER IMPURITY (IH : IMPURITY-D , Ph.Eur.: IMPURITY-G)	 AND Enantiomer	CAS No : 79645-15-1	
8500091	IABD043200	TOPIRAMATE STAGE-I IMPURITY (IH:IMP-A / USP:RELATED COMPOUND-A)		CAS No : 20880-92-6	
8500157	IBBD043200	TOPIRAMATE DIOL IMPURITY (IH:IMP-B)		CAS No : 106881-41-8	
8500065	IABD025300	LOSARTAN POTASSIUM : ISO-LOSARTAN (IH : IMP-A,Ph.Eur.: IMP-C)		CAS No 860644-28-6	
8500130	IBBD025300	LOSARTAN POTASSIUM : CYANO COMPOUND (IH : IMP-B)			

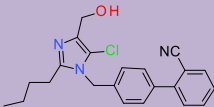
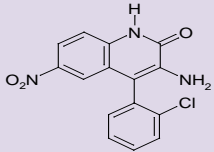
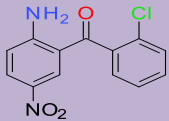
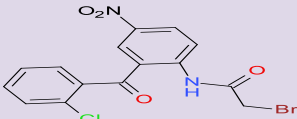
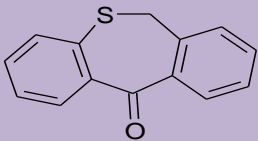
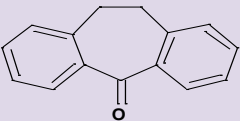


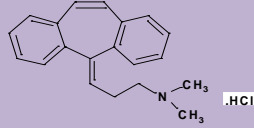
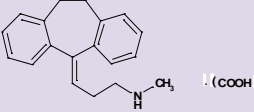
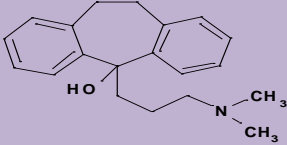
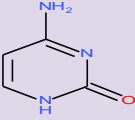
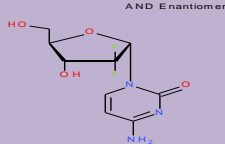
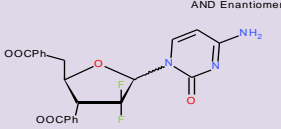
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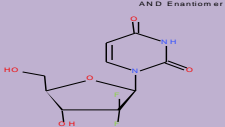
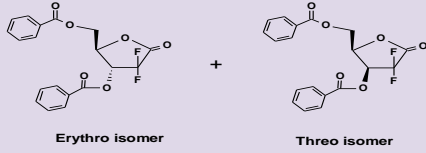
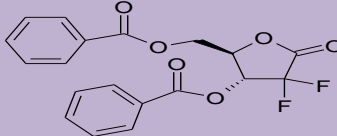
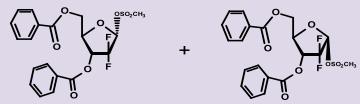
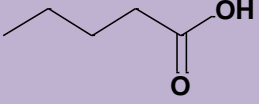
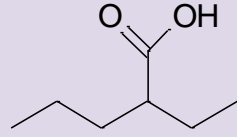
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8500195	ICBD025300	LOSARTAN POTASSIUM : CYANO COMPOUND ISOMER (IH : IMP-C)			
8500043	IABD009900	CLONAZEPAM : IMPURITY-A (IH/USP : IMP-A, BP/Ph.Eur. : IMP-B)		CAS No : 55198-89-5	
8500112	IBBD009900	CLONAZEPAM : IMPURITY-B (IH/USP : IMP-B, BP/Ph.Eur. : IMP-A)		CAS No : [2011-66-7]	
8504648	IIBD009900	CLONAZEPAM : USP RELATED COMPOUND C		CAS No : 52130-87-7	
8509502	8509502	DOTHIEPIN HYDROCHLORIDE EP-IMP-B, DOSULEPINE HCL EP IMP-B]		CAS No : 1531-77-7	
8502779	IABD002200	AMITRIPTYLINE HYDROCHLORIDE : DIBENZOSUBERONE IMPURITY (IH/BP/Ph.Eur. : IMP-A,USP : REL.COMP-A)		CAS No : [1210-35-1]	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502847	IBBD002200	AMITRIPTYLINE HYDROCHLORIDE : CYCLOBENZAPRINE IMPURITY (IH/BP/Ph.Eur.: IMP-B, USP : CYCLOBENZAPRINE HCL)		CAS Number 6202-23-9	
8502915	ICBD002200	AMITRIPTYLINE HYDROCHLORIDE : IMPURITY- C (IH/BP/Ph.Eur. : IMP-C, USP : NORTRIPTYLINE HCL )		CAS Number: 894-71-3	
8502975	IDBD002200	AMITRIPTYLINE HYDROCHLORIDE : IMPURITY- D (IH/BP/Ph.Eur. : IMP-D, USP : RELATED COMPOUND-B)		CAS No : [1159- 03-1]	
8500058	IABD019600	GEMCITABINE HYDROCHLORIDE : CYTOSINE IMPURITY (IH : IMPURITY-A, USP/BP/Ph.Eur. : CYTOSINE)		CAS No : [71- 30-7]	
8500124	IBBD019600	GEMCITABINE HYDROCHLORIDE : ALPHA ANOMER (IH : IMPURITY-B, USP/BP/Ph.Eur. : ALPHA ANOMER)	AND Enantiomer 	CAS No : 122111-05-1	
8502931	ICBD019600	GEMCITABINE HYDROCHLORIDE : IMPURITY-C (IH : IMPURITY-C) (STAGE-VI)	AND Enantiomer 		

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8502990	IDBD019600	GEMCITABINE HYDROCHLORIDE : URIDINE IMPURITY [IH : IMPURITY-D , Ph.Eur.: IMPURITY C]		CAS Number 114248-23-6	
8503044	IEBD019600	GEMCITABINE HYDROCHLORIDE STAGE-IV ISOMERIC MIXTURE (ERYTHRO +THREO MIXTURE) : (IH : IMPURITY-E)	 <p>Erythro isomer                      Threo isomer</p>		
8505137	RSRA21318	2-DEOXY-2,2-DIFLUOROPENTOFURANOUS-1-ULOSE- 3,5- DIBENZOATE (REFERENCE STANDARD)			
8502278	RSRI00235D	GEMCITABINE HYDROCHLORIDE STAGE-V (REFERENCE STANDARD)			
8500046	IABD012900	SODIUM VALPROATE / DIVALPROEX SODIUM : VALERIC ACID (IH/BP/Ph.Eur. : IMP-A)		CAS No : 109-52-4	
8500116	IBBD012900	SODIUM VALPROATE / DIVALPROEX SODIUM : 2-ETHYL PENTANOIC ACID (IH/BP/PH.EUR. : IMP-B)		CAS No : 20225-24-5	

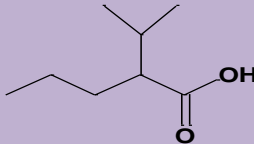
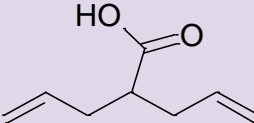
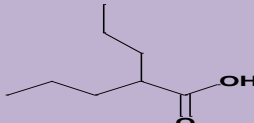
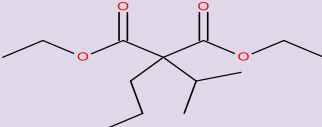
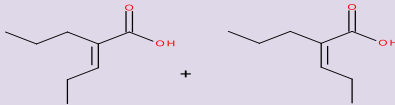


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8500180	ICBD012900	SODIUM VALPROATE/DIVALPROEX SODIUM : 2-(1-METHYL ETHYL) PENTANOIC ACID (IH/BP/Ph.Eur.: IMP-C, USP-VALPROIC ACID REL COMP-B)		CAS No : 62391-99-5	
8500016	I1BD04470A	VALPROIC ACID : 2-ALLYL-4- PENTENOIC ACID / DIALLYL ACETIC ACID (USP RELATED COMPOUND-A)		CAS No : 99-67-2	
8500009	I1BD012900	SODIUM VALPROATE / DIVALPROEX SODIUM : VALPROIC ACID		CAS No: 99-66-1	
8505176	I1BD039700	SODIUM VALPROATE / DIVALPROEX SODIUM : 2-(1-METHYLETHYL)-2-PROPYL-, 1,3-DIETHYL ESTER		CAS NO. 62391-98-4	
8505051	I2BD04470A	VALPROIC ACID FOR SYSTEM SUITABILITY CRS	NA	CAS Number 99-66-1	
8500238	IDBD012900	DIVALPROEX SODIUM IMPURITY-D (IH : IMPURITY-D)	 Impurity - D1                      Impurity-D2	CAS No : 60218-41-9	



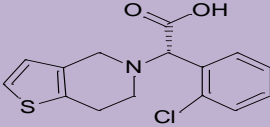
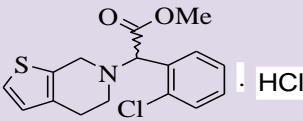
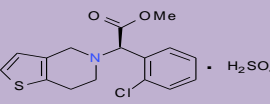
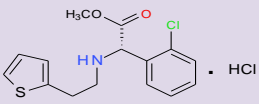
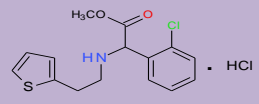
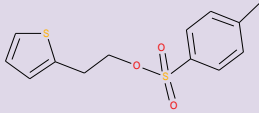


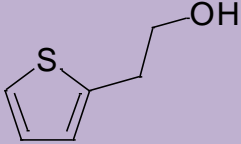
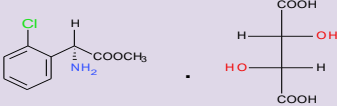
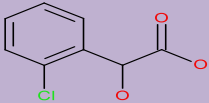
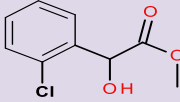
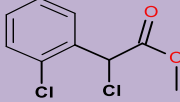
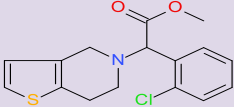
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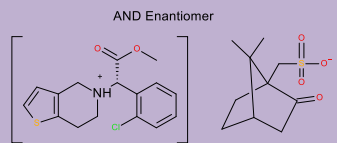
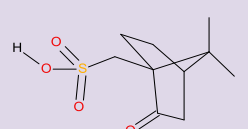
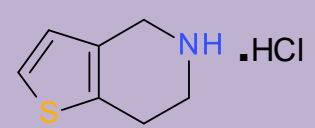
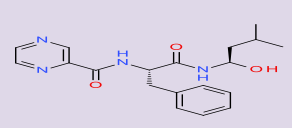
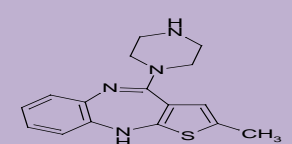
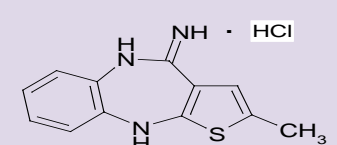
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500044	IABD010000	CLOPIDOGREL BISULPHATE : CLOPIDOGREL ACID. (IH / USP : IMPURITY-A)		CAS No : [144750-42-5]	
8500113	IBBD01000 A	CLOPIDOGREL BISULPHATE : IMPURITY-B ( IH/USP/Ph. Eur. : IMP.-B)		CAS No : [144750-52-7]	
8500177	ICBD010000	CLOPIDOGREL BISULPHATE : IMPURITY C (IH / USP : IMPURITY-C)		CAS No : [120202-71-3]	
8502982	IDBD010000	CLOPIDOGREL BISULPHATE IMPURITY (IH : IMPURITY-D;RM)		CAS No : 141109-19-5	
8503037	IEBD010000	CLOPIDOGREL BISULPHATE IMPURITY (IH : IMPURITY-E)		CAS No 141109-19-5	
8503075	IFBD010000	CLOPIDOGREL BISULPHATE IMPURITY (IH : IMPURITY-F)		CAS Number: 40412-06-4	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503114	IGBD010000	CLOPIDOGREL BISULPHATE IMPURITY (IH : IMPURITY-G)		CAS No : 5402-55-1	
8503145	IHBD010000	CLOPIDOGREL BISULPHATE IMPURITY (IH : IMPURITY-H)			
8502382	RSRA21118	RS-2-CHLORO MANDELIC ACID (REFERENCE STANDARD)		CAS No : 10421-85-9	
8504170	RSRI00110A	CLOPIDOGREL BISULFATE STAGE-I (REFERENCE STANDARD)			
8503891	RSRI00111B	CLOPIDOGREL BISULFATE STAGE-II (RACEMATE) (REFERENCE STANDARD)			
8504756	RSRI00112A	CLOPIDOGREL BISULFATE STAGE-III (REFERENCE STANDARD)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502435	RSRI00113B	CLOPIDOGREL BISULFATE STAGE-IV (REFERENCE STANDARD)	<p>AND Enantiomer</p> 		
8503254	RSRA21065	R(-) CAMPHOR SULPHONIC ACID (REFERENCE STANDARD)			
8502545	I1BD010000	TETRAHYDROTHIENO PYRIDINE HYDROCHLORIDE			
8502656	I2BD010000	CLOPIDOGREL BISULFATE (FORM-I)			
8500074	IABD031400	OLANZAPINE: IMPURITY-A (IH: IMPURITY-A)		CAS No 161696-76-0	
8500139	IBBD031400	OLANZAPINE: IMPURITY-B (IH: IMPURITY-B)		CAS Number 138564-60-0	

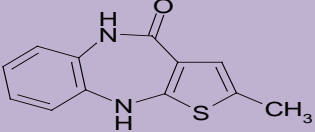
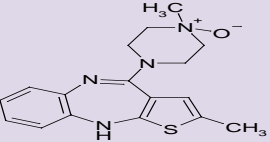
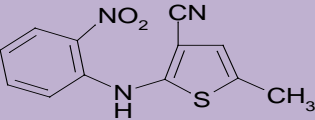
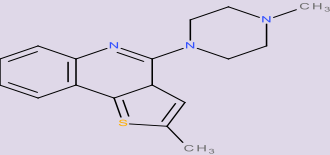
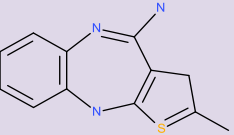


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500201	ICBD031400	OLANZAPINE: IMPURITY-C (IH: IMPURITY-C, USP/Ph.Eur.: IMP-B)		CAS No : [221176-49-4]	
8500260	IDBD031400	OLANZAPINE: IMPURITY-D (IH/Ph.Eur.: IMPURITY-D, USP: IMP-C)		CAS No : [174794-02-6]	
8500295	IEBD031400	OLANZAPINE: IMPURITY-E (IH: IMPURITY-E, USP/Ph.Eur.: IMP-A)		CAS No : [138564-59-7]	
8502327	RSBD031400 B	OLANZAPINE (FORM -1) (REFERENCE STANDARD)			
8503253	RSBD031400 F	OLANZAPINE (FORM-II) (REFERENCE STANDARD)	NA		
8502449	RSRI00341A	OLANZAPINE STAGE-III (REFERENCE STANDARD)	 .HCL	CAS. No : 138564-60-0	

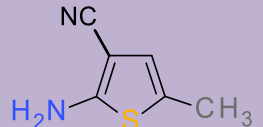
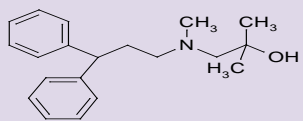
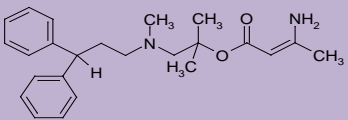

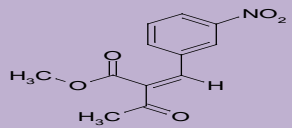
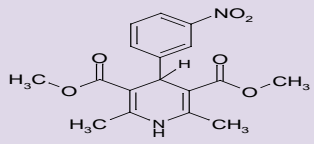


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500866	I1RI00341A	OLANZAPINE STAGE-III IMPURITY-F (OLANZAPINE STAGE-I)		CAS No 604-082-4	
8500061	IABD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-A)		CAS No : 100442-33-9	
8500191	ICBD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-C)			
8500250	IDBD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-D)		CAS No : 887769-34-8	
8500287	IEBD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-E)		CAS. No. 39562-17-9	
8500322	IFBD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-F)		CAS No : 21881-77-6	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500343	IGBD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-G)		CAS No : 5791-86-6	
8500361	IHBD023900	LERCANIDIPINE HYDROCHLORIDE (IMPURITY-H)		CAS No : 74936-72-4	
8501771	RSRI00273B	LERCANIDIPINE HYDROCHLORIDE STAGE-II (REFERENCE STANDARD)			
8504861	I1BD023900	LERCANIDIPINE HYDROCHLORIDE (FORM-II)		CAS No : 132866-11-6	
8502324	RSBD023900	LERCANIDIPINE HYDROCHLORIDE (REFERENCE STANDARD)		CAS No : 132866-11-6	
8501560	I1RI00277A	LERCANIDIPINE HYDROCHLORIDE STAGE-IIIA	 N-methyl-3,3-diphenyl-propan-1-amine hydrochloride	CAS No : 29768-15-8	

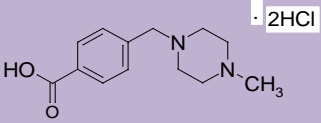
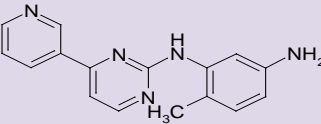
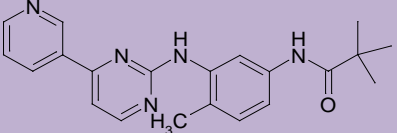
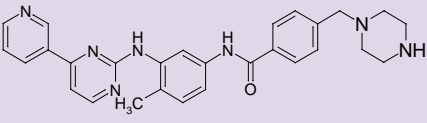
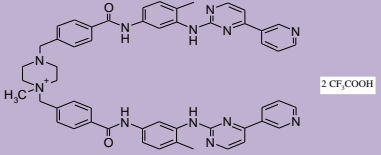
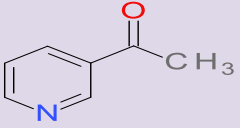


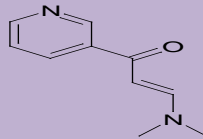
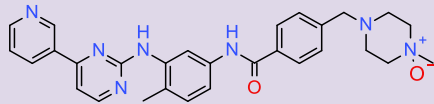
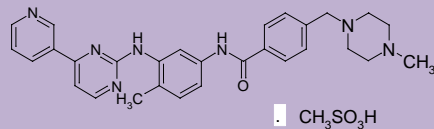
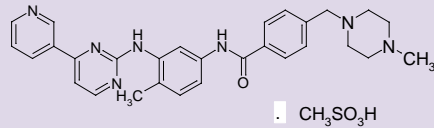
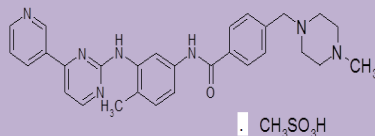
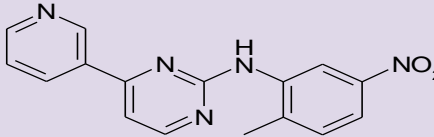
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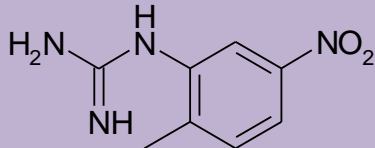
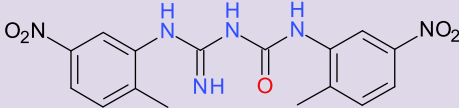
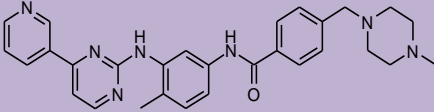
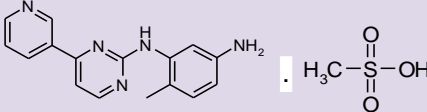
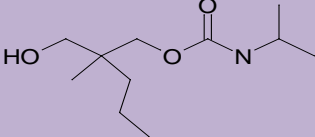
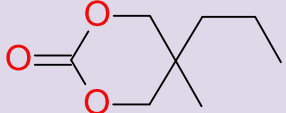
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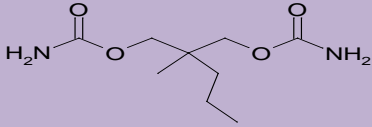
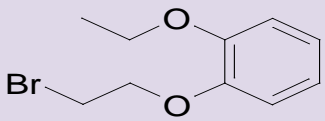
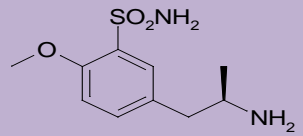
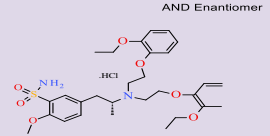
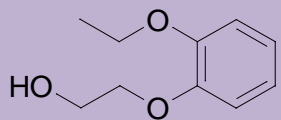
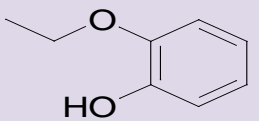
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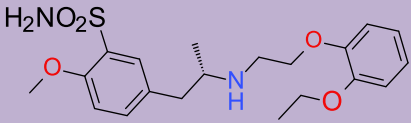
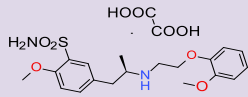
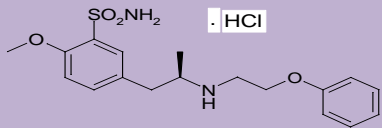
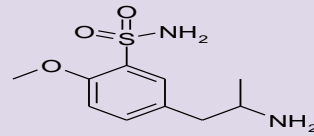
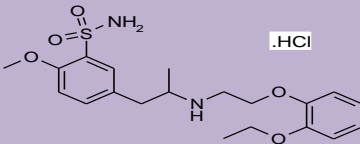
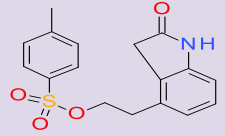
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500059	IABD021600	IMATINIB MESYLATE : ACID IMURITY (IH : IMPURITY-A)	 <chem>CN1CCN(CC1)Cc2ccc(cc2)C(=O)O</chem> · 2HCl	CAS No : 106261-49-8	
8500125	IBBD021600	IMATINIB MESYLATE : AMINE IMURITY [IH : IMPURITY-B , BP/Ph.Eur.: IMP-F]	 <chem>CN1CCN(CC1)c2cc3c(nc2)nc4ccc(N)cc43</chem>	CAS No : 152460-10-1	
8500189	ICBD021600	IMATINIB MESYLATE : AMIDE IMURITY (IH : IMPURITY-C)	 <chem>CC(C)(C)C(=O)Nc1ccc2c3c(nc12)nc4ccc(NC5CCN(C)CC5)cc43</chem>		
8500248	IDBD021600	IMATINIB MESYLATE : DESMETHYL IMURITY [IH : IMPURITY-D ,BP/Ph.Eur.: IMP-C]	 <chem>CN1CCN(CC1)c2cc3c(nc2)nc4ccc(NC5CCN(C)CC5)cc43</chem>	CAS No : 404844-02-6	
8502064	IEBD021600	IMATINIB MESYLATE : [IH ; IMP-E , PH.EUR.: IMP-D]	 <chem>CN1CCN(CC1)c2cc3c(nc2)nc4ccc(NC5CCN(C)CC5)cc43</chem> · 2CF <sub>3</sub> COOH	CAS No : 1821122-73-9	
8502065	IFBD021600	IMATINIB MESYLATE : [IH ; IMP-F , PH.EUR.: IMP-H]	 <chem>CC(=O)c1ccc2c3c(nc12)nc4ccc(NC5CCN(C)CC5)cc43</chem>	CAS No : 350-03-8	

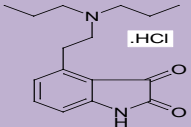
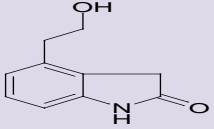
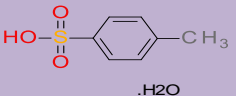
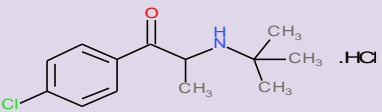
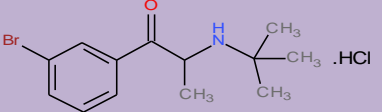
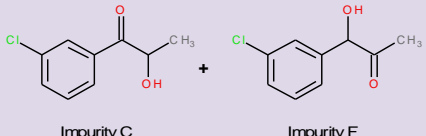
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8500953	I4BD021600	IMATINIB MESYLATE : N-OXIDE IMPURITY [PH. EUR. : IMPURITY-J]		CAS No : 571186-91-9	
8500749	RSBD0216DK	IMATINIB MESYLATE (REFERENCE STANDARD)	 · CH <sub>3</sub> SO <sub>3</sub> H	Cas No : 220127-57-1	
8506252	8506252	IMATINIB MESYLATE (ATFD-REFERENCE STANDARD)	 · CH <sub>3</sub> SO <sub>3</sub> H	Cas No : 220127-57-1	
8502659	I2BD021600	IMATINIB MESYLATE BETA FORM Impurity	 · CH <sub>3</sub> SO <sub>3</sub> H		
8501978	RSRI00245A	IMATINIB MESYLATE STAGE-III (REFERENCE STANDARD)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501979	RSRI00244A	IMATINIB MESYLATE STAGE-II (REFERENCE STANDARD)			
8505425	IIRI00244A	IMATINIB MESYLATE STAGE-II DIMER Impurity			
8502442	RSRI00250B	IMATINIB MESYLATE STAGE-VI (FORM-A) (REFERENCE STANDARD)		Cas No : 152459-95-5	
8505426	IIBD021600	IMATINIB MESYLATE : AMINE MESYLATE IMPURITY			
8500414	IABD007200	CARISOPRODOL : ISOPROPYL CARBAMATE IMPURITY. (IH/BP/Ph.Eur : IMPURITY-A)			
8500426	IBBD007200	CARISOPRODOL : DIOXANONE IMPURITY. (IH/BP/Ph.Eur : IMPURITY-B)		CAS Number 7148-50-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500447	IDBD007200	CARISOPRODOL : MEPROBAMATE IMPURITY (IH/BP/Ph.Eur : IMPURITY-D, USP : MEPROBAMATE)		Cas No : 57-53-4	Controlled
8500421	IABD041200	TAMSULOSIN HYDROCHLORIDE : IMPURITY-A (IH : IMPURITY-A, Ph. Eur : IMPURITY-I)		Cas No : [3259-08-3]	
8500433	IBBD041200	TAMSULOSIN HYDROCHLORIDE : IMPURITY-B (IH/Ph. Eur : IMPURITY-B)		Cas No : 112101-75-4	
8500444	ICBD041200	TAMSULOSIN HYDROCHLORIDE : IMPURITY-C (IH : IMPURITY-C, Ph. Eur : IMPURITY-A)	AND Enantiomer 	Cas No : 918867-88-6	
8500453	IDBD041200	TAMSULOSIN HYDROCHLORIDE : IMPURITY-D (IH : IMPURITY-D)		Cas Number : 3250-73-5	
8500459	IEBD041200	TAMSULOSIN HYDROCHLORIDE : IMPURITY-E (IH : IMPURITY-E)		CAS Number 94-71-3	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500464	IFBD041200	TAMSULOSIN HYDROCHLORIDE : S-ISOMER IMPURITY (IH : IMPURITY-F, Ph. Eur : IMPURITY-G)			
8500469	IGBD041200	TAMSULOSIN HYDROCHLORIDE : METHOXY IMPURITY (IH : IMPURITY-G, Ph. Eur : IMPURITY-D, USP : METHOXY IMPURITY)			
8500473	IHBD041200	TAMSULOSIN HYDROCHLORIDE : DESETHOXY IMPURITY (IH : IMPURITY-H, Ph. Eur : IMPURITY-C, USP : DESETHOXY IMPURITY)			
8502583	IIRA20901	TAMSULOSIN HYDROCHLORIDE (RS-SULPHONAMIDE DERIVATIVE)			
8503396	IIBD041200	TAMSULOSIN HYDROCHLORIDE RACEMATE			
8500088	IABD037900	ROPINIROLE HYDROCHLORIDE: TOSYL IMPURITY (IH: IMP-A)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500152	IBBD037900	ROPINIROLE HYDROCHLORIDE: ISATIN IMPURITY (IH: IMP-B, USP: RELATED COMPOUND : B)	 .HCl	Cas No : [221264-21-7]	
8500215	ICBD037900	ROPINIROLE HYDROCHLORIDE: ALCOHOL IMPURITY (IH: IMP-C, USP: RELATED COMPOUND : A)		Cas No : [139122-19-3]	
8503001	IDBD037900	ROPINIROLE HYDROCHLORIDE: PTSA IMPURITY (IH: IMP-D)	 .H2O		discontinue
8500040	IABD006000	BUPROPION HYDROCHLORIDE: IMPURITY-A (IH/USP: IMP-A)	 .HCl	Cas No : 1049718-72-0	
8500108	IBBD006000	BUPROPION HYDROCHLORIDE: IMPURITY-B (IH/USP: IMP-B)	 .HCl	Cas No : 1049718-43-5	
8503250	IXBD006000	BUPROPION HYDROCHLORIDE: IMPURITY-C AND IMPURITY-F MIXTURE (IH/USP: IMP-C AND IMP-F MIXTURE)	 Impurity C      Impurity F		Cooling shipment

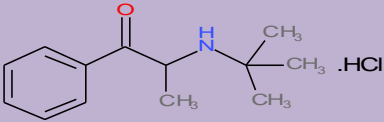
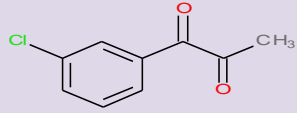
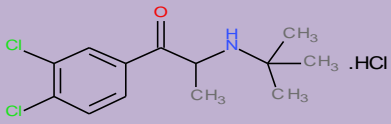
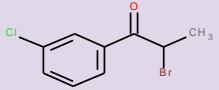
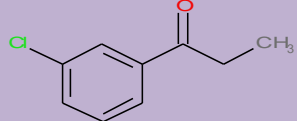
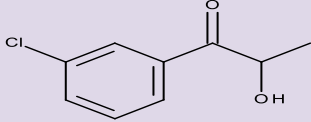


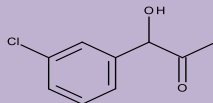
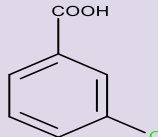
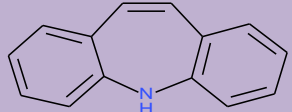
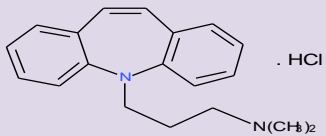
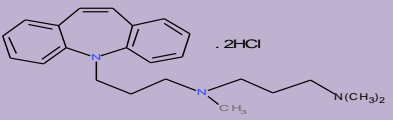
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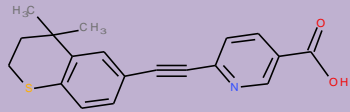
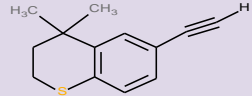
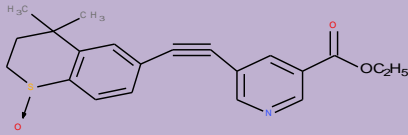
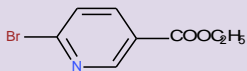
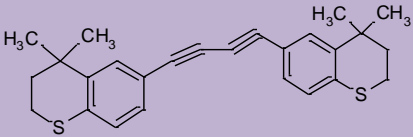
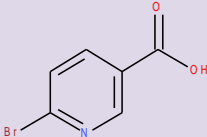
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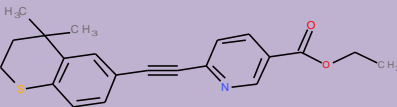
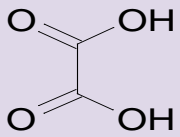
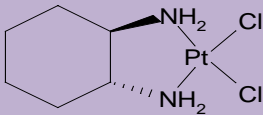
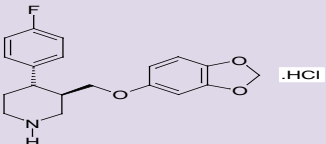
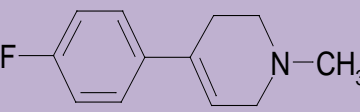
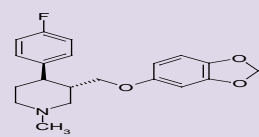
**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

Last update On Aug 2021

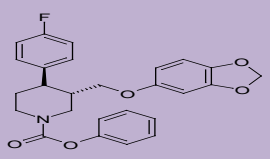
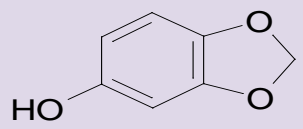
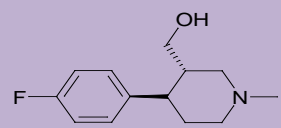
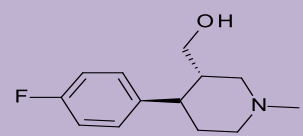
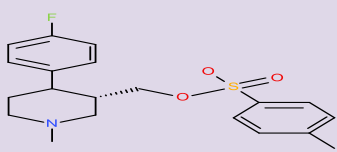
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8500455	IEBD006000	BUPROPION HYDROCHLORIDE: IMPURITY-E (IH/USP: IMP-E)		Cas No : 10557-17-2	
8500371	IIBD006000	BUPROPION HYDROCHLORIDE: IMPURITY-I (IH/USP: IMP-I)	 .HCl	Cas No : 1193779-34-8	
8500002	IHBD006000	BUPROPION HYDROCHLORIDE IMPURITY-H (IH/USP : IMPURITY-H)		Cas No : 34911-51-8	
8500390	IOBD006000	BUPROPION HYDROCHLORIDE: IMPURITY-O (IH/USP: IMP-O)		Cas No : 34841-35-5	
8506047	8506047	BUPROPION HYDROCHLORIDE : USP RELATED COMPOUND C		CAS No : 152943-33-4	

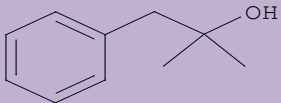
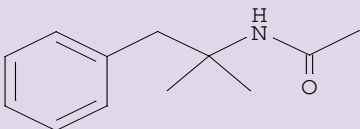
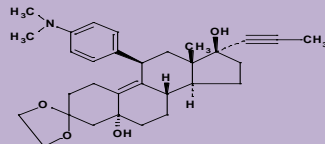
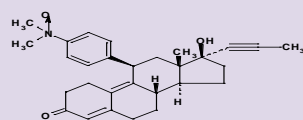
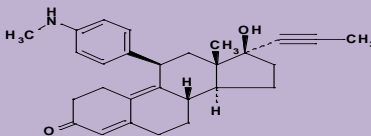
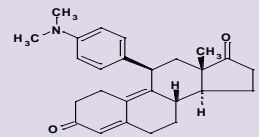
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8505178	I2BD006000	BUPROPION HYDROCHLORIDE : M-CHLOROBENZOIC ACID / 3-CHLOROBENZOIC ACID		CAS No : 535- 80-8	
8502796	IABD021700	IMIPRAMINE HYDROCHLORIDE/ IMIPRAMINE PAMOATE: IMPURITY-A (IH: IMP-A)			
8502864	IBBD021700	IMIPRAMINE HYDROCHLORIDE/ IMIPRAMINE PAMOATE: IMPURITY-B (IH: IMP-B)			
8502933	ICBD021700	IMIPRAMINE HYDROCHLORIDE/ IMIPRAMINE PAMOATE: IMPURITY-C (IH: IMP-C)			
8502555	I1BD021700	IMIPRAMINE HYDROCHLORIDE/ IMIPRAMINE PAMOATE: PAMOIC ACID IMPURITY	NA		

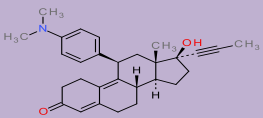
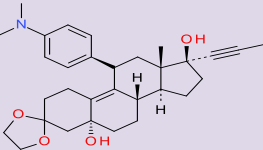
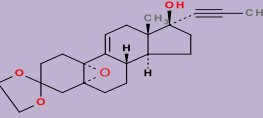
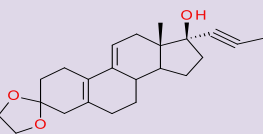
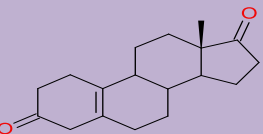
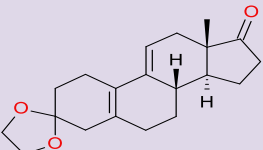
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8502894	IBBD069200	TAZAROTENE IMPURITY-B (STAGE-IV) (IH:IMPURITY-B)		Cas No : 118292-06-1	
8503014	IDBD069200	TAZAROTENE S-OXIDE IMPURITY (IH:IMPURITY-D)			
8502493	RSRI00911A	TAZAROTENE IMPURITY-E / STAGE-IVB (IH: IMPURITY-E)			
8503098	IFBD069200	TAZAROTENE IMPURITY-F (IH:IMPURITY-F)			
8502399	RSRA21964	6-BROMO NICOTINIC ACID (REFERENCE STANDARD)		Cas No : 6311- 35-9	

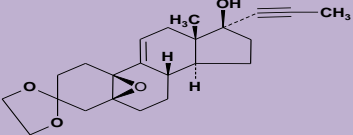
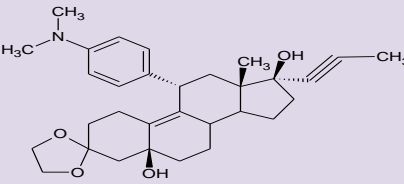
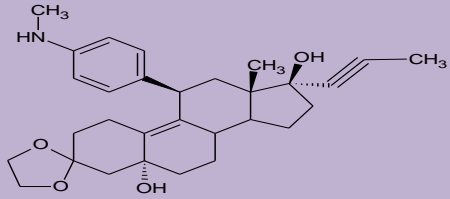
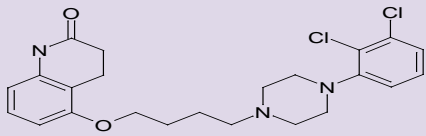
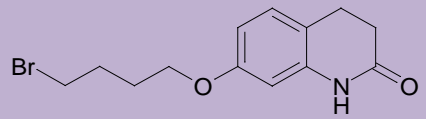
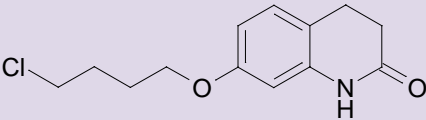
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8500077	IABD032100	OXALIPLATIN : IMPURITY-A (IH/BP/Ph.Eur. : IMP-A, USP : RELATED COMPOUND A)		Cas No : 6153-56-6	
8500329	IFBD032100	OXALIPLATIN : DICHLORO IMPURITY (IH : IMP-F, BP/Ph.Eur.: DICHLORODIAMINO CYCLOHEXANE PLATINUM, USP : OXALIPLATIN SST]		Cas No : 61848-66-6	
8500207	ICBD033700	PAROXETINE HYDROCHLORIDE HEMIHYDRATE: (+/-)-TRANS-PAROXETINE HYDROCHLORIDE (IH/USP: IMP-C, BP/Ph.Eur.: IMP-D)		Cas No : [130855-30-0]	
8500298	IEBD033700	PAROXETINE HYDROCHLORIDE HEMIHYDRATE: IMPURITY-E (IH/USP: IMP-E, BP/Ph.Eur.: IMP-G)		Cas No : 1012886-75-7	
8500331	IFBD033700	PAROXETINE HYDROCHLORIDE HEMIHYDRATE: N-METHYL PAROXETINE IMPURITY (IH/USP: IMP-F) / STAGE-II		Cas No : 110429-36-2	

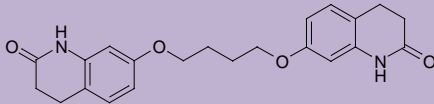
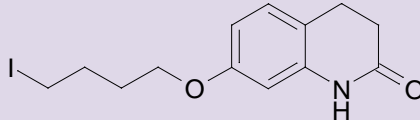
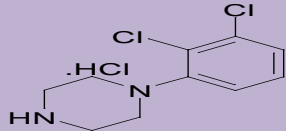
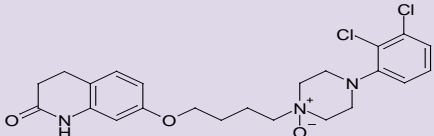
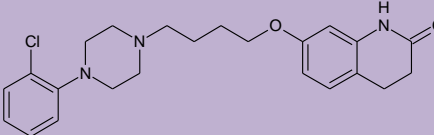
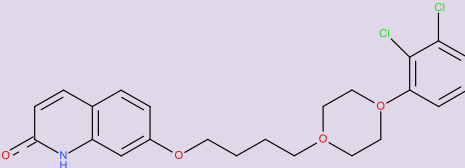


SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500013	I1BD033700	PAROXETINE HYDROCHLORIDE HEMIHYDRATE: PHENYL CARBAMATE IMPURITY / STAGE-III			
8500028	I2BD033700	PAROXETINE HYDROCHLORIDE HEMIHYDRATE: SESAMOL IMPURITY		Cas No : 533-31-3	
8502710	I3BD033700	PAROXETINE HYDROCHLORIDE HEMIHYDRATE : TRANS-(-)-PAROXOL IMPURITY / RM			
8505398	I4BD033700	PAROXETINE IMPURITY STANDARD	NA		
8505775	I1RA20874	TRANS-(-)-1-METHYL-4-(4-FLUOROPHENYL)-3- HYDROXYMETHYL PIPERIDINE : IMPURITY [TRANS(±)PARAXOL].		Cas No : 109887-53-8	
8507529	RSRI00367A	PAROXETINE HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)		Cas No : 317323-77-6	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502825	IABD069500	PHENTERMINE HYDROCHLORIDE : IMPURITY-A (IH : IMP-A)		Cas No : 100-86-7	
8502895	IBBD069500	PHENTERMINE HYDROCHLORIDE : IMPURITY-B (IH : IMP-B)(STAGE-I)		Cas No : 5531-33-9	
8500070	IABD028300	MIFEPRISTONE: 11-ADDITION PRODUCT (IH: IMPURITY-A)		Cas No : 84371-64-2	
8500135	IBBD028300	MIFEPRISTONE: N-OXIDE IMPURITY (IH: IMPURITY-B)		Cas No : 91934-98-4	
8500197	ICBD028300	MIFEPRISTONE: N-DESMETHYL IMPURITY (IH: IMPURITY-C)		Cas No : 104004-96-8	
8500255	IDBD028300	MIFEPRISTONE: 17-KETO IMPURITY (IH: IMPURITY-D)			

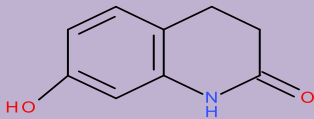
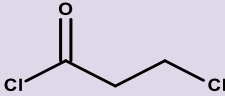
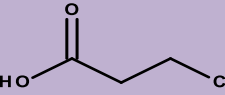
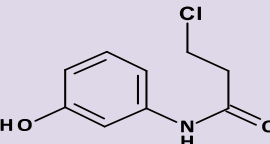
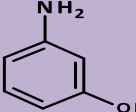
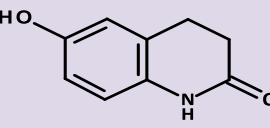
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8502326	RSBD028300	MIFEPRISTONE (REFERENCE STANDARD)		Cas No : 84371-65-3	
8501841	RSRA21425A	3,3-[1,2-ETHANEDIYL-BISOXY]-11BETA-[4-(N,N-DIMETHYLAMINO)-PHENYL]-17ALPHA-(PROP-1-YNYL)-DELTA9-ESTRENE-5ALPHA17BETA-DIOL		Cas No : 84371-64-2	
8502589	I1RA21425	MIFEPRISTONE RAW MATERIAL EPOXY IMPURITY/ 11-ADDITION SUBSTANCE: ALPHA-EPOXIDATION SUBSTANCE		Cas No : 84371-57-3	
8501127	I2RA21425	11-ADDITION SUBSTANCE: PROPYNE SUBSTANCE		Cas No : 84371-69-7	
8501128	I3RA21425	11-ADDITION SUBSTANCE: D5-NAD		Cas No : 2503-06-2	
8501129	I4RA21425	11-ADDITION SUBSTANCE: ETHYLENE DELTENONE		Cas No : 5571-36-8	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506629	8506629	11-ADDITION SUBSTANCE: BETA-EPOXIDATION SUBSTANCE		NA	
8506627	8506627	11-ADDITION SUBSTANCE: ALPHA-11-ADDITION SUBSTANCE ISOMER		NA	
8506633	8506633	11-ADDITION SUBSTANCE: N-DESMETHYLATION 11-ADDITION SUBSTANCE		Cas No : 104004-98-0	
8502780	IABD002800	ARIPIRAZOLE : IMPURITY-A (IH : IMP-A)			
8500105	IBBD002800	ARIPIRAZOLE: IMPURITY-B (IH: IMP-B)		Cas No : 129722-34-5	
8500169	ICBD002800	ARIPIRAZOLE: IMPURITY-C (IH: IMP-C)		Cas No : 120004-79-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500231	IDBD002800	ARIPIRAZOLE: DIMER IMPURITY (IH: IMP-D)		Cas No : 882880-12-8	
8500279	IEBD002800	ARIPIRAZOLE: IMPURITY-E (IH: IMP-E)		Cas No : 952308-47-3	
8500310	IFBD002800	ARIPIRAZOLE: IMPURITY-F [IH: IMP-F,USP : RELATED COMPUOND C]		Cas No : 119532-26-2	
8500336	IGBD002800	ARIPIRAZOLE: IMPURITY-G [IH: IMP-G,EP-IMP-F,USP : RELATED COMPUOND F]		Cas No : 573691-09-5	
8505241	IHBD002800	ARIPIRAZOLE : 3-DESCHLORO ARIPIRAZOLE IMPURITY [IH: IMP-H/EP.: IMP.-C]		CAS No: 203395-81-7	
8504431	I2BD002800	ARIPIRAZOLE USP RELATED COMPOUND-G , PH. EUR./BP IMPURITY-E , DEHYDRO ARIPIRAZOLE		Cas No : 129722-25-4	

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8505154	RSRA20739	7-HYDROXY 3,4-DIHYDRO CARBOSTYRIL (REFERENCE STANDARD)		CAS No: 22246-18-0	
8504568	I1RA20739	3-CHLOROPROPIONYL CHLORIDE		CAS No: 625-36-5	
8504569	I2RA20739	3-CHLOROPROPIONIC ACID		CAS No: 107-94-8	
8504570	I3RA20739	3-CHLORO-N-(3-HYDROXYPHENYL)- PROPANAMIDE		CAS No: 50297-40-0	
8504591	I4RA20739	3-AMINO PHENOL		CAS No: 591-27-5	
8504592	I5RA20739	3,4-DIHYDRO-6-HYDROXY CARBOSTYRIL		CAS No: 54197-66-9	

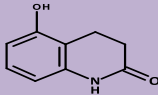
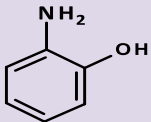
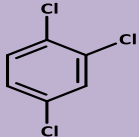
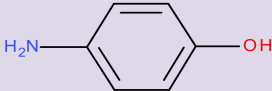
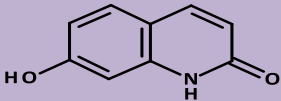



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504593	I6RA20739	3,4-DIHYDRO-5-HYDROXY CARBOSTYRI		CAS No: 30389-33-4	
8504594	I7RA20739	2-AMINO PHENOL		CAS No: 95-55-6	
8504595	I8RA20739	1,2,4-TRICHLOROBENZENE		CAS No: 120-82-1	
8504596	I9RA20739	4-AMINO PHENOL		CAS No: 123-30-8	
8504597	I10RA20739	7-HYDROXY CARBOSTYRIL (DEHYDRO IMPURITY)		CAS No: 70500-72-0	
8504789	RSRA20734	1-BROMO-4-CHLOROBUTANE (REFERENCE STANDARD )		CAS No: 6940-78-9	



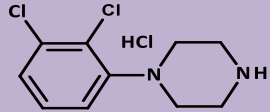
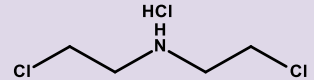
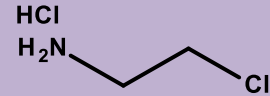
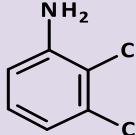


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504605	I1RA20734	1,4-DIBROMOBUTANE		CAS No: 110-52-1	
8504606	I2RA20734	1,4-DICHLOROBUTANE		CAS No: 110-56-5	
8505155	RSRA20731	2,3-DICHLORO PHENYL PIPERAZINE MONOHYDROCHLORIDE (REFERENCE STANDARD)		CAS No: 119532-26-2	
8504598	I1RA20731	2-CHLORO-N-2-(CHLOROETHYL) ETHANAMINE HYDROCHLORIDE		CAS No: 821-48-7	
8504599	I2RA20731	2-CHLOROETHANAMINE HYDROCHLORIDE		CAS No: 870-24-6	
8504600	I3RA20731	2,3-DICHLOROANILINE		CAS No: 608-27-5	



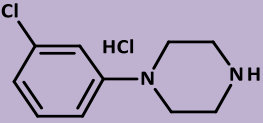
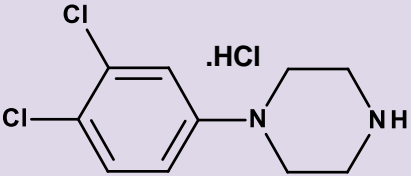
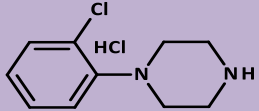
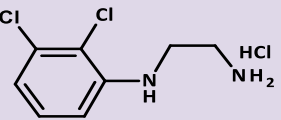
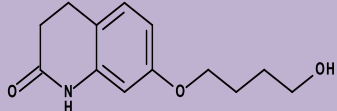
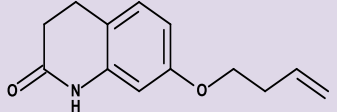


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504601	I4RA20731	1-(3-CHLORO PHENYL)PIPERAZINE HYDROCHLORIDE		CAS No: 65369-76-8	
8504602	I5RA20731	1-(3,4-DICHLORO PHENYL)PIPERAZINE HYDROCHLORIDE		CAS No: 88138-89-0	
8504603	I6RA20731	1-(2-CHLORO PHENYL)PIPERAZINE HYDROCHLORIDE		CAS No: 41202-32-8	
8504762	I8RA20731	N'-(2,3-DICHLOROPHENYL)ETHANE-1,2-DIAMINE HYDROCHLORIDE		CAS No: 622373-89-1	
8504787	I1RI10619D	7-(4-HYDROXYBUTOXY)-3,4-DIHYDRO-1H-QUINOLIN-2-ONE		CAS No: 889443-20-3	
8504788	I2RI10619D	7-(BUT-3-EN-1-YLOXY)-3,4-DIHYDRO-1H-QUINOLIN-2-ONE		NA	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505225	I18040450	SST FOR ARIPIPRAZOLE STAGE-I	NA	NA	
8505226	I18040580	SST FOR ARIPIPRAZOLE STAGE-IA	NA	NA	
8505624	8505624	ARIPIPRAZOLE MONOHYDRATE (REFERENCE STANDARD)		CAS No: 129722-12-9	
8505174	RS8040451	ARIPIPRAZOLE MONOHYDRATE STAGE-II (REFERENCE STANDARD) /ARIPIPRAZOLE IMPURITY-C(IH IMP-C)		CAS No: 120004-79-7	
8505348	I28040451	7-(4-METHOXYBUTOXY)-1H-QUINOLIN-2-ONE		CAS No: 1770391-64-4	
8505384	I38040451	SST FOR ARIPIPRAZOLE MONOHYDRATE STAGE-II	NA	NA	

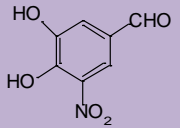
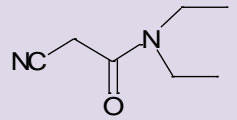
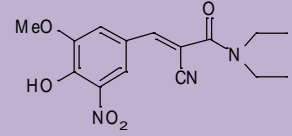
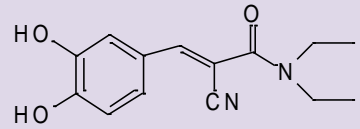


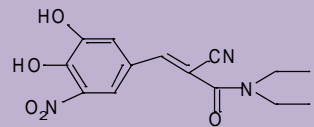
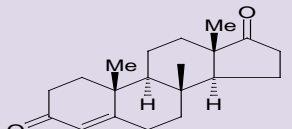
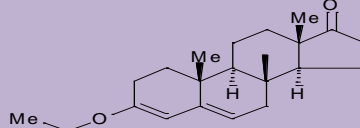
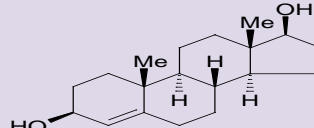
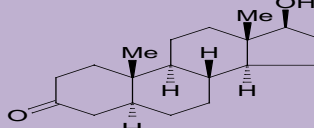
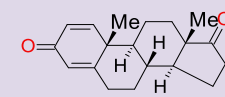
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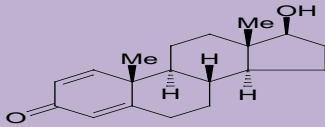
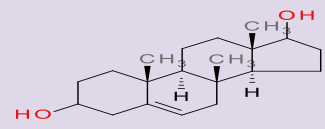
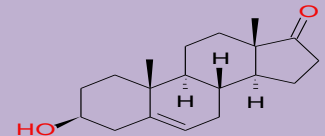
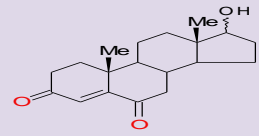
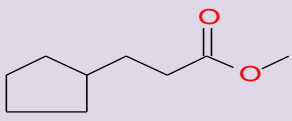
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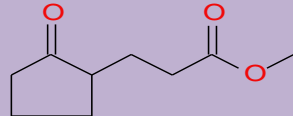
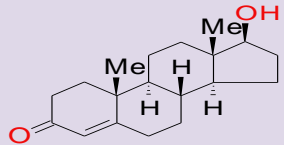
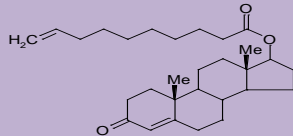
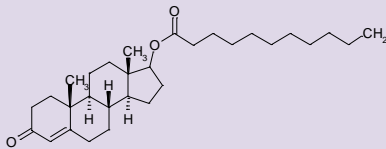
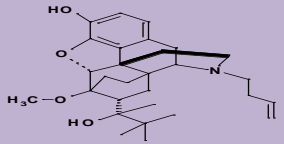
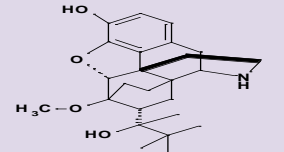
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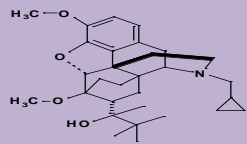
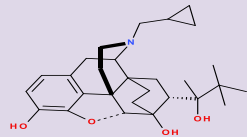
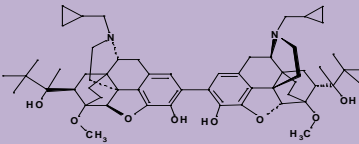
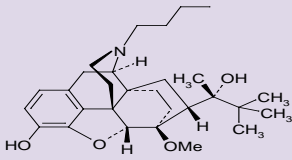
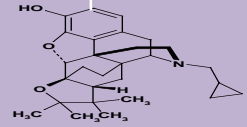
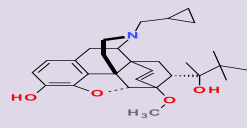
Last update On Aug 2021

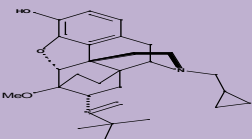
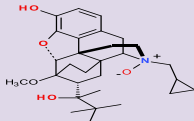
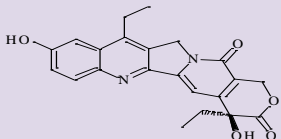
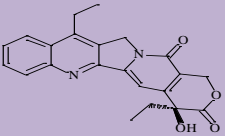
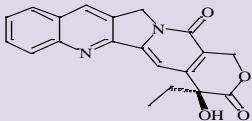
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8505527	8505527	SST FOR ARIPIRAZOLE MONOHYDRATE STAGE-III	NA	NA	
8505631	8505631	SST FOR ARIPIRAZOLE MONOHYDRATE	NA	NA	
8501751	IABD014600	ENTACAPONE : IMPURITY-A (IH : IMP-A,EP-IMP-C) / STAGE-II		CAS : 116313-85-0	
8502859	IBBD014600	ENTACAPONE : IMPURITY-B (IH : IMP-B) / STAGE-III		CAS : 26391-06-0	
8502926	ICBD014600	ENTACAPONE : IMPURITY-C (IH : IMP-C)		CAS : 857629-78-8	
8502986	IDBD014600	ENTACAPONE : IMPURITY-D (IH : IMP-D)		CAS. No. 1217439-96-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501752	IEBD014600	ENTACAPONE : Z-ISOMER [IH : IMP-E,EP-IMP-A ,USP-RELATED COMPOUND -A]		Cas No : 145195-63-7	
8502808	IABD041700	TESTOSTERONE : IMPURITY-A (IH/EP/USP : IMP-A)		Cas No : 63-05-8	
8502877	IBBD041700	TESTOSTERONE : IMPURITY-B (IH/Ph.Eur.: IMP-B)		Cas No : 972-46-3	
8503004	IDBD041700	TESTOSTERONE : IMPURITY-D (IH/Ph.Eur.: IMP-D)		Cas No : 1156-92-9	
8503090	IFBD041700	TESTOSTERONE : IMPURITY-F (IH/Ph.Eur.: IMP-F)		Cas No : 521-18-6	
8502570	I1BD041700	TESTOSTERONE IMPURITY (IH: ANDROSTA-1,4-DIENE-3,17-DIONE / Ph. Eur.: IMP-G)		Cas No : 897-06-3	Available as a Exemestan Imp-C

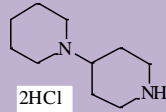
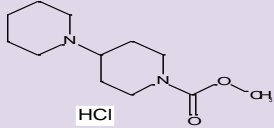
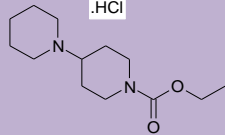
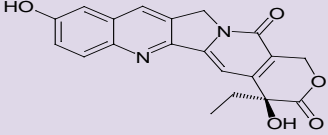
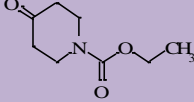
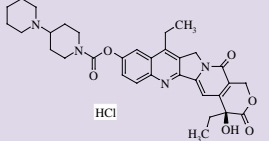
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8503155	IHBD041700	TESTOSTERONE BOLDENONE IMPURITY (IH,Ph. Eur. : IMP-H)		CAS No: 846-48-0	
8503221	ILBD041700	TESTOSTERONE IMPURITY-L (IH : IMPURITY-L)		CAS No : 16895-59-3	
8502571	I1BD041800	TESTOSTERONE : DEHYDROEPIANDROSTERONE (IH:DHEA IMPURITY)			
8502711	I3BD041700	TESTOSTERONE : 6-KETO TESTOSTERONE IMPURITY		Cas No : 570-94-5	
8506702	8506702	TESTOSTERONE FOR SYSTEM SUITABILITY A	NA		
8503067	IERA21061	3-CYCLOPENTYL PROPIONIC ACID (IH:IMPURITY-E)		Cas No : 62021-34-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503093	IFBD056600	TESTOSTERONE CYPIONATE IMPURITY-F (IH: IMPURITY-F)		Cas No : 10407-36-0	
8502813	IABD056500	TESTOSTERONE UNDECANOATE: TESTOSTERONE (IH: IMP-A)		Cas No : 58-22-0	
8502883	IBBD056500	TESTOSTERONE UNDECANOATE: IMPURITY-B (IH: IMP-B)			
8502339	RSBD056500	TESTOSTERONE UNDECANOATE [REFERENCE STANDARD]		CAS No : 5949-44-0	
8500413	IABD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-A (IH / BP/ Ph.Eur : IMPURITY-A, USP : RELATED COMPOUND -A)		CAS No : 457071-73-7	Controlled [NDC : 00216933301]
8500425	IBBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-B (IH / BP/ Ph.Eur : IMPURITY-B)		CAS No : 78715-23-8	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500916	IDBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-D (IH / BP/ Ph.Eur : IMPURITY-D) (STAGE-V)		CAS No : 16524-65-5	
8500917	IEBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-E (IH / BP/ Ph.Eur : IMPURITY-E)		CAS No : 130668-48-3	
8500312	IFBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-F (IH : IMPURITY-F, BP/ Ph.Eur : IMPURITY-G)		CAS No : 163597-04-4	
8500356	IHBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-H (IH/BP/Ph.Eur : IMPURITY-H)		CAS No : 90387-35-2	
8500370	IIBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-I (IH / BP/ Ph.Eur : IMPURITY-I)		CAS No : 89663-73-0	
8500476	IJBD005900	BUPRENORPHINE HYDROCHLORIDE : IMPURITY-J (IH / BP/ Ph.Eur : IMPURITY-J)		CAS No : 155203-05-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500383	IKBD005900	BUPRENORPHINE HYDROCHLORIDE IMPURITY-K (IH: IMPURITY-K, BP / Ph. Eur. : IMPURITY-F)		CAS No : 97203-04-8	
8503437	IMBD005900	BUPRENORPHINE HYDROCHLORIDE : N-OXIDE IMPURITY (IH: IMPURITY-M)		CAS No : 112242-17-8	
8504992	I3BD005900	BUPRENORPHINE SYSTEM SUITABILITY MIXTURE CII	NA		
8505404	RSRI01324A	IRINOTECAN HYDROCHLORIDE STAGE-IC (REF.STD.)/7-ETHYL-10-HYDROXY CAMPTOTHECIN IMP.(IH:IMP-A, USP:REL. COMP.-B, EP-IMP-E)		CAS No : [86639-52-3]	
8502866	IBBD022100	IRINOTECAN HYDROCHLORIDE : 7-ETHYL CAMPTOTHECIN (IH: IMP-B , USP : RELATED COMPOUND-E,EP-IMP-F)		CAS Number: 78287-27-1	
8505405	RSRA22501	CAMPTOTHECIN (REF.STAND.) /IRINOTECAN HYDROCHLORIDE: CAMPTOTHECIN IMPURITY (IH: IMP-C, USP-CAMPTOTHECIN; EP-IMP-D)		CAS No : [ 7689-03-4]	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502993	IDBD022100	IRINOTECAN HYDROCHLORIDE : 4-PIPERIDINOPIPERIDINE DIHYDROCHLORIDE (IH: IMP-D)	 2HCl	CAS No : 172281-92-4	
8503047	IEBD022100	IRINOTECAN HYDROCHLORIDE : IMPURITY-E (IH: IMP-E)	 HCl		
8503084	IFBD022100	IRINOTECAN HYDROCHLORIDE : IMPURITY-F (IH: IMP-F)	 .HCl		
8501652	RSRI01323A	IRINOTECAN HYDROCHLORIDE STAGE-IB (REF.STD.)/10-HYDROXY CAMPTOTHECIN IMP.(IH:IMP-G, USP:REL. COMP.-A, EP-IMP-B)		Cas No : 19685-09-7	
8503149	IHBD022100	IRINOTECAN HYDROCHLORIDE TRIHYDRATE: ETHYL-4-OXOPIPERIDINE-1-CARBOXYLATE (IH: IMP-H)			
8503179	IIBD022100	IRINOTECAN HYDROCHLORIDE : R & S ISOMER (IH: IMPURITY-I , USP : REL,COMP-D,EP-IMP-L)	 HCl & its enantiomer		

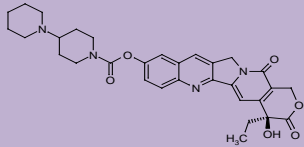
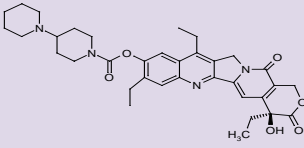
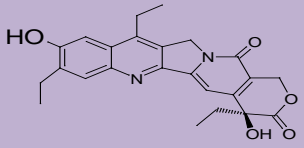
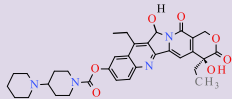
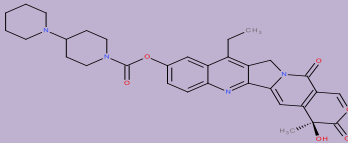
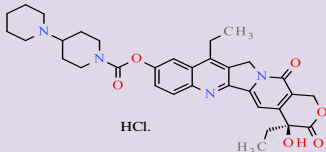


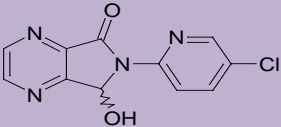
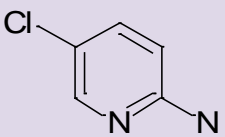
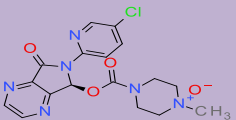
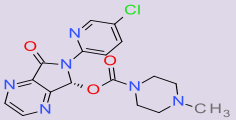
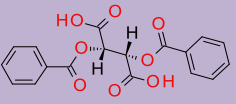
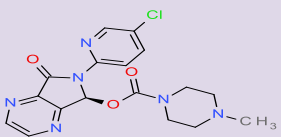
SUN PHARMACEUTICAL INDUSTRIES LIMITED TANDALJA ROAD, VADODARA,390020.INDIA

Tel. : 91- 265 – 6615500 / 66156000 Fax : 91- 265- 2354897

**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502557	I1BD0221OA	IRINOTECAN HYDROCHLORIDE : 7-DESETHYL IRINOTECAN IMPURITY [USP-7-DESETHYL IRINOTECAN,EP-IMP-A]		CAS No : 103816-16-6	
8502660	I2BD0221O0	IRINOTECAN HYDROCHLORIDE: 11- ETHYLIRINOTECAN IMPURITY [USP-11- ETHYLIRINOTECAN,EP-IMP-C]			
8502556	I1BD0221O0	IRINOTECAN HYDROCHLORIDE : [USP-7,11- DIETHYL-10-HYDROXY CAMPTOTHECIN , EP- IMP-G]		CAS No : 947687-01-6	
8502303	IJBD0221O0	IRINOTECAN HYDROCHLORIDE : 12-HYDROXY IRINOTECAN (IH : IMP-J,EP : IMP-M)		CAS No : 185336-12-3	
8502443	RSRI00257D	IRINOTECAN HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)		Cas No : 185304-42-1	
8501023	RSRI01321A	IRINOTECAN HYDROCHLORIDE (REFERENCE STANDARD)	 HCl.	CAS No 100286- 90-6	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500052	IABD016200	ESZOPICLONE AMIDOL IMPURITY (IH:IMP-A)			
8500119	IBBD016200	ESZOPICLONE AMINOPYRIDINE IMPURITY (IH:IMP-B)		CAS Number 1072-98-6	
8500185	ICBD016200	ESZOPICLONE ZOPICLONE OXIDE IMPURITY [IH:IMP-C,USP : RELATED COMPUOND A]		Cas No : 43200-96-0	
8500244	IDBD016200	ESZOPICLONE R-ZOPICLONE IMPURITY (IH:IMP-D)			
8500284	IEBD016200	ESZOPICLONE DIBENZOYL-D-(+)-TARTRIC ACID IMPURITY [DBTA] - (IH:IMP-E)			
8502319	RSBD016200	ESZOPICLONE (REFERENCE STANDARD)		CAS Number 138729-47-2	Discontinue due to official std available in Pharmacopeia

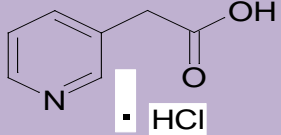
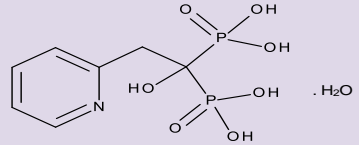
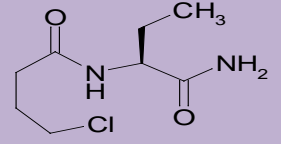
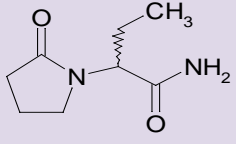
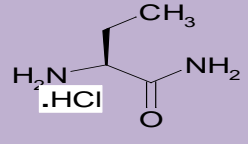
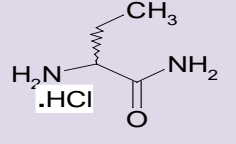


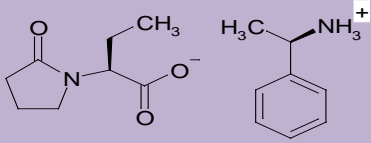
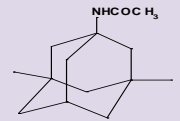
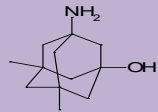
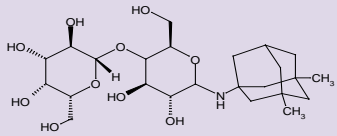
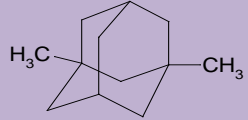
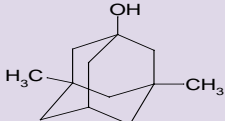
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500087	IABD037300	RISEDRONATE SODIUM HEMI PENTAHYDRATE : 3-PYRIDYL ACETIC ACID IMPURITY (IH: IMP-A, BP/Ph.Eur.: IMP-D)		CAS Number 6419-36-9	
8503305	I2BD037300	RISEDRONATE SODIUM HEMI PENTAHYDRATE : 2-PYRIDYL ISOMER (USP: IMP-A, BP/Ph.Eur.: IMP- B)		Cas No : 105462-23-5	
8500063	IABD024200	LEVETIRACETAM: IMPURITY-A (IH/USP: IMP-A)		Cas No : [102767-31-7]	
8500128	IBBD024200	LEVETIRACETAM: RACEMIC LEVETIRACETAM (IH : IMP-B ,USP : R-ISOMER , Ph.Eur.: IMP-D)		Cas No : 33996- 58-6	
8500193	ICBD024200	LEVETIRACETAM: AMIDE IMPURITY (IH: IMP-C , USP : IMP-B)		Cas No : [7682- 20-4]	
8500251	IDBD024200	LEVETIRACETAM: RACEMIC AMIDE IMPURITY (IH: IMP-D)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500288	IEBD0242O0	LEVETIRACETAM : IMPURITY-E (IH: IMP-E, Ph.Eur.: IMP-A ; USP: LEVETIRACETAM ACID)		CAS No: 67118-31-4	
8500067	IABD0267O0	MEMANTINE HYDROCHLORIDE: AMIDE IMPURITY (IH: IMP-A) (STAGE-II)		Cas No : 19982-07-1	
8500132	IBBD0267O0	MEMANTINE HYDROCHLORIDE: HYDROXY IMPURITY (IH: IMP-B)		Cas No : 356572-08-2	
8502939	ICBD0267O0	MEMANTINE HYDROCHLORIDE : MEMANTINE LACTOSE ADDUCT OR AMADORI COMPLEX (IH: IMP-C)		Cas No : 1159637-28-1	
8500252	IDBD0267O0	MEMANTINE HYDROCHLORIDE : 1,3-DIMETHYLADAMANTANE (IH: IMP-D / USP : RELATED COMPOUND A)		Cas No : 702-79-4	
8500289	IEBD0267O0	MEMANTINE HYDROCHLORIDE : STAGE-I (IH: IMP-E / USP : RELATED COMPOUND B)		Cas No : 707-37-9	



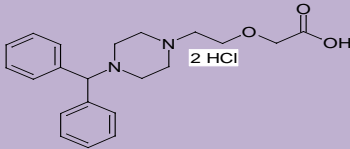
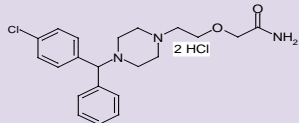
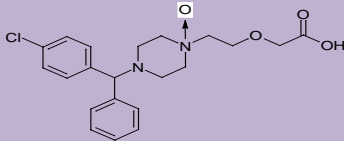
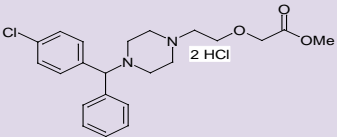
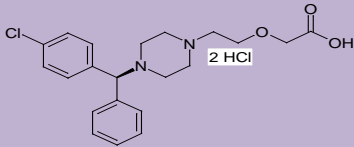
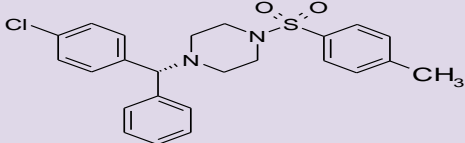
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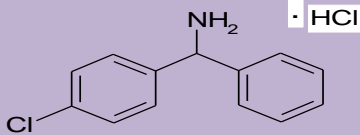
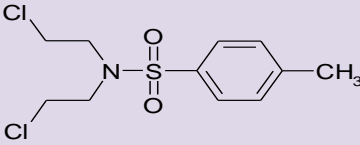
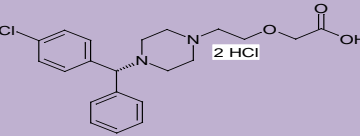
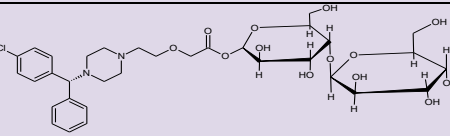
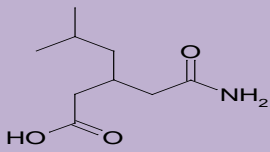
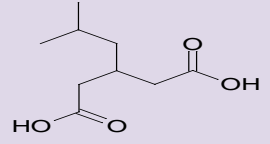
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500324	IFBD026700	MEMANTINE HYDROCHLORIDE : CHLORO IMPURITY (IH: IMP-F / USP : RELATED COMPOUND C)		Cas No : 707-36-8	
8500345	IGBD026700	MEMANTINE HYDROCHLORIDE: BROMO IMPURITY (IH: IMP-G / USP : RELATED COMPOUND D)		Cas No : 941-37-7	
8500363	IHBD026700	MEMANTINE HYDROCHLORIDE: FORMAMIDE IMPURITY (IH: IMP-H / USP :RELATED COMPOUND E)		Cas No : 351329-88-9	
8500064	IABD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : PIPERAZINE IMPURITY (IH :IMP-A) / CPPMP/ CBHP			
8500129	IBBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : PIPERAZINE ACETIC ACID IMPURITY (IH : IMP-B)			available in Cetirizine
8500194	ICBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : 2-CHLORO ISOMER IMPURITY (IH : IMP-C)		Cas No : 83881-56-5	available in Cetirizine

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500323	IFBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : DESCHLORO IMPURITY (IH : IMP-F)			available in Cetirizine
8500344	IGBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : AMIDE IMPURITY/STAGE-I (IH :IMP-G)			
8500362	IHBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : N- OXIDE IMPURITY (IH : IMP-H)		CAS No 1076199-80-8	available in Cetirizine
8500374	IIBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE : METHYL ESTER IMPURITY (IH : IMPURITY-I)		CAS No 83881- 48-5	available in Cetirizine
8500380	IJBD024400	LEVOCETIRIZINE DIHYROCHLORIDE : S- ISOMER (DEXTRCETIRIZINE) IMPURITY (IH : IMPURITY-J)			
8503372	I3BD024400	LEVOCETIRIZINE CPPSP IMPURITY		Cas No : 163837-56-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503373	I4BD024400	LEVOCETIRIZINE : CPPMA IMPURITY		Cas No : 42137-88-2	
8503371	I2BD024400	LEVOCETIRIZINE : BCEMB IMPURITY		Cas No : 28022-43-7	
8502325	RSBD024400	LEVOCETIRIZINE DIHYDROCHLORIDE (REFERENCE STANDARD)		Cas No : 130018-87-0	Discontinue due to official std available in Pharmacopeia
8501049	I1BD024400	LEVOCETIRIZINE DIHYDROCHLORIDE: D-LACTOSE ESTER			
8500084	IABD035200	PREGABALIN: IMPURITY-A (IH: IMP-A) (STAGE-I)		Cas No : 181289-15-6	
8507348	RSRA22198	3-ISOBUTYLGLUTARIC ACID (REFERENCE STANDARD) / PREGABALIN : DIACID IMPURITY (IH : IMP-B)		Cas No : 75143-89-4	



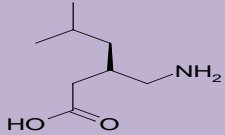
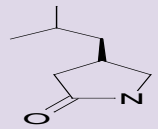
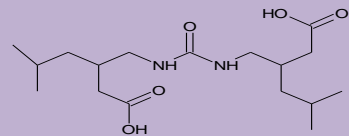
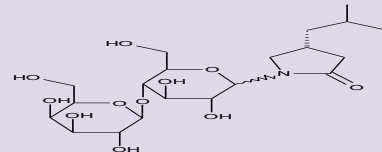
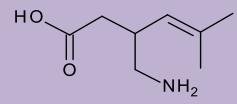
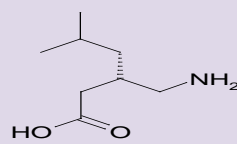


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500211	ICBD035200	PREGABALIN: RS ISOMERIC MIXTURE (IH: IMP-C)		Cas No : 128013-69-4	
8500266	IDBD035200	PREGABALIN: LACTUM IMPURITY (IH: IMP-D, Ph.Eur.: IMP-A, USP-RELATED COMPOUND C)		Cas No : 61312-87-6	Hygroscopic
8500301	IEBD035200	PREGABALIN : UREA DERIVATIVE IMPURITY (IH : IMPURITY-E)			
8500014	IIBD035200	PREGABALIN LACTOSE CONJUGATE (PREGABALINE LACTUM-LACTOSE ADDUCT)		CAS 466678-44-4	
8501664	I3BD03520X	PREGABALIN : PREGABALIN-4-ENE IMPURITY		Cas No : 216576-74-8	
8500522	RSBD035200	PREGABALIN (REFERENCE STANDARD)		CAS Number 148553-50-8	Discontinue due to official std available in Pharmacopeia

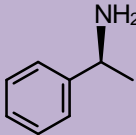
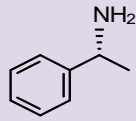
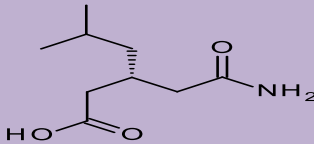
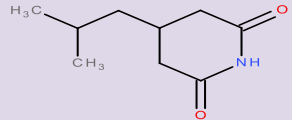
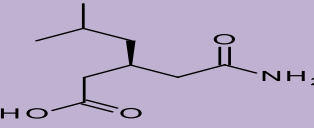


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502834	IARA20452	R-(+)-ALFA METHYL BENZYLAMINE/ IMPURITY-A		Cas No : 2627-86-3	
8502369	RSRA20452	R-(+)-ALFA METHYL BENZYLAMINE		Cas No : 3886-69-9	
8505156	RSRI01095A	PREGABALIN STAGE-III (REFERENCE STANDARD)		Cas No : 181289-33-8	
8502840	IARA22110	4-(2-methyl propyl)-piperidine-2,6-dione		Cas No : 916982-10-0	
8502647	IIRI01095A	(S)-(+)-3-(CARBAMOYL METHYL)-5-METHYL HEXANOIC ACID: (S-isomer Impurity of stage-III )			
8505220	I4BD035200	PREGABALIN : SYSTEM SUITABILITY MIXTURE OF IH IMPURITIES B, PREGABALIN-4-ENE AND PREGABALIN-5-ENE.	NA		

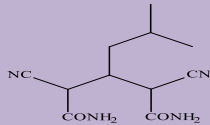
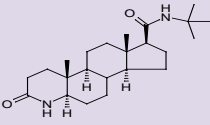
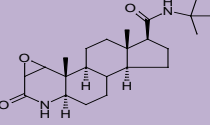
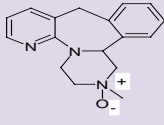
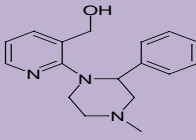
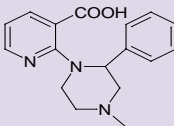


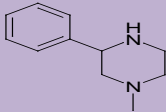
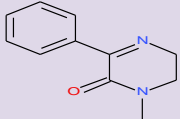
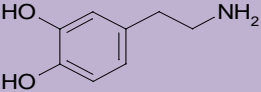
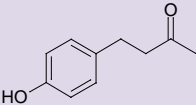
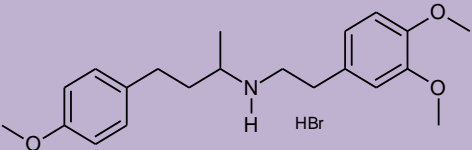
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501106	IIRA22198	3-ISOBUTYLGLUTARIC ACID : 2,4-DICYANO-3-ISOBUTYLPENTANE DIAMIDE IMPURITY		Cas No : 185815-56-9	
8502795	IABD017600	FINASTERIDE: CARBOXAMIDE IMPURITY (IH/BP/Ph.Eur.: IMP-A)		CAS Number 98319-24-5	
8503318	IDBD017600	FINASTERIDE: EPOXIDE DERIVATIVE (IH: IMP-D)			
8500071	IABD028500	MIRTAZAPINE: N-OXIDE IMPURITY (IH/BP/Ph.Eur.: IMP-A, USP: RELATED COMPOUND-A)		Cas No : [61337-68-6]	
8500136	IBBD028500	MIRTAZAPINE: ALCOHOL IMPURITY (IH/BP/Ph.Eur.: IMP-B, USP: RELATED COMPOUND-B)		N/F	
8500198	ICBD028500	MIRTAZAPINE: ACID IMPURITY (IH: IMP-C)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500256	IDBD028500	MIRTAZAPINE: PIPERAZINE IMPURITY (IH: IMP-D)			
8500291	IEBD028500	MIRTAZEPINE : PIPERAZINONE IMPURITY (IH: IMP-E)			
8502791	IABD013000	DOBUTAMINE HYDROCHLORIDE : DOPAMINE HYDROCHLORIDE (IH/BP : IMP-A)		Cas No : 62-31-7	
8502856	IBBD013000	DOBUTAMINE HYDROCHLORIDE : IMPURITY-B (IH/BP : IMP-B)		Cas No : 5471-51-2	
8501016	RSRI00147D	DOBUTAMINE HYDROCHLORIDE : STAGE-III (HYDROBROMIDE SALT)/IH : IMPURITY C		Cas No : 51062-14-7	
8502181	IIBD013000	DOBUTAMINE : SYSTEM SUITABILITY MIXTURE OF IH/PH.EUR. IMPURITIES A,B AND C	NA		

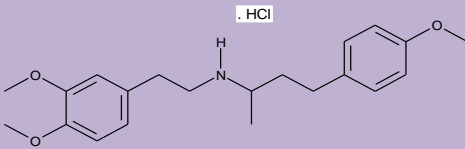
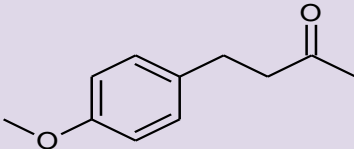
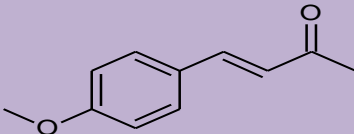
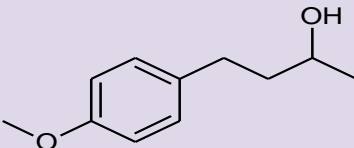
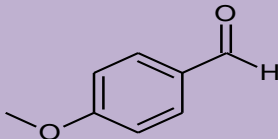
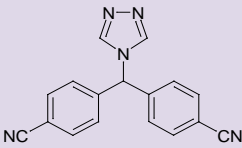


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8502439	RSRI00147A	DOBUTAMINE HYDROCHLORIDE STAGE-III (REFERENCE STANDARD)			
8501006	RSRA21450	ANISYL ACETONE (REFERENCE STANDARD)		Cas No : 104-20-1	
8500975	I1RA21450	ANISYL ACETONE : ALKENE IMPURITY		Cas No : 943-88-4	
8500976	I2RA21450	ANISYL ACETONE : ALCOHOL IMPURITY		Cas No : 67952-38-9	
8500991	I3RA21450	ANISYL ACETONE : ANISALDEHYDE IMPURITY		Cas No : 123-11-5	
8500062	IABD024000	LETROZOLE: ISOMER IMPURITY ( IH/BP/Ph.Eur: IMP-A, USP: RELATED COMPOUND -A)		Cas No : 112809-52-6	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500127	IBBD024000	LETROZOLE: TRISBENZONITRILE IMPURITY (IH: IMP-B, USP-4,4',4'-METHANE TRIYL TRIBENZONITRILE IMPURITY, BP/Ph.Eur: REL COMP-B)		Cas No : 113402-31-6	
8500192	ICBD024000	LETROZOLE: TRIAZOYL BENZONITRILE IMPURITY (IH : IMP-C)			
8500411	IABD002700	ANASTROZOLE : DICYANO DERIVATIVE (RM / IH:IMPURITY-A / USP : RELATED COMPOUND-A)		Cas No : [120511-72-0]	
8500424	IBBD002700	ANASTROZOLE: TRIAZOLIUM BROMIDE IMPURITY (IH: IMP-B)		CAS No 906813-01-2	
8500436	ICBD002700	ANASTROZOLE: 4-AMINO-1,2,4-TRIAZOLE IMPURITY (IH: IMP-C)		Cas No : 584-13-4	
8500446	IDBD002700	ANASTROZOLE: 1,2,4-TRIAZOLE IMPURITY (IH: IMP-D)		Cas No : 288-88-0	



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8504965	IEBD002700	ANASTROZOLE : IMPURITY E (Ph.Eur.:IMP-E)		Cas No : 120511-88-8	
8502653	I2BD002700	ANASTROZOLE : SYSTEM SUITABILITY STANDARD	NA		
8500856	I3BD002700	ANASTROZOLE: MONOBROMO IMPURITY (USP: RELATEDCOMPOUND-D, PH. EUR. : IMPURITY-C)		Cas No : 120511-84-4	
8500857	I4BD002700	ANASTROZOLE: DIBROMO IMPURITY (USP: RELATEDCOMPOUND-E, PH. EUR. : IMPURITY-D)		Cas No : 1027160-12-8	
8501656	I5BD002700	ANASTROZOLE :ANASTROZOLE DIAMIDE		Cas No : 120512-04-1	
8501657	I6BD002700	ANASTROZOLE :ANASTROZOLE DIACID		Cas No : 1338800-81-9	



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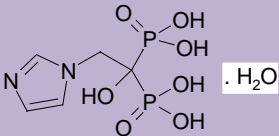
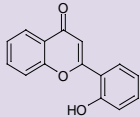
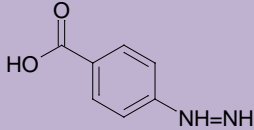
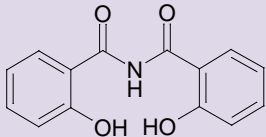
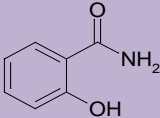
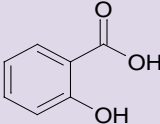
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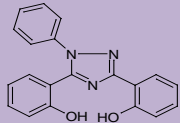
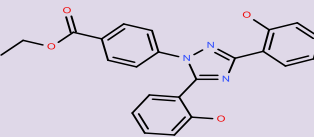
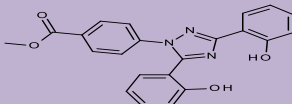
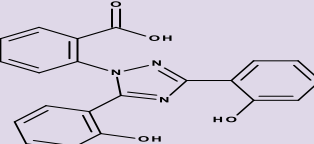
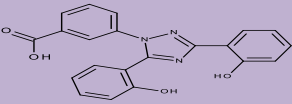
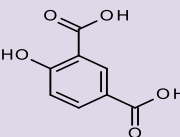
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501658	I7BD0027O0	ANASTROZOLE :ANASTROZOLE MONOACID MONOAMIDE			
8501660	I9BD0027O0	ANASTROZOLE :ANASTROZOLE MONOAMIDE MONONITRILE		Cas No : 120512-03-0	
8501550	IARA21042	ANASTROZOLE : RM IMPURITY-A		Cas No : 19294-04-3	
8501551	IBRA21042	ANASTROZOLE : RM IMPURITY-B		Cas No : 120511-74-2	
8500094	IABD0461O0	ZOLEDRONIC ACID MONOHYDRATE : IMPURITY-A (IH/USP : IMP-A) / STAGE-II		Cas No : 22884-10-2	
8500017	I1BD0461O0	ZOLEDRONIC ACID MONOHYDRATE : IMIDAZOLE IMPURITY		Cas No : 288-32-4	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502336	RSBD046100	ZOLEDRONIC ACID MONOHYDRATE (REFERENCE STANDARD)		CAS Number 165800-06-6	
8502789	IABD011300	DEFERASIROX :IMPURITY-A (IH:IMP-A,EP-IMP-B)(STAGE-I)		Cas No : 1218-69-5	
8500775	IBBD011300	DEFERASIROX :IMPURITY-B (IH:IMPURITY-B)		Cas No : 619-67-0	
8502921	ICBD011300	DEFERASIROX :IMPURITY-C (IH:IMP-C,EP-IMP-A)		Cas No : 1972-71-0	
8500776	IDBD011300	DEFERASIROX :IMPURITY-D (IH:IMPURITY-D)		Cas No : 65-45-2	
8500777	IEBD011300	DEFERASIROX :IMPURITY-E (IH:IMPURITY-E)		Cas No : 69-72-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503076	IFBD011300	DEFERASIROX :IMPURITY-F (IH:IMPURITY-F)			
8503146	IHBD011300	DEFERASIROX :ETHYL ESTER IMPURITY (IH:IMP-H,EP-IMP-E)		Cas No : 201530-79-2	
8503173	IIBD011300	METHYL ESTER OF DEFERASIROX IMPURITY (IMPURITY-I)		Cas No : 1266741-05-2	
8503196	IJBD011300	DEFERASIROX : 2-HYDRAZINO BENZOIC ACID ANALOGUE IMPURITY (IH : IMP-J,EP-IMP-C)		Cas No : 201530-78-1	
8503209	IKBD011300	DEFERASIROX : 3-HYDRAZINO BENZOIC ACID ANALOGUE IMPURITY (IH : IMP-K,EP-IMP-D)		CAS No 2254105-61-6	
8506203	IIRA20097	SALICYLIC ACID IMPURITY (4-HYDROXYISOPHTHALIC ACID)		CAS NO : 636-46-4	



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8500771	RSBD011300	DEFERASIROX (REFERENCE STANDARD)		Cas No : 201530-41-8	Discontinue due to official std available in Pharmacopeia
8502805	IABD037100	RILUZOLE : IMPURITY-A (IH : IMPURITY-A , USP : RELATED COMPOUND A)		Cas No : [461-82-5]	
8502874	IBBD037100	RILUZOLE : IMPURITY-B (IH : IMPURITY-B)			
8502943	ICBD037100	RILUZOLE : IMPURITY-C (IH : IMPURITY-C, USP : BROMO RILUZOLE)			
8503000	IDBD037100	RILUZOLE : IMPURITY-D (IH : IMPURITY-D)			
8503052	IEBD037100	RILUZOLE IMPURITY-E (IH : IMPURITY-E / USP : IMPURITY-C)			



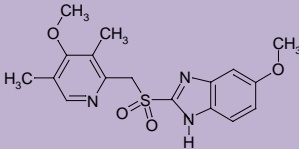
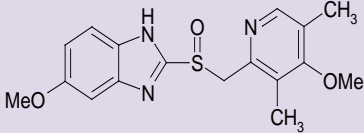
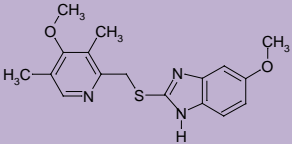
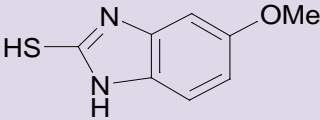
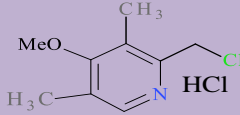
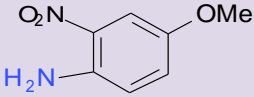
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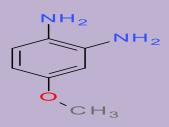
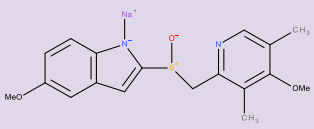
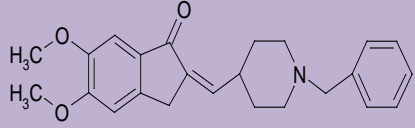
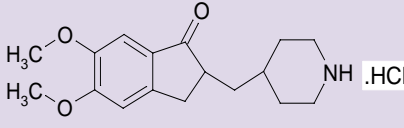
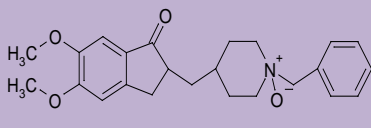
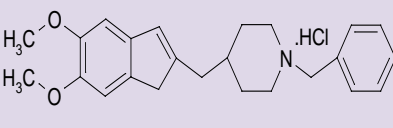
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500096	IABD053000	IBANDRONIC ACID MONOSODIUM MONOHYDRATE : IMPURITY-A (IH : IMPURITY-A)		Cas No : 625120-81-2	
8502323	RSBD02150 C	IBANDRONATE MONOSODIUM MONOHYDRATE (FORM-A) (REFERENCE STANDARD)			
8502718	I3RA20983	3-(N-METHYL-N-PENTYLAMINE) PROPIONIC ACID METHYL ESTER : IBANDRONATE SODIUM RAW MATERIAL IMPURITY			
8503762	RSBD05300 0	IBANDRONIC ACID MONOSODIUM MONOHYDRATE (REFERENCE STANDARD)			
8500110	IBBD007800	CEFUROXIME AXETIL: S-OXIDE IMPURITY (IH: IMP-B)			
8500173	ICBD007800	CEFUROXIME AXETIL: LACTONE IMPURITY (IH: IMP-C, BP/Ph.Eur.: IMP-E)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500051	IABD015900	ESOMEPRAZOLE : SULPHONE IMPURITY (IH/USP : IMPURITY-A, Ph.Eur.: IMPURITY-D,USP : OMEPRAZOLE RELATED COMPOUND-A]		Cas No : 88546-55-8	
8500184	ICBD015900	ESOMEPRAZOLE : OMEPRAZOLE IMPURITY (IH/USP : IMPURITY-C, RACEMIC MIXTURE)		Cas No : 73590-58-6	
8500243	IDBD015900	ESOMEPRAZOLE : OMEPRAZOLE SULPHIDE IMPURITY (IH : IMPURITY-D, Ph. Eur. : IMPURITY-C)		Cas No : 73590-85-9	
8500316	IFBD015900	ESOMEPRAZOLE : MERCAPTO IMPURITY (IH : IMP-F Ph.Eur.: IMP-A,USP-OMEPRAZOLE REL.COMP-B , OMEPRAZOLE EP-IMP-A]		Cas No : 37052-78-1	
8502551	IIBD015900	ESOMEPRAZOLE SODIUM IMPURITY-II (OME - CHLORO IMPURITY)		Cas No : 86604-75-3	
8502719	I3RA21439	ESOMEPRAZOLE SODIUM IMPURITY-III		Cas No : 96-96-8	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505509	I4RA21439	ESOMEPRAZOLE SODIUM IMPURITY-IV		Cas No : 102-51-2	
8502318	RSBD015900	ESOMEPRAZOLE SODIUM (REFERENCE STANDARD)		Cas No : 161796-78-7	
8500047	IABD013400	DONEPEZIL HYDROCHLORIDE (STAGE-III) (IH:IMP-A / USP: RELATED COMPOUND-A)		Cas No : 145546-80-1	
8500117	IBBD013400	DONEPEZIL HYDROCHLORIDE DESBENZYL IMPURITY (IH:IMP-B / USP: DESBENZYL DONEPEZIL)		Cas No : 120013-39-0	
8500181	ICBD013400	DONEPEZIL HYDROCHLORIDE N-OXIDE IMPURITY (IH:IMP-C / USP: DONEPEZIL N-OXIDE )			
8500239	IDBD013400	DONEPEZIL HYDROCHLORIDE IMPURITY-D (IH:IMP-D)			

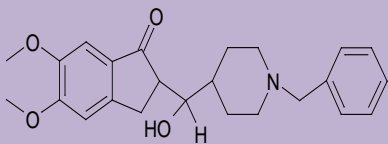
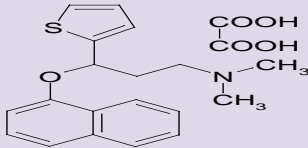
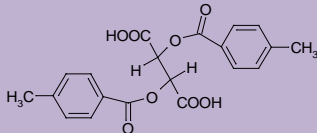
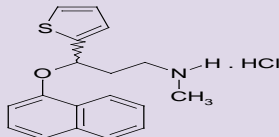
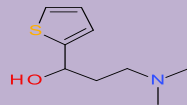
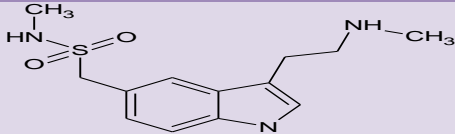


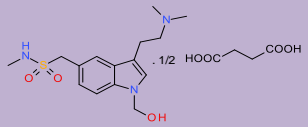
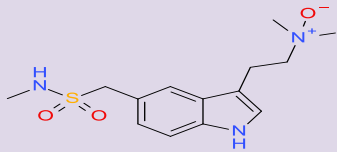
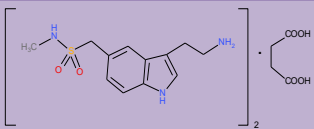
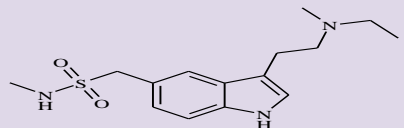
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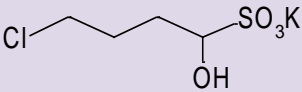
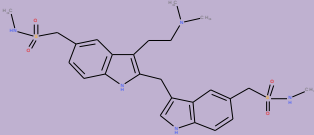
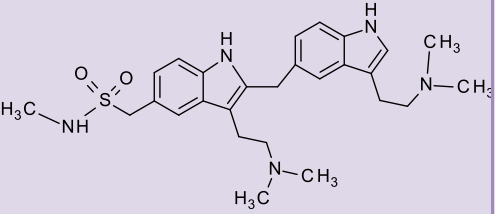
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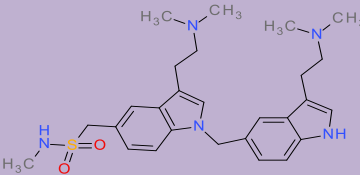
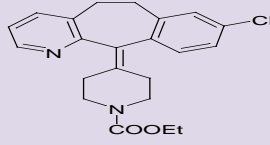
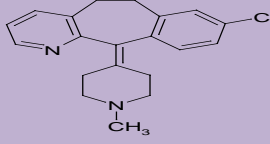
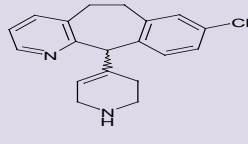
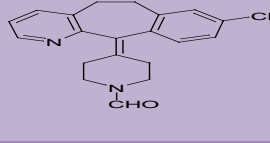
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502548	I1BD013400	DONEPEZIL HYDROCHLORIDE : HYDROXY DONEPEZIL IMPURITY			
8500048	IABD014100	DULOXETINE HYDROCHLORIDE IMPURITY-A (STAGE-III) (IH:IMP-A)			
8502857	IBBD014100	DULOXETINE HYDROCHLORIDE IMPURITY-B (IH:IMP-B)			
8502925	ICBD014100	DULOXETINE HYDROCHLORIDE (DULOXETINE RACEMATE) (IH:IMP-C)			
8503393	RSRI00168C	DULOXETINE HYDROCHLORIDE STAGE-II (REFERENCE STANDARD)			
8504724	I6BD040400	SUMATRIPTAN SUCCINATE : EP IMPURITY B / USP SUMATRIPTAN MONOMETHYL	 [3-(2-Methylaminoethyl)-1H-indol-5-yl]-N-methylmethane sulphonamide	Cas No : 88919-51-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504434	I5BD040400	SUMATRIPTAN SUCCINATE : EP IMPURITY C / USP RELATED COMPOUND C	 <p>[(3-[2-(Dimethylamino)ethyl]-1-(hydroxymethyl)-1H-indol-5-yl]-N-methylmethanesulfonamide succinate salt)</p>	Cas No : 1797905-62-4	
8502154	IDBD040400	SUMATRIPTAN SUCCINATE: N-OXIDE IMPURITY [IH / PH.EUR : IMP-D, USP-N-OXIDE IMPURITY]	 <p>N-Methyl-1-([3-[2-(dimethylamino N-oxide)ethyl]-1H-indol-5-yl]methane sulfonamide) or ([3-[2-(Dimethylamino-N-oxide)ethyl]-1H-indol-5-yl]-N-methyl methanesulfonamide)</p>	Cas No : 212069-94-8	
8503054	IEBD040400	SUMATRIPTAN SUCCINATE : IMPURITY-E (IH/BP/Ph.Eur.:IMP-E)(HEMISUCCINATE SALT) / STAGE-I	 <p>[3-(2-Aminoethyl)-1H-indol-5-yl]-N-methylmethane sulphonamide</p>	Cas No : 88919-22-6	
8505074	I9BD040400	SUMATRIPTAN SUCCINATE : N-ETHYL METHYL IMPURITY	 <p>N-Ethylmethyl-1-(3-(2-(methylamino)ethyl)-1H-indol-5-yl)methanesulfonamide</p>		
8504725	I7BD040400	SUMATRIPTAN IMPURITY MIXTURE CRS / SUMATRIPTAN SUCCINATE RELATED IMPURITIES USP	NA		



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503183	IIBD040400	SUMATRIPTAN SUCCINATE : BISULPHITE ADDUCT (IH:IMPURITY-I)	 <p>Potassium 4-Chloro-1-hydroxybutanesulphonate</p>		
8503252	IZBD040400	SUMATRIPTAN SUCCINATE : IMPURITY-Z (IH)			Discontinue
8502741	I4BD040400	SUMATRIPTAN : SYSTEM SUITABILITY MIXTURE FOR IMPURITY AT RRT 1.2	NA		
8506701	8506701	SUMATRIPTAN FOR SYSTEM SUITABILITY CRS	NA		
8507196	8507196	SUMATRIPTAN SUCCINATE RELATED COMPOUND A	 <p>3-[2-(Dimethylamino)ethyl]-2-[[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl]methyl]-1H-indol-5-yl]-N-methylmethanesulfonamide</p>		

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
	I3BD040400	SUMATRIPTAN SUCCINATE Ph.Eur. IMPURITY-H	 <p>[3-[2-(dimethylamino)ethyl]-1-[[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl]methyl]-1H-indol-5-yl]-N-methylmethanesulfonamide</p>		
8500045	IABD011500	DESLORATADINE : LORATADINE IMPURITY (IH : IMP-A,USP-LORATIDINE,EP/Ph.Eur.: IMPURITY-C)		Cas No : 79794-75-5	
8500115	IBBD011500	DESLORATADINE : N-METHYL PIPERIDINYL COMPOUND (IH : IMP-B)		Cas No : 38092-89-6	
8500179	ICBD011500	DESLORATADINE : ENDOCYCLIC OLEFIN IMPURITY (IH : IMP-C,BP/Ph.Eur.: IMP-B,USP : RELATED COMPOUND-B FREE ACID)		CAS No: 432543-89-0	
8500237	IDBD011500	DESLORATADINE : N-FORMYL IMPURITY (IH : IMP-D,USP-RELATED COMPOUND -F)		CAS No.: 117810-61-4	
8502547	I1BD011500	DESLORATADINE : SYSTEM SUITABILITY MIXTURE	NA		



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8506253	8506253	DESLORATADINE : DESCHLORO IMPURITY [USP – DESCHLORO DESLORATADINE/N-DESMETHYL AZATADINE]		CAS No 38092-95-4	
8502313	RSBD011500	DESLORATADINE (REFERENCE STANDARD)		CAS No.: 100643-71-8	Discontinue due to official std available in Pharmacopeia
8500055	IABD018700	FLUVOXAMINE IMPURITY-A (IH,BP,Ph. Eur.:IMP-A / USP:IMPURITY-VI)		Cas No : 1217216-82-4	
8500121	IBBD018700	FLUVOXAMINE Z-ISOMER IMPURITY (IH,BP,Ph. Eur.:IMP-B / USP:IMPURITY-III)		Cas No : 89035-92-7	
8500187	ICBD018700	FLUVOXAMINE ADDUCT IMPURITY (IH,BP,Ph. Eur.:IMP-C / USP : IMPURITY-I)		Cas No : 259526-43-7	
8500246	IDBD018700	FLUVOXAMINE VALEROPHENONE IMPURITY (IH,BP,Ph. Eur.:IMP-D / USP : IMPURITY-VIII)		Cas No : 61718-80-7	



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8500456	IEBD018700	FLUVOXAMINE DESFLUORO IMPURITY (IH,BP,Ph. Eur.:IMP-E)		Cas No : 1217214-94-2	
8500319	IFBD018700	FLUVOXAMINE IMPURITY-F (IH,BP,Ph. Eur.:IMP-F / USP: IMPURITY-II)		Cas No : 1217262-11-7	
8500466	IGBD018700	FLUVOXAMINE IMPURITY-G (IH:IMP-G)			
8500471	IHBD018700	FLUVOXAMINE OXIME IMPURITY (IH :IMP-H / EP-IMP-I, USP : IMPURITY-VII)		Cas No : 61747-22-6	
8504369	I1BD018700	FLUVOXAMINE PH. EUR. IMPURITY G / DESMETHYL FLUVOXAMINE		Cas No : 192876-02-1	
8504370	I2BD018700	FLUVOXAMINE PH. EUR. IMPURITY J		Cas No : 1217241-15-0	

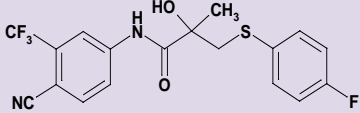
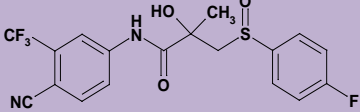
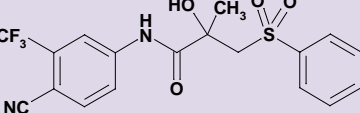
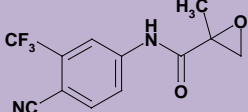


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8505055	I4BD0187O0	FLUVOXAMINE FOR SYSTEM SUITABILITY CRS	NA		
8500039	IABD0049O0	BICALUTAMIDE : IMPURITY-A (IH : IMP-A ,EP-IMP-J]	 <p>(±)-N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)thio]-2-hydroxy-2-methylpropanamide.</p>	Cas No : 90356-78-8	
8500107	IBBD0049O0	BICALUTAMIDE : IMPURITY-B [IH : IMP-B,USP : REL. COMP.-A,EP-IMP-E]	 <p>(±)-N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulfinyl]-2-hydroxy-2-methylpropanamide.</p>	Cas No : 945419-64-7	
8500171	ICBD0049O0	BICALUTAMIDE : IMPURITY-C [IH : IMP-C,USP : DES-FLUORO ANALOG, EP-IMP-A]	 <p>(±)-N-[4-cyano-3-(trifluoromethyl)phenyl]-2-hydroxy-2-methyl-3-(phenylsulfonyl)propanamide.</p>	Cas No : 90357-05-4	
8500233	IDBD0049O0	BICALUTAMIDE : EPOXIDE IMPURITY (IH : IMP-D)	 <p>N-(4-Cyano-3-(trifluoromethyl)phenyl)-2-methyloxirane-2-carboxamide</p>	Cas No : 90357-51-0	

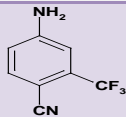
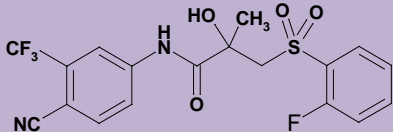
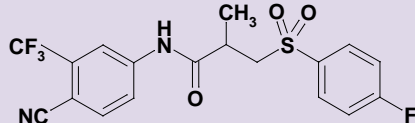
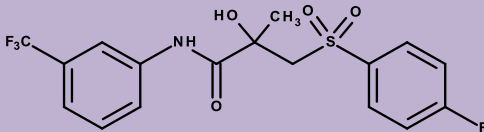
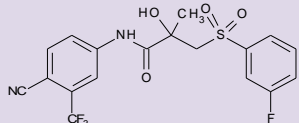


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500280	IEBD004900	BICALUTAMIDE : CYANOANILINE IMPURITY [IH : IMP-E, EP-IMP-D]	 <p>1-(3-Dimethylamino propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carboxylic acid amide</p>	Cas No : 654-70-6	
8500311	IFBD004900	BICALUTAMIDE : IMPURITY-F [IH : IMP-F, USP : 2-FLUORO ISOMER , EP-IMP-B]	 <p>(RS)-4'-Cyano-3-(2-fluorophenylsulfonyl)-2-hydroxy-2-methyl-3'-(trifluoromethyl)propionanilide</p>	Cas No : 1159977-36-2	
8500337	IGBD004900	BICALUTAMIDE : IMPURITY-G [IH : IMP-G ,USP : DES-HYDROXY ANALOG , EP-IMP-C]	 <p>(±)-N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulfonyl]-2-methylpropanamide</p>	Cas No : 906008-94-4	
8505969	8505969	BICALUTAMIDE : DES-CYANO IMPURITY ( IH : IMP-H)	 <p>N-[3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulfonyl]-2-hydroxy-2-methylpropanamide  <b>[OR]</b>            3-(4-fluorophenyl)sulfonyl-2-hydroxy-2-methyl-N-[3-(trifluoromethyl)phenyl]propanamide</p>	Cas No : 338424-61-6	
8500005	I1BD00490A	BICALUTAMIDE : 3-FLUORO ISOMER IMPURITY (USP : RELATED COMPOUND-B)	 <p>(RS)-N-[4-cyano-3-(trifluoromethyl)phenyl]-3-(3-fluorophenyl)sulfonyl-2-hydroxy-2-methylpropanamide</p>	Cas No : 1166228-30-3	

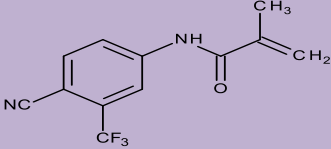
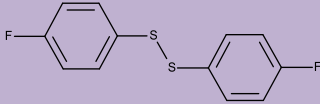
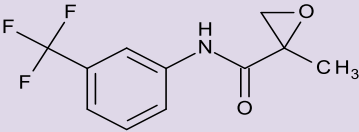
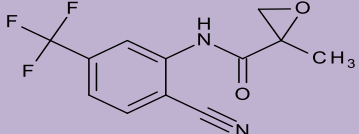


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
			fluorophenylsulfonyl)-2-hydroxy-2-methylpropanamide		
8502837	IARA21505	N-[4-CYANO-3-(TRIFLUOROMETHYL)PHENYL]-2-METHYL-2-OXIRANE CARBOXAMIDE IMPURITY A		Cas No : 90357-53-2	
8504522	I4BD004900	BICALUTAMIDE FOR SYSTEM SUITABILITY EP	NA	Cas No : 90357-06-5	
8500858	IIRA21032	BIS(4-FLUOROPHENYL) DISULFIDE		Cas No : 405-31-2	
8505646	8505646	DES-CYANO OXIRANE IMPURITY		Cas No : 338424-38-7	
8505693	8505693	OXIRANE IMPURITY B		NA	

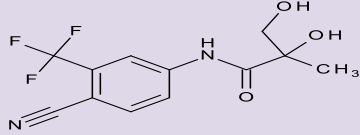
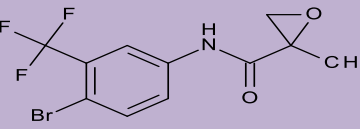
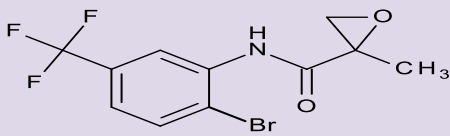
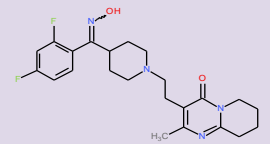
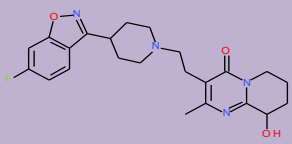


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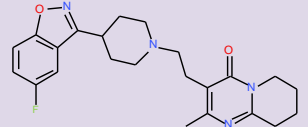
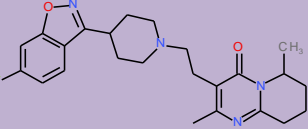
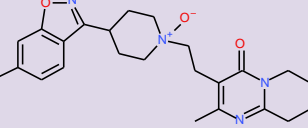
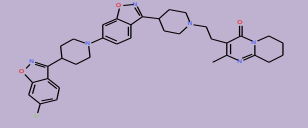
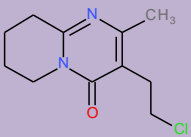
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505694	8505694	OXIRANE IMPURITY C		Cas No : 316373-92-9	
8505695	8505695	OXIRANE IMPURITY D		NA	
8505692	8505692	OXIRANE IMPURITY E		NA	
8506549	8506549	OXIRANE SST (SYSTEM SUITABILITY MIXTURE OF OXIRANE AND OXIRANE IMPURITY A,B,C,D,E AND DES-CYANO OXIRANE)	NA	NA	
8500151	IBBD037700	RISPERIDONE : Z-OXIME IMPURITY (IH/BP/Ph.Eur. : IMPURITY-B, USP : IMPURITY-2)		Cas No : 132961-05-8	
8500214	ICBD037700	RISPERIDONE: 9-HYDROXYRISPERIDONE (IH/BP/PH.EUR.:IMPURITY-C, USP: IMPURITY-3)		Cas No : 144598-75-4	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500268	IDBD037700	RISPERIDONE: 5-FLUORORISPERIDONE (IH/BP/PH.EUR.: IMPURITY-D, USP: IMPURITY-4)		Cas No : 1199589-74-6	
8500304	IEBD037700	RISPERIDONE: 6-METHYLRISPERIDONE (IH/BP/PH.EUR.: IMPURITY-E, USP: IMPURITY-5)		Cas No : 1346602-28-5	
8503087	IFBD037700	RISPERIDONE: N-OXIDE IMPURITY(IH: IMPURITY-F)			
8500353	IGBD037700	RISPERIDONE: DIMER IMPURITY(IH: IMPURITY-G)			
8506175	8506175	RISPERIDONE SYSTEM SUITABILITY MIXTURE	NA		
8502567	I1BD037700	RISPERIDONE : IMPURITY-1A (IH : IMPURITY-1A,EP-IMP-L) (STAGE-II)		CAS No : 93076-03-0	

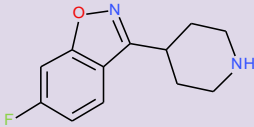
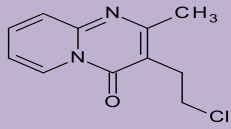
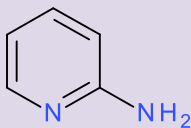
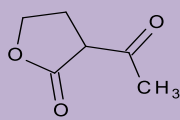
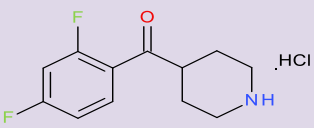
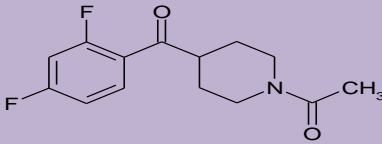


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8502664	I2BD037700	RISPERIDONE : IMPURITY-1B (IH : IMPURITY-1B,EP-IMP-L) (STAGE-VI)		CAS No : 84163-13-3	
8502835	IARA21187	3-(2-CHLOROETHYL)-2-METHYL-6,7,8,9-TETRAHYDROPYRIDO-[1,2-A]-PYRIMIDIN-4-ONE HYDROCHLORIDE: IMPURITY-A		Cas No : 41078-70-0	
8502907	IBRA21187	3-(2-CHLOROETHYL)-2-METHYL-6,7,8,9-TETRAHYDROPYRIDO-[1,2-A]-PYRIMIDIN-4-ONE HYDROCHLORIDE: IMPURITY-B		Cas No : 504-29-0	
8502965	ICRA21187	3-(2-CHLOROETHYL)-2-METHYL-6,7,8,9-TETRAHYDROPYRIDO-[1,2-A]-PYRIMIDIN-4-ONE HYDROCHLORIDE: IMPURITY-C		Cas No : 517-23-7	
8502836	IARA21443	6-FLUORO-3-(4-PIPERIDINYL)-1,2-BENZISOXAZOLE HYDROCHLORIDE : IMPURITY-A		Cas No : 106266-04-0	
8502908	IBRA21443	6-FLUORO-3-(4-PIPERIDINYL)-1,2-BENZISOXAZOLE HYDROCHLORIDE : IMPURITY-B		Cas No : 84162-82-3	

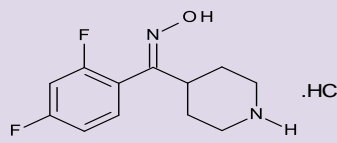
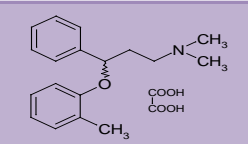
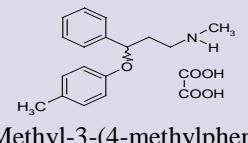
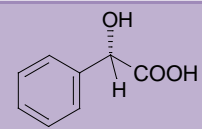
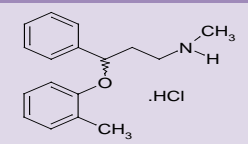


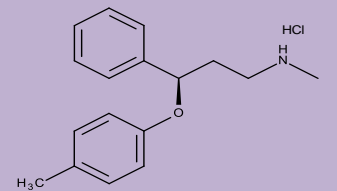
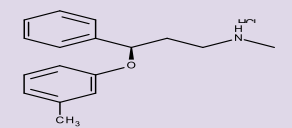
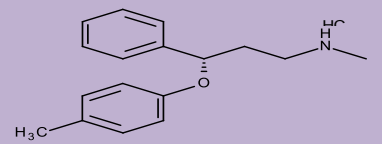
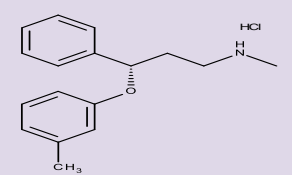
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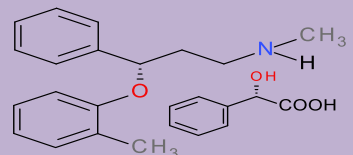
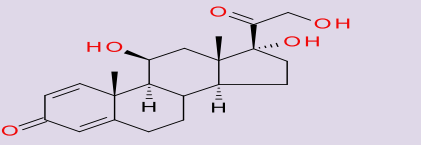
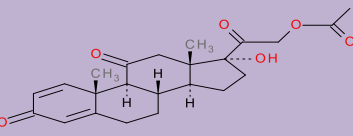
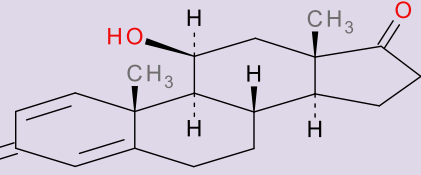
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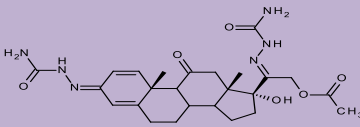
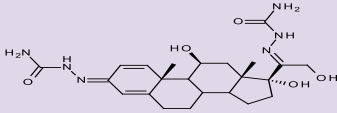
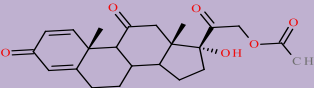
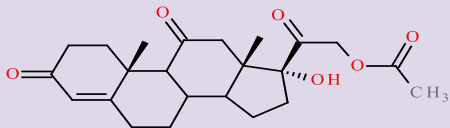
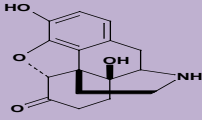
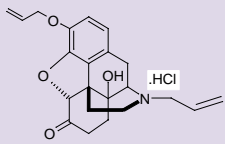
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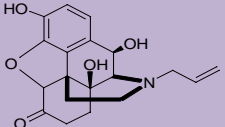
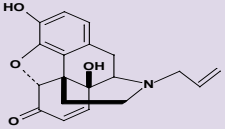
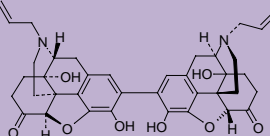
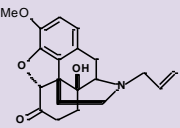
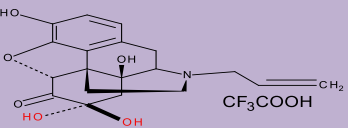
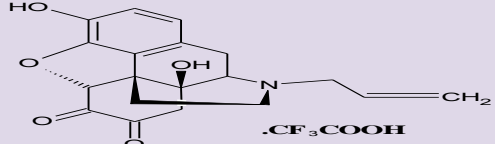
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8502966	ICRA21443	6-FLUORO-3-(4-PIPERIDINYL)-1,2-BENZISOXAZOLE HYDROCHLORIDE : IMPURITY-C		Cas No : 106266-04-0	
8500038	IABD003300	ATOMOXETINE HYDROCHLORIDE: IMPURITY-A (IH:IMPURITY-A) (STAGE-III)	 <p>(±)-N,N-Dimethyl-3-(2-methylphenoxy)-3-phenylpropylamine oxalate.</p>		
8500106	IBBD003300	ATOMOXETINE HYDROCHLORIDE: IMPURITY-B (IH:IMPURITY-B)	 <p>(±)-N-Methyl-3-(4-methylphenoxy)-3-phenylpropylamine oxalate</p>		
8500170	ICBD003300	ATOMOXETINE HYDROCHLORIDE: IMPURITY C (IH:IMPURITY-C)	 <p>S(+)-Mandelic acid</p>	CAS No : 17199-29-0	
8500232	IDBD003300	ATOMOXETINE HYDROCHLORIDE: RACEMATE IMPURITY (IH:IMPURITY-D)	 <p>(±)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropylamine hydrochloride</p>		

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
	I1BD003300	ATOMOXETINE RELATED COMPOUND C (R-ISOMER)	 <p>(3R)-N-Methyl-3-(4-methylphenoxy)-3-phenyl-propan-1-amine hydrochloride</p>		
8503436	I2BD003300	ATOMOXETINE RELATED COMPOUND B (R-ISOMER)	 <p>(3R)-N-Methyl-3-(3-methylphenoxy)-3-phenyl-propan-1-amine hydrochloride</p>		
8503464	I3BD003300	ATOMOXETINE RELATED COMPOUND C (S-ISOMER)	 <p>(3S)-N-Methyl-3-(4-methylphenoxy)-3-phenyl-propan-1-amine hydrochloride</p>		
	I4BD003300	ATOMOXETINE RELATED COMPOUND B (S-ISOMER)	 <p>(3S)-N-Methyl-3-(3-methylphenoxy)-3-phenyl-propan-1-amine hydrochloride</p>		

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8507592	RSRI00036A	ATOMOXETINE HYDROCHLORIDE STAGE-V (REFERENCE STANDARD)	 <p>(R)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropylamine (S)-(+)-mandelic acid salt</p>		
8505136	IABD035000	PREDNICARBATE : PREDNISOLONE IMPURITY (IH/BP/Ph.Eur. : IMPURITY-A)	 <p>(9S,10R,11S,13S,14S,17R)-11,17-dihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-7,8,9,11,12,14,15,16-octahydro-6H-cyclopenta[a]phenanthren-3-one</p>	CAS Number: 50-24-8	
8504767	IFBD035100	PREDNISOLONE ACETATE : 11-KETO IMPURITY (PREDNISONE ACETATE) (IH : IMPURITY-F)	 <p>[2-[(8S,9S,10R,13S,14S,17R)-17-hydroxy-10,13-dimethyl-3,11-dioxo-6,7,8,9,12,14,15,16-octahydrocyclopenta[a]phenanthren-17-yl]-2-oxo-ethyl] acetate</p>	CAS Number: 125-10-0	
8504768	IGBD035100	PREDNISOLONE ACETATE : 17-KETO IMPURITY (IH : IMPURITY-G)	 <p>(8S,9S,10R,11S,13S,14S)-11-hydroxy-10,13-dimethyl-7,8,9,11,12,14,15,16-octahydro-6H-cyclopenta[a]phenanthrene-3,17-dione</p>	CAS Number: 898-84-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503403	IOBD035100	PREDNISOLONE : CONDENSATION IMPURITY (IH : IMPURITY-O)			
8503404	IPBD035100	PREDNISOLONE : REDUCTION IMPURITY (IH : IMPURITY-P)			
8503376	IQBD035100	PREDNISOLONE : PREDNISONE ACETATE IMPURITY (IH : IMPURITY-Q)		CAS Number: 125-10-0	
8503392	IRBD035100	PREDNISOLONE : CORTISONE ACETATE IMPURITY (IH : IMPURITY-R)		CAS Number: 50-04-4	
8502802	IABD029400	NALOXONE HYDROCHLORIDE: NOROXYMORPHONE IMPURITY (IH/BP/Ph.Eur.: IMPURITY-A, USP: NOROXYMORPHONE)		Cas No : [33522- 95-1]	
8502871	IBBD029400	NALOXONE HYDROCHLORIDE: IMPURITY-B (IH/BP/Ph.Eur.: IMP-B)		CAS. No. 1352085-46-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501489	ICBD02940 A	NALOXONE HYDROCHLORIDE : 10(ALPHA) - HYDROXYNALOXONE (IH/PH. EUR. : IMPURITY- C) (AS TFA SALT)			
8501849	IDBD029400	NALOXONE HYDROCHLORIDE: 7,8- DIDEHYDRONALOXONE (IH/BP/Ph.Eur.: IMP-D)			
8503050	IEBD029400	NALOXONE HYDROCHLORIDE: 2,2'- BINALOXONE (IH/BP/Ph.Eur.: IMP-E)			
8500347	IGBD029400	NALOXONE HYDROCHLORIDE: IMPURITY-G (IH/Ph.Eur.: IMP-G)			
8501780	IHBD029400	NALOXONE HYDROCHLORIDE : IMPURITY-H (IH: IMP-H)			
8503355	IIBD029400	NALOXONE HYDROCHLORIDE : IMPURITY-I (IH: IMP-I)			

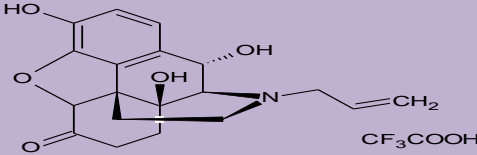


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8506500	8506500	NALOXONE HCL : 10-BETA HYDROXY NALOXONE [EP : IMPURITY-F] (AS TFA SALT)		Cas No : 2139253-69-1.	
8506769	8506769	NALOXONE FOR PEAK IDENTIFICATION CRS	NA		
8500761	GRSBD0241 O	LEUPROLIDE ACETATE (GLOBAL REFERENCE STANDARD)	pGlu-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt	Cas No : 74381- 53-6	GRS / Impurities- PEPTIDE
8501133	IABD0241O0	4-D-SERINE LEUPROLIDE ACETATE (USP :4-D- SERINE LEUPROLIDE IH,BP,Ph.Eur.: IMPURITY- A)	pGlu-His-Trp-D-Ser-Tyr-D-Leu-Leu-Arg-Pro- NHEt		
8501134	IBBD0241O0	2-D-HISTIDINE LEUPROLIDE ACETATE (USP :2- D-HISTIDINE LEUPROLIDE IH,BP,Ph.Eur: IMPURITY-B)	pGlu-D-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro- NHEt		
8501137	ICBD0241O0	6-L-LEUCINE LEUPROLIDE ACETATE (USP :6-L- LEUCINE LEUPROLIDE IH,BP,Ph.Eur : IMPURITY- C)	pGlu-His-Trp-Ser-Tyr-Leu-Leu-Arg-Pro-NHEt		



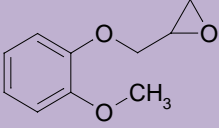
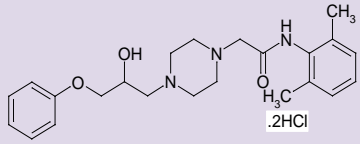


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8501138	IDBD024100	[4-(O-ACETYL-L-SERINE)] LEUPROLIDE ACETATE (USP:[4-(O-ACETYL-L-SERINE)] LEUPROLIDE IH,BP,Ph.Eur :IMPURITY-D)	pGlu-His-Trp-Ser(Acetyl)-Tyr-D-Leu-Leu-Arg-Pro-NHEt		
8501136	I1BD024100	pGlu-His-Trp-OH (IH : LEUPROLIDE IMPURITY)	NA		
8501135	I2BD024100	Des-pGlu-Leuprolide (IH : LEUPROLIDE IMPURITY)	NA		
8502707	I3BD024100	H-6P(4-9)-NHEt (IH :LEUPROLIDE IMPURITY)	NA		
8501054	IABD036700	RANOLAZINE : IMPURITY-A (IH/USP : RELATED COMPOUND-A) / STAGE-I		Cas No : 2210-74-4	
8501055	IBBD036700	RANOLAZINE : IMPURITY-B (IH/USP : RELATED COMPOUND-B)		Cas No : 755711-09-2	

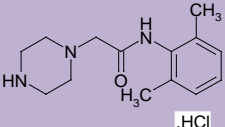
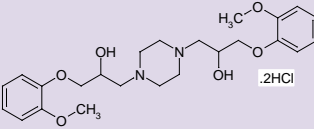
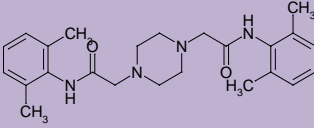
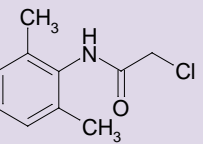
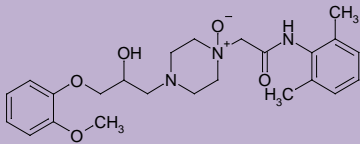
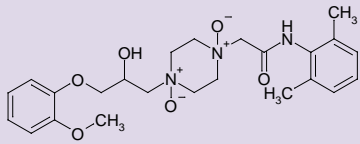


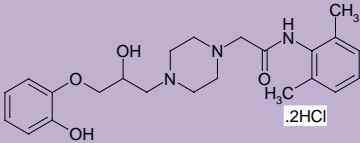
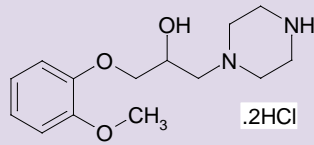
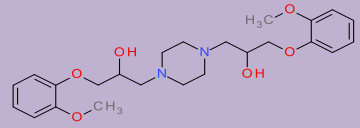
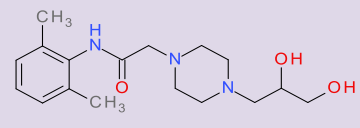
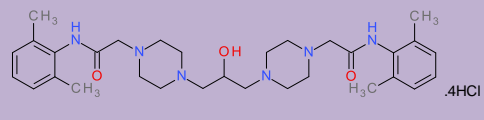
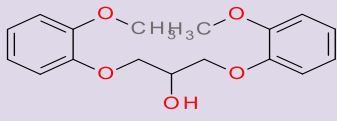
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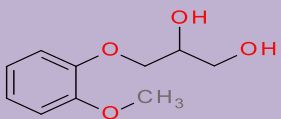
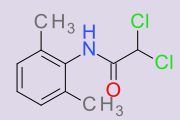
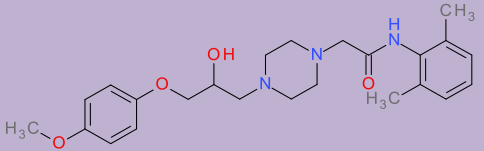
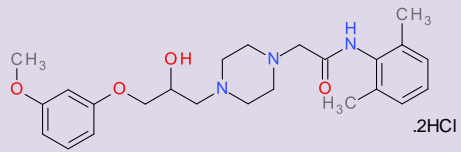
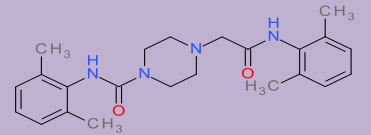
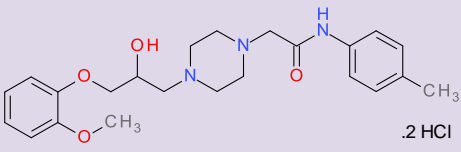
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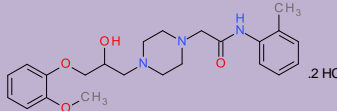

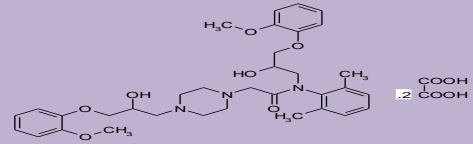
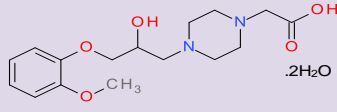
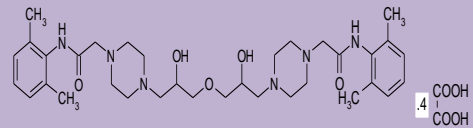
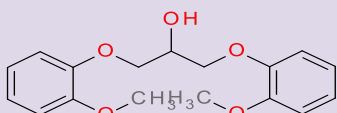
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501056	ICBD036700	RANOLAZINE : IMPURITY-C (IH/USP : RELATED COMPOUND C)	 <p>.HCl</p>	Cas No : 5294-61-1	
8501057	IDBD036700	RANOLAZINE : IMPURITY-D (IH : IMP-D)	 <p>.2HCl</p>	Cas No : 333749-57-8	
8501058	IEBD036700	RANOLAZINE : IMPURITY-E (IH : E/USP : RELATED COMPOUND D)		Cas No : 380204-72-8	
8501059	IFBD036700	RANOLAZINE : IMPURITY-F (IH : IMPURITY-F) / STAGE-IIA		Cas No : 1131-01-7	
8501060	IGBD036700	RANOLAZINE : N-OXIDE (IH : IMPURITY-G)			
8501061	IHBD036700	RANOLAZINE : BIS-N-OXIDE (IH : IMPURITY-H)		Cas No : 1246816-00-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501062	IIBD036700	RANOLAZINE : IMPURITY-I (IH : IMPURITY-I)			
8501063	IJBD036700	RANOLAZINE : IMPURITY-J (IH : IMPURITY-J)			
8501336	ILBD036700	RANOLAZINE : IMPURITY-L (IH : IMPURITY-L)			
8501364	IMBD036700	RANOLAZINE : IMPURITY-M (IH : IMPURITY-M)			
8501549	INBD036700	RANOLAZINE : IMPURITY-N (IH : IMPURITY-N)			
8501583	IOBD036700	RANOLAZINE : IMPURITY-O (IH : IMPURITY-O / USP : DIANISYLGLYCEROL)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502841	IARI00402A	RANOLAZINE : IMPURITY-P (IH : IMPURITY-P/USP : GUAIFENESIN) / RANOLAZINE STAGE-I : IMPURITY-A (IH : IMPURITY-A)		Cas No : 93-14-1	
8501790	IZBD036700	RANOLAZINE : IMPURITY-Z (IH : IMPURITY-Z)			
8501655	IQBD036700	RANOLAZINE : IMPURITY-Q (IH : IMPURITY-Q / USP : P-RANOLAZINE)			
8501654	IRBD036700	RANOLAZINE : IMPURITY-R (IH : IMPURITY-R / USP : M-RANOLAZINE)			
8501653	ITBD036700	RANOLAZINE : IMPURITY-T (IH : IMPURITY-T)			
8501787	IVBD036700	RANOLAZINE : IMPURITY-V (IH : IMPURITY-V)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501788	IWBD036700	RANOLAZINE : IMPURITY-W (IH : IMPURITY-W)			
8501789	IXBD036700	RANOLAZINE : IMPURITY-X (IH : IMPURITY-X)		CAS No. : 35891-83-9	
8501784	IAABD03670	RANOLAZINE : IMPURITYAA (IH : IMPURITY-AA)			
8501785	IABBD03670	RANOLAZINE : IMPURITYAB (IH : IMPURITY-AB)			
8502221	IACBD03670	RANOLAZINE : IMPURITY-AC (IH : IMPURITY-AC / USP : ETHER DIMER)			
8502970	ICRI00402A	RANOLAZINE STAGE-I : IMPURITY-C (IH : IMPURITY-C)			



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8500965	IABD062400	PEMETREXED DISODIUM HEPTAHYDRATE: IMPURITY-A (IH: IMPURITY-A)		CAS : 137281-39-1	
8501123	IBBD062400	PEMETREXED DISODIUM HEPTAHYDRATE: IMPURITY-B (IH: IMPURITY-B)(STAGE-I)		CAS : 146943-43-3	
8501124	ICBD062400	PEMETREXED DISODIUM HEPTAHYDRATE: IMPURITY-C (IH: IMPURITY-C)		CAS : 146943-43-3	
8501125	IDBD062400	PEMETREXED DISODIUM HEPTAHYDRATE: IMPURITY-D (IH: IMPURITY-D)			
8500460	IEBD062400	PEMETREXED DISODIUM HEPTAHYDRATE: IMPURITY-E [ IH: IMP-E / USP : N-METHYL PEMETREXED/ Ph.Eur.: IMP-A )		CAS : 869791-42-4	
8500465	IFBD062400	PEMETREXED DISODIUM HEPTAHYDRATE IMPURITY F [IH-IMP-F] / KETO PEMETREXED		CAS : 193281-00-4	

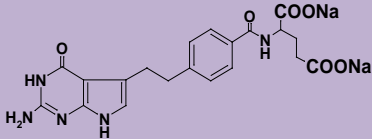
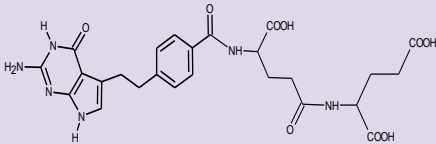
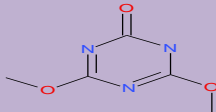
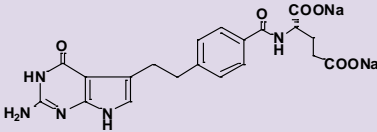


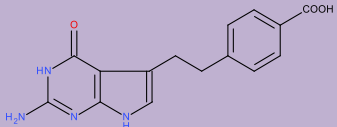
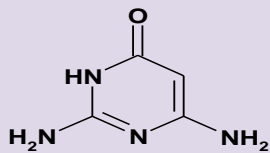
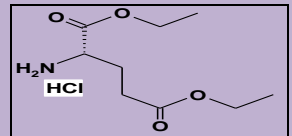
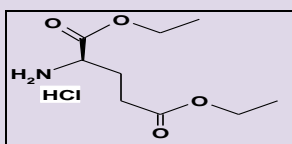
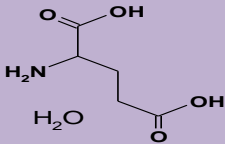
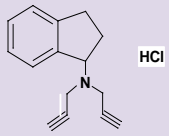
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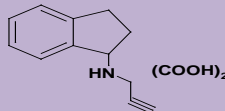
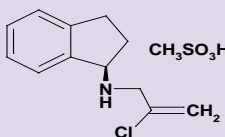
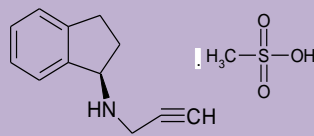
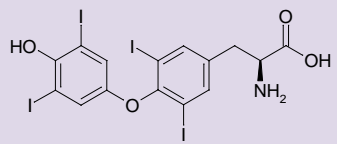
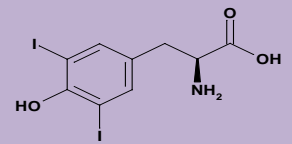
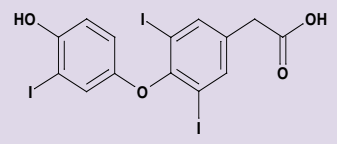
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501705	I1BD062400	PEMETREXED DISODIUM RACEMIC [FOR R-ISOMER CONTENT] / [EP : IMP-E (R-ISOMER)]		CAS : 182009-04-7	
8502111	I1BD062400	PEMETREXED DISODIUM HEPTAHYDRATE : IMPURITY-I [IH : IMP-I, PH. EUR. : IMP-D / USP : PEMETREXED GLUTAMIDE]		CAS : 144051-68-3	
8502222	I2BD062400	PEMETREXED FOR SYSTEM SUITABILITY MIXTURE	NA		
8502299	IJBD062400	PEMETREXED DISODIUM HEPTAHYDRATE : IMPURITY-J [IH : IMP-J] / PH. EUR. : IMP-B + C MIXTURE	NA	CAS : 1644286-34-9	
8502619	I1RI00370A	4,6-DIMETHOXY-1H-1,3,5-TRIAZINE-2-ONE		CAS Number 1075-59-8	
8502345	RSBD062400	PEMETREXED DISODIUM HEPTAHYDRATE (REFERENCE STANDARD)		CAS Number 357166-29-1	Discontinue due to official std available in Pharmacopeia

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503255	RSRA21208	4-[2-(2-AMINO-4,7-DIHYDRO-4-OXO-1H-PYRROLO [2,3-D] PYRIMIDIN-5-YL)ETHYL] BENZOIC ACID (REFERENCE STANDARD)		CAS Number 137281-39-1	
8503022	IDRA21208	4-[2-(2-AMINO-4,7-DIHYDRO-4-OXO-1H-PYRROLO-[2,3-d]-PYRIMIDIN-5-YL)-ETHYL]-BENZOIC ACID : IMPURITY- D [IH : IMPURITY – D]		CAS Number 56-06-4	
8502384	RSRA21306	L-GLUTAMIC ACID DIETHYL ESTER HYDROCHLORIDE (REFERENCE STANDARD)		CAS Number 1118-89-4	
8502586	IIRA21306	D-GLUTAMIC ACID DIETHYL ESTER HYDROCHLORIDE		CAS Number 1001-19-0	
8502671	I2RA21306	DL-GLUTAMIC ACID MONOHYDRATE		CAS Number 19285-83-7	
8500969	IBBD036800	RASAGILINE MESYLATE IMPURITY-B (IH : IMP-B)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500970	ICBD036800	RASAGILINE MESYLATE : RACEMIC IMPURITY (IH : IMP-C)			
8502999	IDBD036800	RASAGILINE MESYLATE IMPURITY-D (IH : IMP-D)			
8502329	RSBD036800	RASAGILINE MESYLATE (REFERENCE STANDARD)		Cas No : 161735-79-1	
8502801	IABD024800	LIOETHYRONINE SODIUM LEVOTHYROXINE IMPURITY (IH , Ph. Eur. : IMP-A / USP : LEVOTHYROXINE IMPURITY)		Cas No : 51-48-9	
8502869	IBBD024800	LIOETHYRONINE SODIUM 3,5-DIIODO-L-TYROSINE DIHYDRATE IMPURITY (IH , Ph. Eur. : IMP-B)		Cas No : 18835-59-1	
8502938	ICBD024800	LIOETHYRONINE SODIUM /LEVOTHYROXINE SODIUM TRIIODOTHYROACETIC ACID IMPURITY (IH , Ph. Eur. : IMP-C) (USP: T3-ACETIC ACID)		Cas No : 51-24-1	



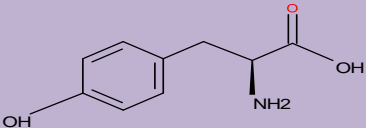
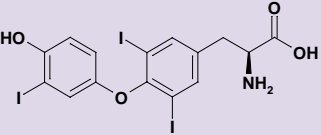
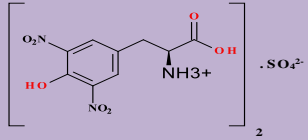
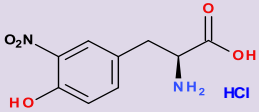
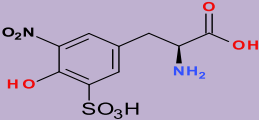
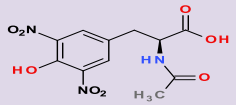
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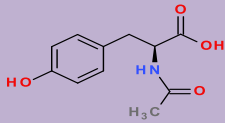
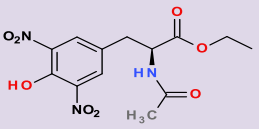
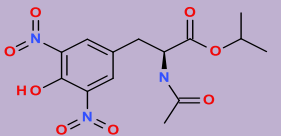
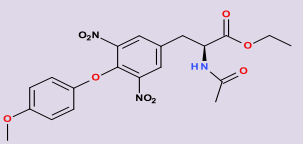
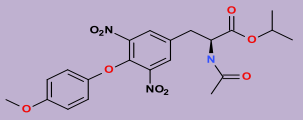
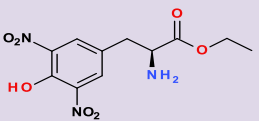
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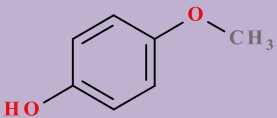
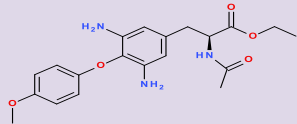
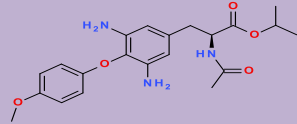
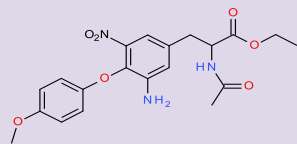
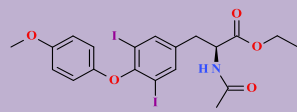
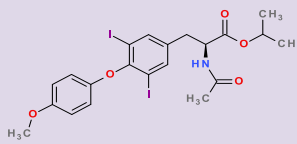
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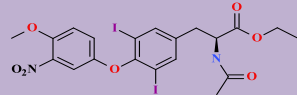
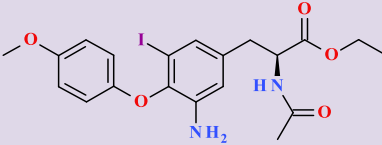
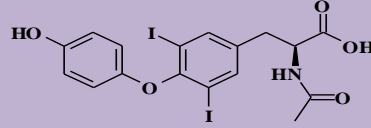
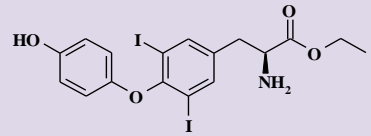
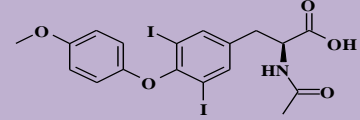
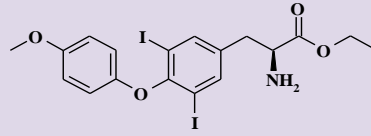
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502995	IDBD024800	LIOETHYRONINE SODIUM /LEVOTHYROXINE SODIUM:TETRAIODOTHYROACETIC ACID IMPURITY(IH , Ph. Eur. : IMP-D)(USP: T4-ACETIC ACID)		CAS No: 67-30-1	
8503048	IEBD024800	LIOETHYRONINE SODIUM/ LEVOTHYROXINE SODIUM:3,5-DIIODO-L-TYROSINE IMPURITY (IH,Ph. Eur.:IMP-E, DIIODOTHYRONINE)/ RM/STAGE-G		CAS No : 1041-01-6	
8503085	IFBD024800	LIOETHYRONINE SODIUM MONOiodo THYROACETIC ACID IMPURITY (IH : IMP-F)		CAS No : 60578-17-8	
8503123	IGBD024800	LIOETHYRONINE SODIUM /LEVOTHYROXINE SODIUM: DIIODOTHYROACETIC ACID (IH : IMP-G)			
8503150	IHBD024800	LIOETHYRONINE SODIUM 3-iodo-L-TYROSINE (IH : IMP-H)		Cas No : 70-78-0	
8503180	IIBD024800	LIOETHYRONINE SODIUM: O-METHYL IMPURITY (IH: IMP-I)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503259	RSRA21802	L-TYROSINE (REFERENCE STANDARD)		CAS No 60-18-4	
8503265	RSRI00285A	LIOETHYRONINE SODIUM STAGE-I / LIOETHYRONINE FREE ACID (REFERENCE STANDARD)			
8503266	RSRI00886A	LIOETHYRONINE SODIUM STAGE-A (REFERENCE STANDARD)		Cas No : 71876- 88-5	
8502634	I1RI00886A	LIOETHYRONINE SODIUM STAGE-A : MONONITRO IMPURITY		Cas No : 621-44- 3	
8502697	I2RI00886A	LIOETHYRONINE SODIUM STAGE-A : SULFONIC ACID IMPURITY		NA	
8503267	RSRI00887A	LIOETHYRONINE SODIUM STAGE-B ( Reference standard)		Cas No : 20767- 00-4	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502635	IIRI00887A	LIOETHYRONINE SODIUM STAGE-B : N-ACETYL L-TYROSINE IMPURITY		Cas No : 537-55-3	
8503268	RSRI00888A	LIOETHYRONINE SODIUM STAGE-C (REFERENCE STANDARD)		Cas No : 29358-99-4	
8502636	IIRI00888A	LIOETHYRONINE SODIUM STAGE-C : ISOPROPYL ESTER IMPURITY		NA	
8503269	RSRI00889A	LIOETHYRONINE SODIUM STAGE-D (REFERENCE STANDARD)		NA	
8502637	IIRI00889A	LIOETHYRONINE SODIUM STAGE-D : ISOPROPYL ESTER IMPURITY		NA	
8502971	ICRI00889A	LIOETHYRONINE SODIUM STAGE-D : N-DESACETYL STAGE-C IMPURITY		NA	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503261	RSRA22061	4-METHOXYPHENOL (REFERENCE STANDARD)		Cas No : 150-76-5	
8503270	RSRI00890A	LIOETHYRONINE SODIUM STAGE-E (REFERENCE STANDARD)		Cas No : 440667-78-7	
8502638	I1RI00890A	LIOETHYRONINE SODIUM STAGE-E : ISOPROPYL ESTER IMPURITY		NA	
8502698	I2RI00890A	LIOETHYRONINE SODIUM STAGE-E : MONONITRO IMPURITY		NA	
8503271	RSRI00891A	LIOETHYRONINE SODIUM STAGE-F (REFERENCE STANDARD)		Cas No : 83249-56-3	
8505786	I1RI00891A	LIOETHYRONINE SODIUM STAGE-F : ISOPROPYL ESTER IMPURITY		NA	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502699	I2RI00891A	LIOETHYRONINE SODIUM STAGE-F : 3'-NITRO IMPURITY STAGE-F		NA	
8502735	I3RI00891A	LIOETHYRONINE SODIUM STAGE-F : MONO IODO MONO AMINE IMPURITY STAGE-F		NA	
8502639	I1RI00892A	LIOETHYRONINE SODIUM STAGE-G : N-ACETYL IMPURITY		NA	
8502700	I2RI00892A	LIOETHYRONINE SODIUM STAGE-G : ETHYL ESTER IMPURITY		NA	
8502736	I3RI00892A	LIOETHYRONINE SODIUM STAGE-G : DES ESTER STAGE-F IMPURITY		NA	
8502755	I4RI00892A	LIOETHYRONINE SODIUM STAGE-G : N-DESACETYL STAGE-F IMPURITY		NA	



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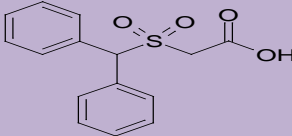
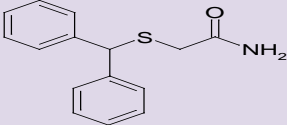
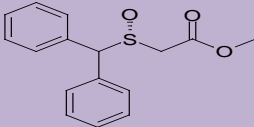
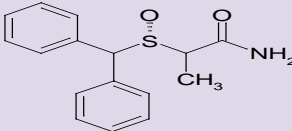
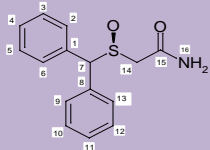
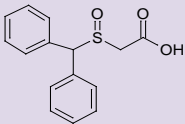
**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506394	I6RI00892A	LIOETHYRONINE SODIUM STAGE-G : DES IODO IMPURITY			
8505347	I7RI00892A	LIOETHYRONINE SODIUM STAGE-G : 3'-NITRO IMPURITY			
8506395	I8RI00892A	LIOETHYRONINE SODIUM STAGE-G : MONO IODO MONO AMINE IMPURITY			
8502781	IABD002900	ARMODAFINIL : IMPURITY-A (IH : IMPURITY-A) (STAGE I)		CAS No : 63547-24-0	
8502848	IBBD002900	ARMODAFINIL : THIOACETIC ACID IMPURITY (IH : IMPURITY-B)		CAS No : 63547-22-8	
8502916	ICBD002900	ARMODAFINIL : SULFONAMIDE IMPURITY (IH : IMPURITY-C)		CAS No 118779- 53-6	

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502976	IDBD002900	ARMODAFINIL : SULFONE ACETIC ACID IMPURITY (IH : IMPURITY-D)		CAS No 101094-05-7	
8503030	IEBD002900	ARMODAFINIL : THIOACETAMIDE IMPURITY (IH : IMPURITY-E)		Cas No : 68524-30-1	
8503070	IFBD002900	ARMODAFINIL : IMPURITY-F (IH : IMPURITY-F) (STAGE-II)			
8503110	IGBD002900	ARMODAFINIL : IMPURITY-G (IH : IMPURITY-G)			
8503142	IHBD002900	ARMODAFINIL : S-ISOMER IMPURITY (IH : IMPURITY-H)			
8502536	I1ABD00290	ARMODAFINIL : RACEMIC STAGE-I (IH : IMPURITY-1A)			



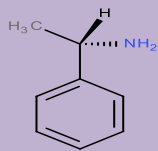
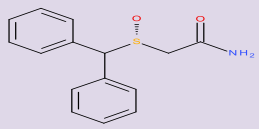
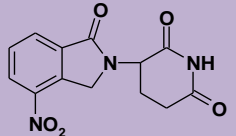
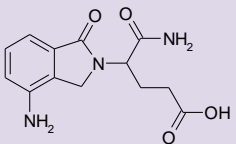
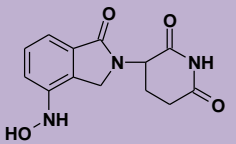
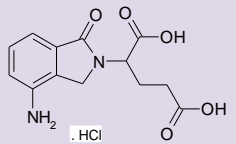


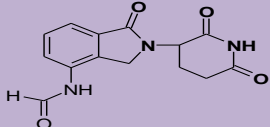
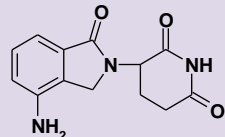
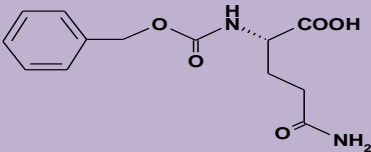
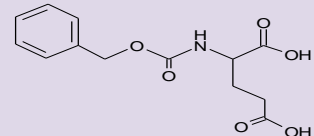
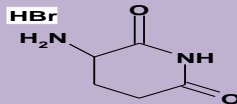
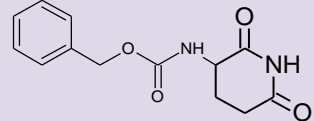
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502538	I1BBD00290	ARMODAFINIL : S-(-)-ALPHA-METHYLBENZYL AMINE / L-(-)-ALPHA-PHENYLETHYLAMINE (IH : IMPURITY-1B) (RM)			
8502304	RSBD002900	ARMODAFINIL (REFERENCE STANDARD)		CAS Number 112111-43-0	This product was Dropped hence discontinue
8501009	IABD023800	LENALIDOMIDE: IMPURITY-A (IH: IMP-A) (STAGE-III)		Cas No : 827026-45-9	
8501010	IBBD023800	LENALIDOMIDE : AMIDE- ACID IMPURITY (IH : IMPURITY - B)		Cas No : 2197414-57-4	
8501013	ICBD023800	LENALIDOMIDE: IMPURITY-C (IH: IMP-C)			
8501011	IDBD023800	LENALIDOMIDE : DIACID IMPURITY (IH : IMPURITY - D)		CAS No 295357-66-3	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501012	IEBD023800	LENALIDOMIDE : FORMYL IMPURITY (IH : IMPURITY - E)			
8502067	RSBD023800	LENALIDOMIDE (REFERENCE STANDARD)		CAS Number 191732-72-6	
8502480	RSRI00763A	LENALIDOMIDE STAGE-IA (REFERENCE STANDARD)		Cas No : 2650-64-8	
8502631	IIRI00763A	LENALIDOMIDE STAGE-IA DIACID IMPURITY		Cas No : 1155-62-0	
8502445	RSRI00268A	LENALIDOMIDE STAGE-IC (REFERENC STANDARD)		Cas No :	
8502617	IIRI00268A	LENALIDOMIDE STAGE-IB		Cas No : 22785-43-9	

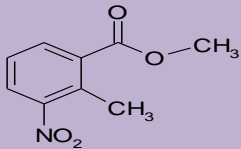
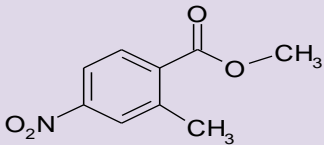
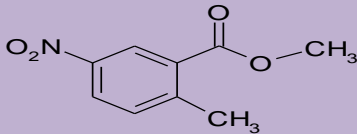
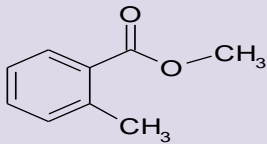

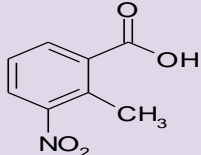


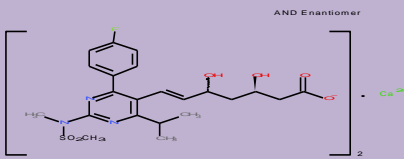
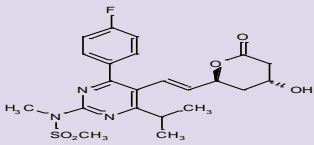
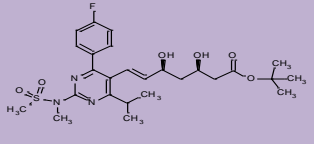
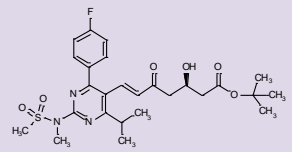
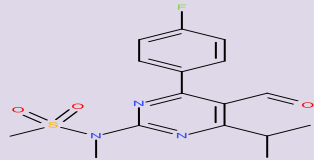
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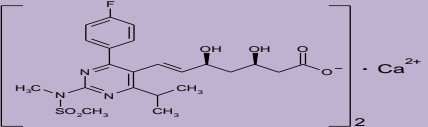
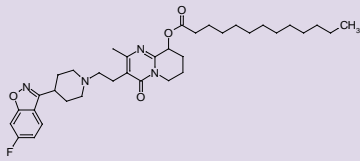
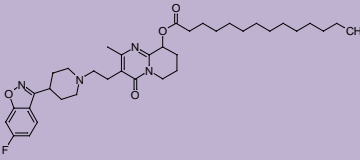
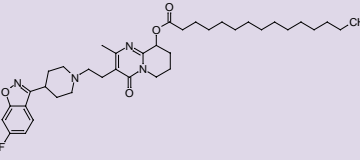
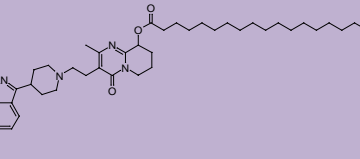
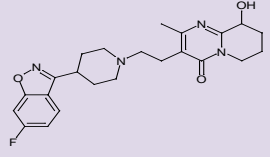
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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502501	RSRI01037A	LENALIDOMIDE STAGE-IIA (REFERENC STANDARD)		Cas No : 59382-59-1	
8500988	I1RI01037A	LENALIDOMIDE STAGE-IIA : METHYL 2-METHYL-4-NITRO BENZOATE IMPURITY		Cas No : 62621-09-4	
8500989	I2RI01037A	LENALIDOMIDE STAGE-IIA : METHYL 2-METHYL-5-NITRO BENZOATE IMPURITY		Cas No : 77324-87-9	
8500993	I3RI01037A	LENALIDOMIDE STAGE-IIA : METHYL O-TOLUATE IMPURITY		Cas No : 89-71-4	
8502446	RSRI00270A	LENALIDOMIDE STAGE-IIB (REFERENCE STANDARD)		Cas No : 98475-07-1	
8502386	RSRA21524	2-METHYL-3-NITROBENZOIC ACID (REFERENCE STANDARD)/RM FOR LENALIDOMIDE		Cas No : 1975-50-4	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502806	IABD038100	ROSUVASTATIN CALCIUM : IMPURITY-A (IH : IMP-A)(ANTI ISOMER / SYSTEM SUITABILITY)	 <p>AND Enantiomer</p>		
8502875	IBBD038100	ROSUVASTATIN CALCIUM : IMPURITY-B (IH : IMP-B) (LACTONE)			
8503002	IDBD038100	ROSUVASTATIN CALCIUM : IMPURITY-D (IH : IMP-D) / STAGE-III			
8503126	IGBD038100	ROSUVASTATIN CALCIUM : 5-KETO-3-HYDROXY IMPURITY (IH : IMP-G)			
8502621	IIRI00491A	ROSUVASTATIN CALCIUM STAGE-III : SYSTEM SUITABILITY (MIXTURE OF STAGE-III AND ANTI-ISOMER)	NA		
8502383	RSRA21130	N-[4-(4-FLUORO-PHENYL)-5-FORMYL-6-ISOPROPYLPYRIMIDIN-2-YL]-N-METHYLMETHANE SULFONAMIDE (REF. STD.)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502330	RSBD038100	ROSUVASTATIN CALCIUM (REFERENCE STANDARD)			Discontinue due to official std available in Pharmacopeia
8502812	IABD054400	PALIPERIDONE PALMITATE : PALIPERIDONE TRIDECANOATE IMPURITY (IH : IMPURITY-A)			
8502882	IBBD054400	PALIPERIDONE PALMITATE : PALIPERIDONE TETRADECANOATE IMPURITY(IH : IMPURITY-B)			
8502947	ICBD054400	PALIPERIDONE PALMITATE : PALIPERIDONE PENTA DECANOATE IMPURITY (IH : IMPURITY-C)			
8503007	IDBD054400	PALIPERIDONE PALMITATE : PALIPERIDONE STERATE IMPURITY (IH : IMPURITY-D)			
8503057	IEBD054400	PALIPERIDONE PALMITATE : PALIPERIDONE IMPURITY (IH : IMPURITY-E)			



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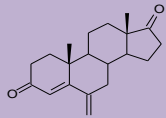
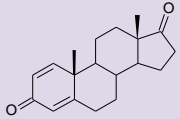
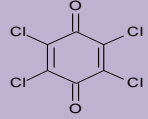
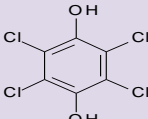
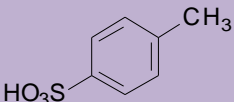
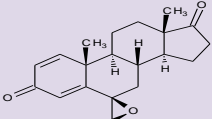
**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

Last update On Aug 2021

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503092	IFBD054400	PALIPERIDONE PALMITATE : PALMITIC ACID IMPURITY (IH : IMPURITY-F)		Cas No : 57-10-3	
8503130	IGBD054400	PALIPERIDONE PALMITATE : PALIPERIDONE PIVALATE IMPURITY (IH : IMPURITY-G)			
8503157	IHBD054400	PALIPERIDONE PALMITATE : FPBH PALMITATE IMPURITY (IH : IMPURITY-H)			
8503185	IIBD054400	PALIPERIDONE PALMITATE : N-OXIDE IMPURITY (IH : IMPURITY-I)			
8503201	IJBD054400	PALIPERIDONE PALMITATE : PALIPERIDONE HEPTA DECANOATE IMPURITY (IH : IMPURITY-J)		CAS No 1404053-62-8	
8502338	RSBD054400	PALIPERIDONE PALMITATE (REFERENCE STANDARD)		Cas No : 199739-10-1	

**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502793	IABD016700	EXEMESTANE : STAGE-I/IMPURITY-A (IH : IMPURITY-A, USP : RELATED COMPOUND-A, Ph.Eur.: IMPURTIY-E)		Cas No : 19457-55-7	
8502928	ICBD016700	EXEMESTANE : IMPURITY-C (IH : IMPURITY-C, USP : RELATED COMPOUND-C ,Ph.Eur.: IMPURITY D)		Cas No : 897-06-3	
8501370	IDBD016700	EXEMESTANE : IMPURITY-D (CHLORANIL) (IH : IMPURITY-D)		Cas No :118-75-2	
8501371	IEBD016700	EXEMESTANE : IMPURITY-E (2,3,5,6-TETRACHLORO HYDROQUINONE) (IH : IMPURITY-E)		CAS Number 118-75-2	
8503081	IFBD016700	EXEMESTANE : IMPURITY-F (PTSA) (IH : IMPURITY-F)		CAS Number 6192-52-5	
8501372	IHBD016700	EXEMESTANE : SPIROOXIRAN-1 IMPURITY (IH : IMPURITY-H,USP-SPIROOXIRAN-1 IMPURITY)		CAS Number : 152764-31-3	

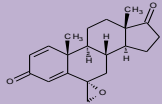
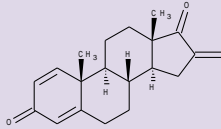
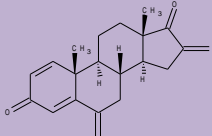
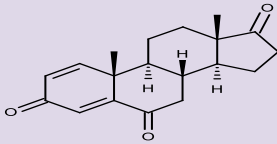
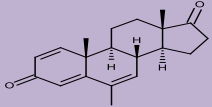


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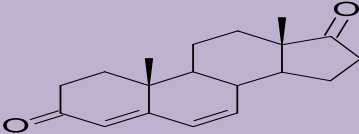
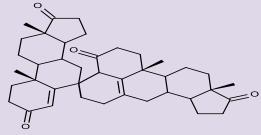
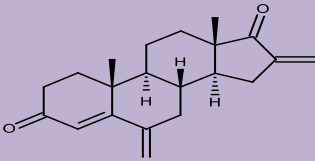
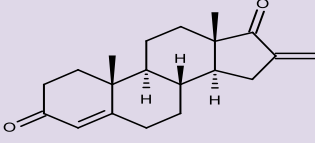
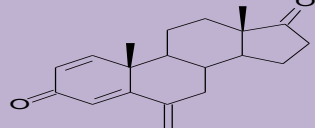
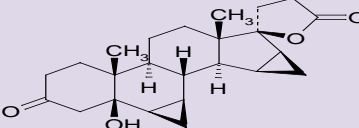
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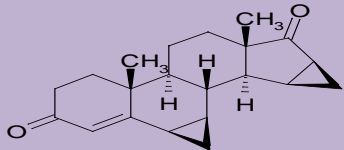
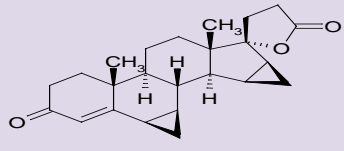
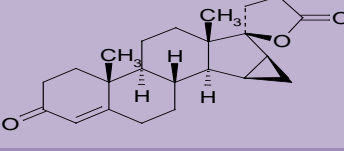
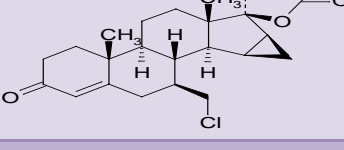
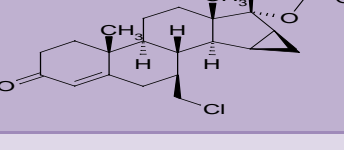
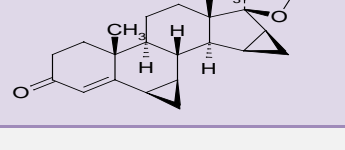
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8501373	IIBD016700	EXEMESTANE : SPIROOXIRAN-2 IMPURITY (IH : IMPURITY-I,USP- SPIROOXIRAN-2 IMPURITY)			
8502552	I1BD016700	EXEMESTANE : 16-METHYL ENEANDROST- 1,4-DIENE-3,17-DIONE IMPURITY (USP : RELATED COMPOUND - D)			
8502657	I2BD016700	6,16-DIMETHYLENEANDROST-1,4-DIENE-3,17-DIONE			
8501295	I3BD016700	EXEMESTANE : TRIKETO IMPURITY		Cas No : 72648-46-5	
8501294	I4BD016700	EXEMESTANE : ACID DEGRADATION IMPURITY		NA	
8504501	I5BD016700	EXEMESTANE : USP SYSTEM SUITABILITY MIXTURE	NA		

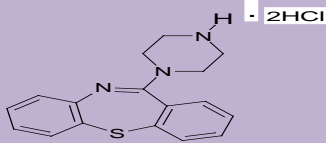
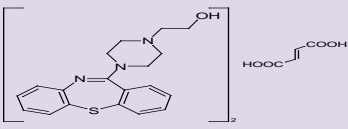
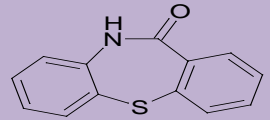
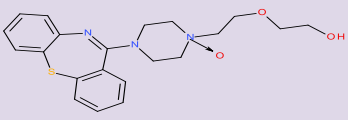
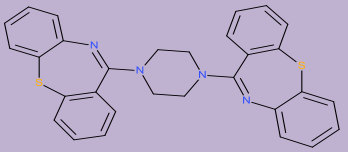


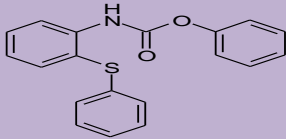
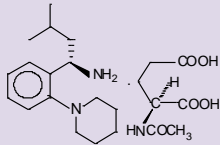
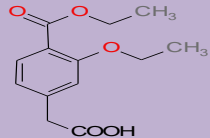
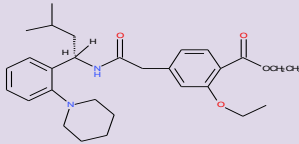
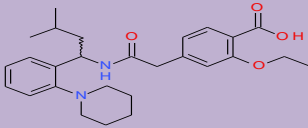
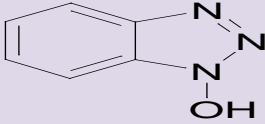
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502581	I1RA20175	ANDROSTA-4,6-DIENE-3,17-DIONE : 4,6-DIENE IMPURITY		Cas No : 633-34-1	
8502614	I1RI00192A	DIMER IMPURITY OF EXEMESTANE STAGE-I		NA	
8502690	I2RI00192A	6,16-DIMETHYLENEANDROST-4-ENE-3,17-DIONE		NA	
8502730	I3RI00192A	16-METHYLENEANDROST-4-ENE-3,17-DIONE		Cas No : 80108-48-1	
8502320	RSBD016700	EXEMESTANE (REFERENCE STANDARD)			Discontinue due to official std available in Pharmacopeia
8502549	I1BD014000	DROSPIRENONE USP:IMPURITY-B (IH), (USP:5-HYDROXY DROSPIRENONE)		CAS-197721-70-3	

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502924	ICBD014000	DROSPIRENONE USP:(IH/Ph.Eur.: IMPURITY-C) (USP:17-KETO DROSPIRENONE)		CAS 116298-21-6	
8503039	IEBD014000	DROSPIRENONE USP:(IH/Ph.Eur.: IMPURITY-E) (USP: DROSPIRENONE RELATED COMPOUND-A)		Cas No : 90457-65-1	
8503116	IGBD014000	DROSPIRENONE USP:IMPURITY-G:(IH), (USP:6,7-DESMETHYLENE DROSPIRENONE,Ph.Eur:IMP-A)		CAS No: 67372-68-3	
8503175	IIBD014000	DROSPIRENONE USP:(IH-MPURITY-I) (USP:7-CHLOROMETHYL DROSPIRENONE/ Ph.Eur.:IMP-G)		CAS No: 932388-90-4	
8503197	IJBD014000	DROSPIRENONE USP:IMPURITY-J:(IH), (USP:7-CHLOROMETHYL 17-EPIDROSPIRENONE, Ph.Eur:IMP-H)		CAS No: 932388-89-1	
8503218	ILBD014000	DROSPIRENONE USP: ALKENE IMPURITY (IH: IMP-L)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500085	IABD036100	QUETIAPINE FUMARATE : IMPURITY-A (IH : IMP-A ,USP -RELATED COMPOUND-B)	 <chem>C1=CC=C2C(=N1)S(=O)C2N3CCN(C3)Cl</chem> · 2HCl	CAS NO : 111974-74-4	
8500149	IBBD036100	QUETIAPINE FUMARATE : IMPURITY-B (IH : IMP-B) (FUMARIC SALT)	 <chem>C1=CC=C2C(=N1)S(=O)C2N3CCN(C3)C(O)C(=O)C(=O)O</chem>		Quetiapine Fumarate Imp. I (EP) as Fumarate salt [Quetiapine desethoxy]
8500212	ICBD036100	QUETIAPINE FUMARATE : IMPURITY-C (IH : IMP-C,USP -RELATED COMPOUND-G, Ph.Eur.: IMP-G)	 <chem>C1=CC=C2C(=N1)S(=O)C2C(=O)N3C=CC=CC3</chem>	CAS NO : [3159-07-7]	
8501755	I1BD036100	QUETIAPINE FUMARATE : N-OXIDE IMPURITY [Ph.Eur.: IMPURITY-H,USP-RELATED COMPOUND-H]	 <chem>C1=CC=C2C(=N1)S(=O)C2N3CCN(C3)COCCO</chem>	CAS NO : 1076199-40-0	
8502663	I2BD036100	QUETIAPINE FUMARATE : DIMER IMPURITY [IH/USP:BIS (DIBENZO PIPERAZINYL) PIPERAZINE/EP-IMPURITY-D]	 <chem>C1=CC=C2C(=N1)S(=O)C2N3CCN(C3)N4C5=CC=C6C(=N5)S(=O)C6</chem>		
8502210	I3BD036100	QUETIAPINE SYSTEM SUITABILITY	NA		

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502450	RSRI00394A	QUETIAPINE FUMARATE STAGE-I (REFERENCE STANDARD)		CAS Number: 111974-73-3	
8500086	IABD036900	REPAGLINIDE : IMPURITY-A (IH/USP : IMP-A, Ph.Eur. : IMP-C)		n/f	
8500150	IBBD036900	REPAGLINIDE : IMPURITY-B (IH/USP/Ph.Eur. : IMP-B) (STAGE-VA)		CAS NO : [99469-99-5]	
8500267	IDBD036900	REPAGLINIDE : IMPURITY-D (IH/Ph.Eur. : IMP-D) (STAGE-VI)			
8500302	IEBD036900	REPAGLINIDE : RACEMIC REPAGLINIDE (IH/Ph.Eur. : IMP-E)			
8500015	I1BD036900	REPAGLINIDE:1-HYDROXY BENZOTRIAZOLE IMPURITY			

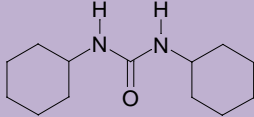
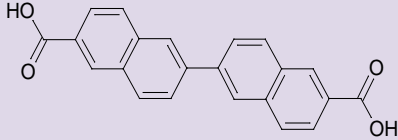
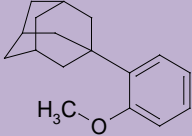
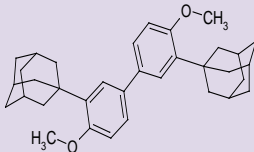
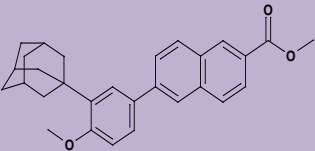
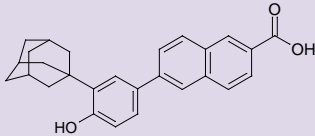


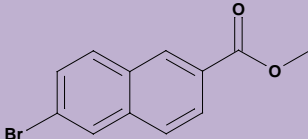
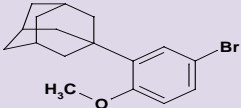
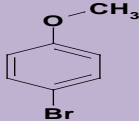
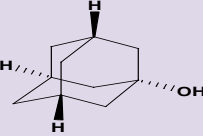
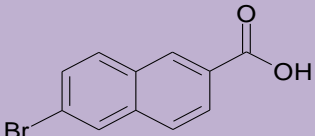
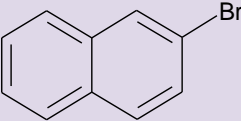
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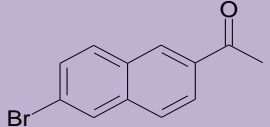
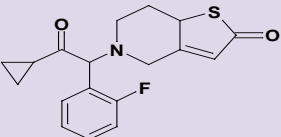
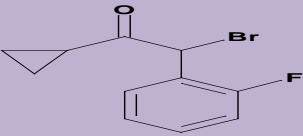
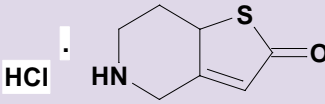
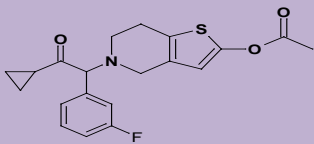
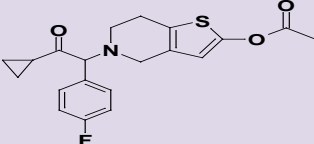
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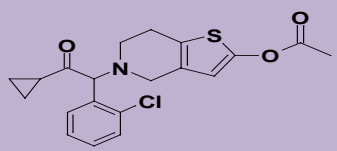
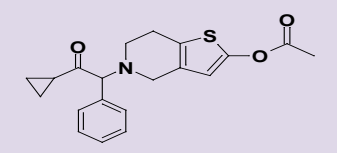
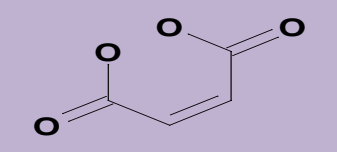
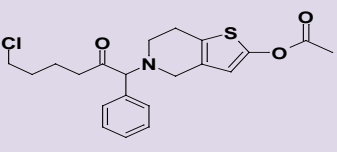
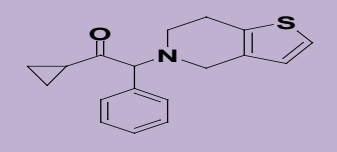
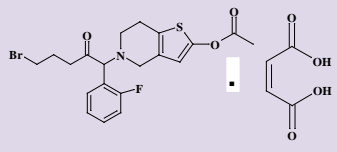
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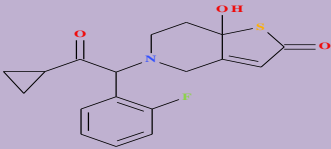
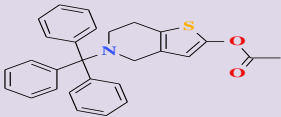
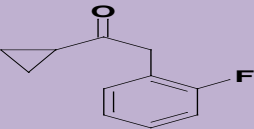
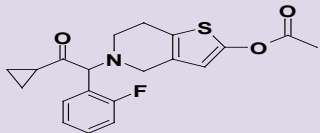
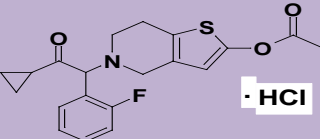
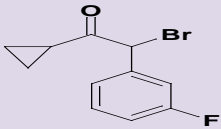
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500029	I2BD0369O0	REPAGLINIDE: DICYCLOHEXYLUREA IMPURITY		CAS No.: 2387-23-7	
8500036	IABD0008O0	ADAPALENE : IMPURITY-A (IH/BP/EP : IMP-A, USP : RELATED COMPOUND-E )		CAS NO : 932033-58-4	
8500166	ICBD0008O0	ADAPALENE : IMPURITY-C (IH/BP/EP : IMP-C, USP : RELATED COMPOUND-C)		CAS NO : 43109-77-9	
8500230	IDBD0008O0	ADAPALENE : IMPURITY-D (IH/BP/EP : IMP-D, USP : RELATED COMPOUND-D)		CAS NO : 932033-57-3	
8500277	IEBD0008O0	ADAPALENE : IMPURITY-E (IH : IMP-E, USP : RELATED COMPOUND-B) / STAGE-II		CAS NO : [106685-41-0]	
8500309	IFBD0008O0	ADAPALENE : DESMETHYL IMPURITY (IH : IMP-F)		CAS NO : 125316-60-1	

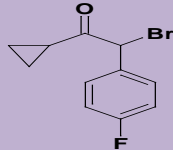
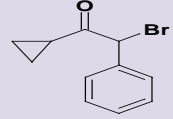
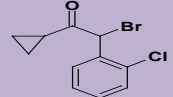
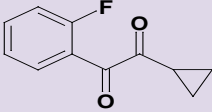
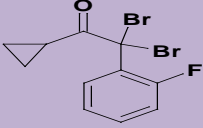
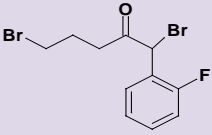
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8500335	IGBD000800	ADAPALENE : METHYL-6-BROMO-2-NAPHTHOATE IMPURITY (IH : IMP-G, USP : RELATED COMPOUND-A)		CAS NO : [33626-98-1]	
8500355	IHBD000800	ADAPALENE : IMPURITY-H (IH : IMP-H) / STAGE-I		CAS NO : 104224-63-7	
8502390	RSRA21723	PARA BROMOANISOLE (4-BROMOANISOLE) (REFERENE STANDARD)		CAS NO : 104-92-7	
8502389	RSRA21722	1-ADAMANTANOL (REFERENE STANDARD)		CAS NO : 768-95-6	
8502595	IIRA21750	METHYL 6-BROMO-2-NAPHTHOATE: 6-BROMO-2-NAPHTHOIC ACID IMPURITY			
8502676	I2RA21750	METHYL 6-BROMO-2-NAPHTHOATE: 2-BROMONAPHTHALENE IMPURITY		CAS NO : 580-13-2	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502722	I3RA21750	METHYL 6-BROMO-2-NAPHTHOATE: 6-BROMO-2-ACETYL NAPHTHALENE IMPURITY			
8500083	IABD034800	PRASUGREL HYDROCHLORIDE : 2-OXO IMPURITY (IH : IMP-A)			
8500147	IBBD034800	PRASUGREL HYDROCHLORIDE : STAGE-I (IH : IMP-B)			
8500210	ICBD034800	PRASUGREL HYDROCHLORIDE : 2-OXO-2,4,5,6,7,7A-HEXAHYDRO THIENO [3,2-c]PYRIDINE HYDROCHLORIDE (RM-2) (IH : IMP-C) / STAGE-II			
8500265	IDBD034800	PRASUGREL HYDROCHLORIDE : m-FLUORO IMPURITY (IH : IMP-D)			
8500300	IEBD034800	PRASUGREL HYDROCHLORIDE : p-FLUORO IMPURITY (IH : IMP-E)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500333	IFBD034800	PRASUGREL HYDROCHLORIDE : 2-CHLORO IMPURITY (IH : IMP-F)			
8500352	IGBD034800	PRASUGREL HYDROCHLORIDE : DESFLUORO IMPURITY (IH : IMP-G)			
8500369	IHBD034800	PRASUGREL HYDROCHLORIDE : MALEIC ACID (IH : IMP-H)		CAS No.: 110-16-7	
8500376	IIBD034800	PRASUGREL HYDROCHLORIDE : CHLOROPENTYL IMPURITY (IH : IMP-I)			
8500382	IJBD034800	PRASUGREL HYDROCHLORIDE : DESACETOXY IMPURITY (IH : IMP-J)			
8500386	IKBD034800	PRASUGREL HYDROCHLORIDE : BROMOPENTYL IMPURITY (IH : IMP-K)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500389	ILBD034800	PRASUGREL HYDROCHLORIDE : HYDROXY IMPURITY (IH : IMP-L)			
8502565	I1BD034800	PRASUGREL HYDROCHLORIDE: N-TRITYL IMPURITY [IH : IMP-Q]			
8502392	RSRA21746	2-(2-FLUOROPHENYL)-1-CYCLOPROPYLETHANONE (REFERENCE STANDARD)/STAGE-IA/KSM			
8502463	RSRI00601A	PRASUGREL FREE BASE (REFERENCE STANDARD)		CAS NO : 150322-43-3	
8502328	RSBD034800	PRASUGREL HYDROCHLORIDE [REFERENCE STANDARD]		CAS NO : 389574-19-0	
8502620	I1RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : m-FLUORO IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502692	I2RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : p-FLUORO IMPURITY			
8502731	I3RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : DES FLUORO IMPURITY			
8502753	I4RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : 2-CHLORO IMPURITY			
8502764	I5RI00387A	PRASUGREL HYDROCHLORIDE : DIKETONE IMPURITY		CAS NO : 1391054-37-7	
8502770	I6RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : DIBROMO IMPURITY			
8502775	I7RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : BROMOPENTYL IMPURITY			

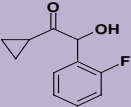
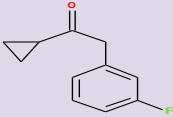
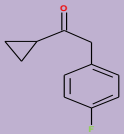
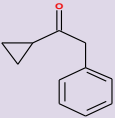
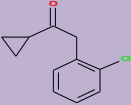
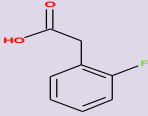


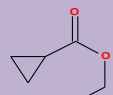
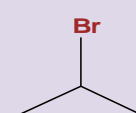
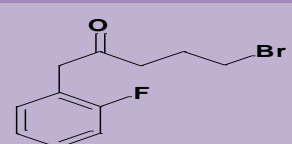
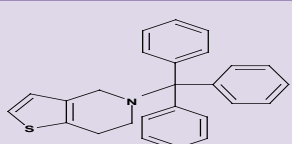
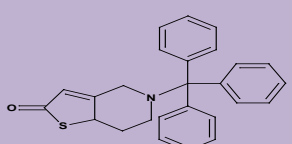
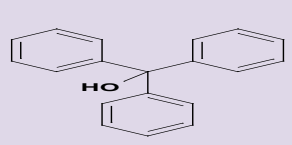
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502778	I8RI00387A	PRASUGREL HYDROCHLORIDE STAGE-I : HYDROXY IMPURITY			
8502593	I1RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : m-FLUORO IMPURITY			
8502675	I2RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : p-FLUORO IMPURITY			
8502721	I3RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : DES FLUORO IMPURITY			
8502747	I4RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : 2-CHLORO IMPURITY			
8502759	I5RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : 2-FLUORO PHENYL ACETIC ACID IMPURITY			SIGMA

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502767	I6RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : ETHYL CYCLOPROPANE CARBOXYLATE IMPURITY			
8502772	I7RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : 2-BROMOPROPANE IMPURITY			SIGMA
8502777	I8RA21746	PRASUGREL HYDROCHLORIDE KSM-1 : BROMOPENTYL IMPURITY			
8502592	I1RA21745	PRASUGREL HYDROCHLORIDE KSM-2 : 5-TRITYL-4,5,6,7-TETRAHYDRO THIENO[3,2-c]PYRIDINE (IH : IMP-2A)			
8502674	I2RA21745	PRASUGREL HYDROCHLORIDE KSM-2 : 5-TRITYL-4,5,6,7-TETRAHYDRO-4H-THIENO[3,2-C]-PYRIDIN-2-ONE (IH : IMP-2B)			
8502720	I3RA21745	PRASUGREL HYDROCHLORIDE KSM-2 : TRITYL ALCOHOL (IH : IMP-2C)			SIGMA

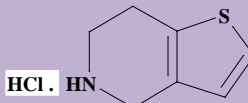
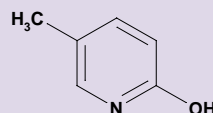
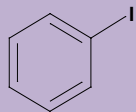
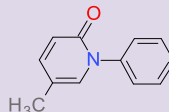
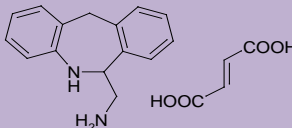
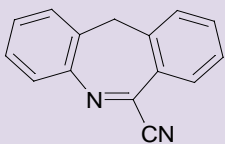


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502746	I4RA21745	PRASUGREL HYDROCHLORIDE KSM-2 : 4,5,6,7-TETRAHYDRO THIENO-[3,2,C]-PYRIDINE HYDROCHLORIDE (IH : IMP-2D)			
8502819	IABD062700	PIRFENIDONE : 2-HYDROXY-5-METHYL PYRIDINE (IH : IMP-A)(RM-1)			
8502888	IBBD062700	PIRFFENIDONE : IODOBENZENE (IH : IMP-B) (RM-2)			
8502346	RSBD062700	PIRFENIDONE (REFERENCE STANDARD)			
8500182	ICBD014900	EPINASTINE HYDROCHLORIDE : AMINO METHYL AZEPINE IMPURITY (IH : IMPURITY-C) / RM		CAS NO : 127785-96-0	
8500240	IDBD014900	EPINASTINE HYDROCHLORIDE : CYANO AZEPINE IMPURITY (IH : IMPURITY-D)		CAS NO : 80012-69-7	

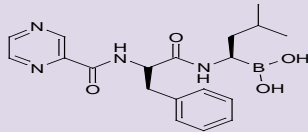
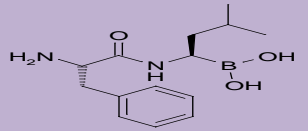
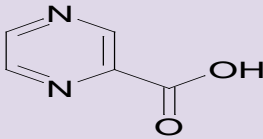
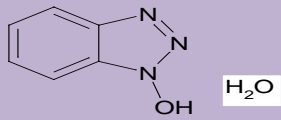
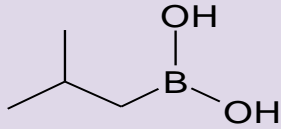


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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504285	I1BD014900	EPINASTINE HYDROCHLORIDE SYSTEM SUITABILITY	NA	CAS NO : 108929-04-0	
8501179	IABD005500	BORTEZOMIB : IMPURITY-A (CHIRAL ISOMER, DIASTEREOMER OF FINAL) (IH : IMPURITY-A)		CAS NO : 1132709-15-9	
8501182	IBBD005500	BORTEZOMIB : IMPURITY-B (IH : IMPURITY-B)		CAS NO : 948294-96-0	
8501183	ICBD005500	BORTEZOMIB : IMPURITY-C (IH : IMPURITY-C)		CAS NO : 98-97-5	
8501184	IDBD005500	BORTEZOMIB : IMPURITY-D (HOBt) (IH : IMPURITY-D)		CAS NO : 123333-53-9	
8503032	IEBD005500	BORTEZOMIB : IMPURITY-E (IH : IMPURITY-E/ ISOBUTYLBORONIC ACID)		CAS NO : 84110-40-7	

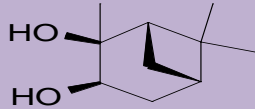
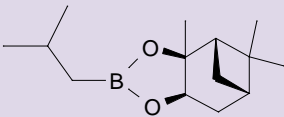
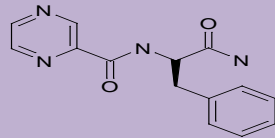
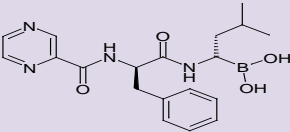
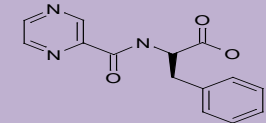
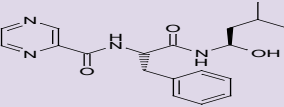


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8503073	IFBD005500	BORTEZOMIB : IMPURITY-F (IH : IMPURITY-F) / RM		CAS NO : 18680-27-8	
8501185	IGBD005500	BORTEZOMIB : IMPURITY-G (RM-I) (IH : IMPURITY-G)		CAS No : 84110-34-9	
8501186	IHBD005500	BORTEZOMIB : IMPURITY-H (IH : IMPURITY-H)			
8501181	IJBD005500	BORTEZOMIB : IMPURITY-J (CHIRAL ISOMER, ENANTIOMER OF FINAL) (IH : IMPURITY-J)			
8501187	IIBD005500	BORTEZOMIB : IMPURITY-I (IH : IMPURITY-I)			
8501180	IKBD005500	BORTEZOMIB IMPURITY K (IH): ALCOHOL IMPURITY			

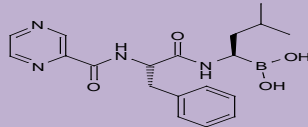
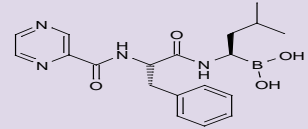
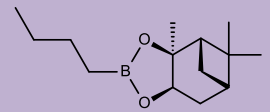
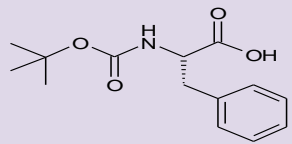
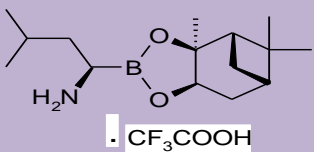
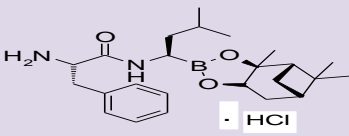


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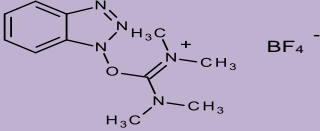
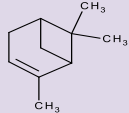
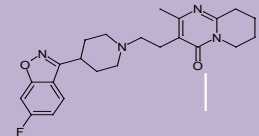
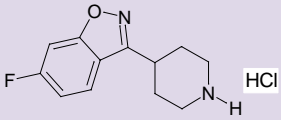
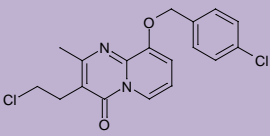
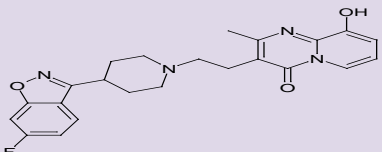
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500923	RSBD00550D	BORTEZOMIB (REFERENCE STANDARD)		CAS NO : 179324-69-7	
8502307	RSBD005500	BORTEZOMIB (REFERENCE STANDARD)		CAS NO : 179324-69-7	
8502610	IIRI00062A	N-BUTYL ANALOGUE OF RM-1		CAS NO : 85167-10-8	
8503263	RSRI00060A	BORTEZOMIB STAGE-IA (REFERENCE STANDARD)		CAS NO : 13734-34-4	
8503262	RSRI00059A	BORTEZOMIB STAGE-IB (REFERENCE STANDARD)	 · CF <sub>3</sub> COOH	CAS NO : 179324-87-9	
8503264	RSRI00061A	BORTEZOMIB STAGE-II (REFERENCE STANDARD)	 · HCl	NA	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503256	RSRA21592	TBTU OR O-(BENZOTRIAZOL-1-YL)-N,N,N',N'-TETRAMETHYLURONIUM TETRAFLUOROBORATE (REFERENCE STANDARD)		CAS NO : 125700-67-6	
8502590	IIRA21591	ALPHA-PINENE IMPURITY		CAS NO : 80- 56-8	
8502803	IABD033100	PALIPERIDONE : RISPERIDONE IMPURITY (IH : IMPURITY-A)		CAS No: 106266-06-2	
8502872	IBBD033100	PALIPERIDONE : FPBH IMPURITY (IH : IMPURITY-B , USP -RELATED COMPOUND B)		CAS No 84163- 77-9	
8502941	ICBD033100	PALIPERIDONE : IMPURITY-C (IH : IMPURITY-C) (STAGE-II)			
8502997	IDBD033100	PALIPERIDONE : IMPURITY-D (IH : IMPURITY-D)			



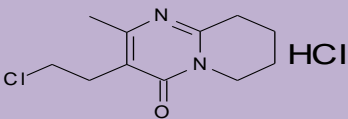
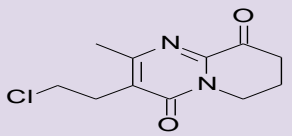
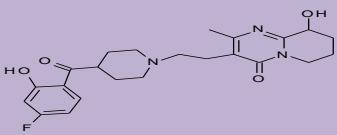
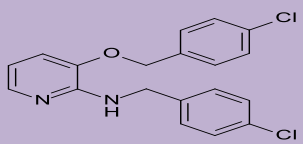
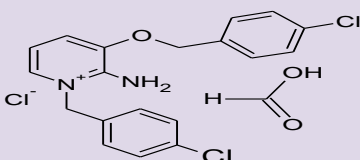
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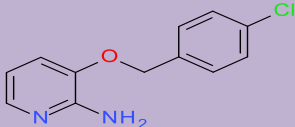
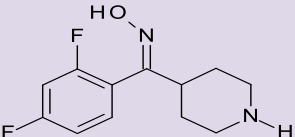
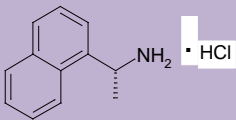
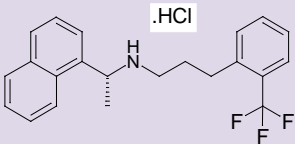
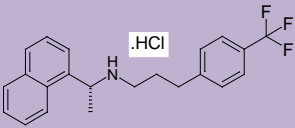
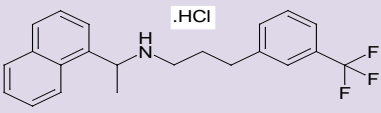
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8503051	IEBD033100	PALIPERIDONE : IMPURITY-E (IH : IMPURITY-E , USP -RELATED COMPOUND C) (STAGE-III)		CAS No: 130049-82-0	
8503086	IFBD033100	PALIPERIDONE : OXIME IMPURITY (IH : IMPURITY-F)			
8503125	IGBD033100	PALIPERIDONE : N-OXIDE IMPURITY (IH : IMPURITY-G , USP -RELATED COMPOUND D)		CAS No: 761460-08-6	
8503152	IHBD033100	PALIPERIDONE : IMPURITY-H (IH : IMPURITY-H)			
8503181	IIBD033100	PALIPERIDONE (IH : IMPURITY-I / USP : IMPURITY-A)		CAS No: 849903-79-3	
8503199	IJBD033100	PALIPERIDONE : DEBENZYLATED STAGE-II IMPURITY ( IH : IMPURITY-J)		CAS No. 260273-82-3	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503211	IKBD033100	PALIPERIDONE : DES HYDROXY IMPURITY ( IH : IMPURITY-K)			
8503220	ILBD033100	PALIPERIDONE : 9-KETO IMPURITY OF STAGE-III ( IH : IMPURITY-L)		CAS Number: 1138463-56-5	
8503229	IMBD033100	PALIPERIDONE : HYDROXY BENZOYL ANALOGUE IMPURITY (IH : IMPURITY-M)			
8504696	I1BD033100	PALIPERIDONE RESOLUTION MIXTURE	NA		
8505647	I2RI00360A	N-BENZYLATED PALIPERIDONE STAGE-I IMPURTY			
8502618	I1RI00360A	DIBENZYLATED 2-AMINO-3-HYDROXYPYRIDINE IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505503	RSRI00360	PALIPERIDONE STAGE-I (REFERENCE STANDARD)		CAS Number : 81066-59-3	
8503023	IDRA21443	6-FLUORO-3-(4-PIPERIDINYL)-1, 2-BENZISOXAZOLE HYDROCHLORIDE : IMPURITY-D (Z-ISOMER OF IMP-C)		Cas No : 691007-05-3	
8502786	IABD009100	CINACALCET HYDROCHLORIDE :R-NAPHTHYL ETHYLAMINE IMPURITY (IH : IMPURITY-A)		CAS Number 82572-04-1	
8502851	IBBD009100	CINACALCET HYDROCHLORIDE : 2-TRIFLUORO ISOMER (IH : IMPURITY-B)			
8502980	IDBD009100	CINACALCET HYDROCHLORIDE : 4-TRIFLUORO ISOMER (IH : IMPURITY-D)			
8503035	IEBD009100	CINACALCET HYDROCHLORIDE : RS ISOMER (IH : IMPURITY-E)			

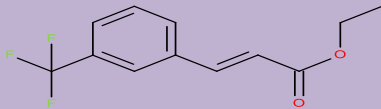
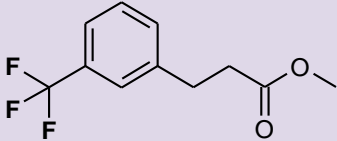
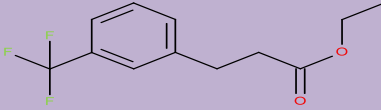
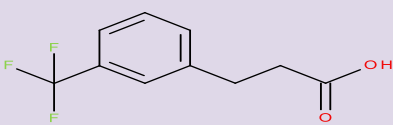
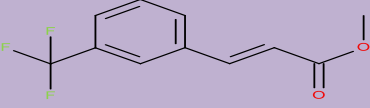
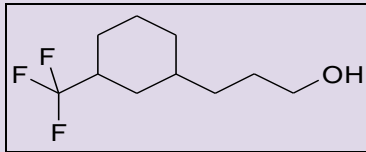


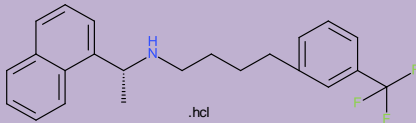
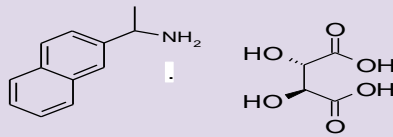
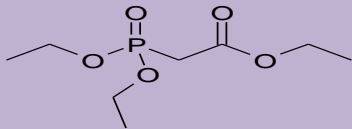
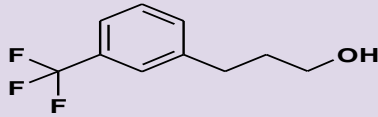
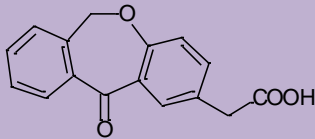
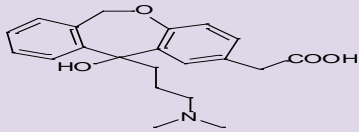
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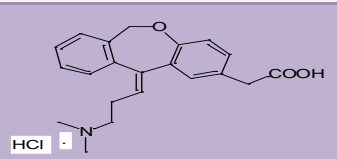
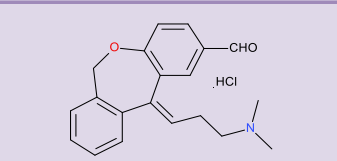
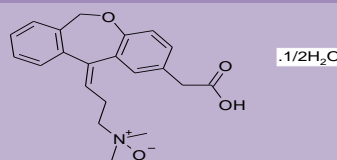
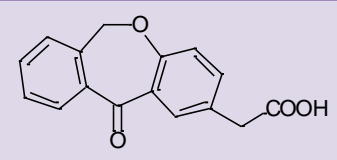
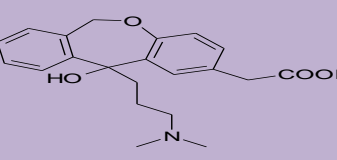
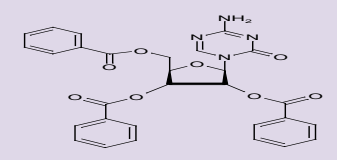
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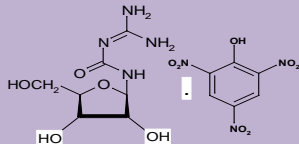
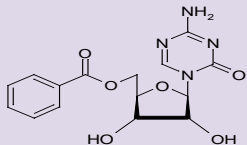
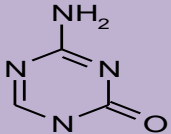
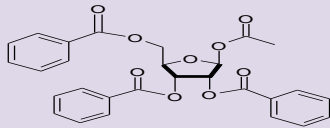
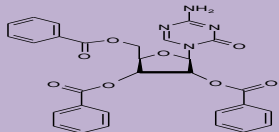
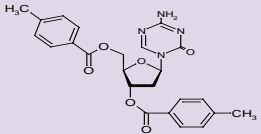
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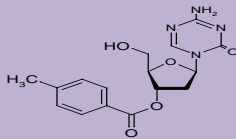
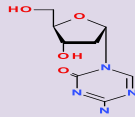
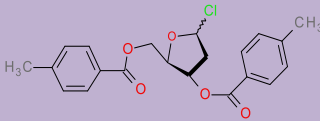
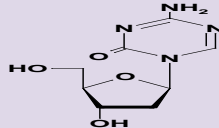
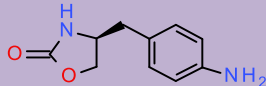
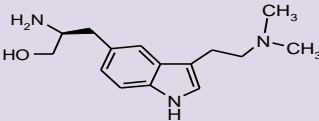
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502612	I1RI00093A	CINACALCET HYDROCHLORIDE STAGE-II-A ETHYL ESTER			
8502689	I2RI00093A	CINACALCET HYDROCHLORIDE STAGE-II-B METHYL ESTER			
8502729	I3RI00093A	CINACALCET HYDROCHLORIDE STAGE-II-B ETHYL ESTER			
8502752	I4RI00093A	CINACALCET HYDROCHLORIDE STAGE-II-B CARBOXYLIC ACID		CAS Number 585-50-2	
8502763	I5RI00093A	CINACALCET HYDROCHLORIDE STAGE-II-A METHYL ESTER		CAS Number: 104201-66-3	
8502769	I6RI00093A	CINACALCET HYDROCHLORIDE STAGE-II : 3-(3-(TRIFLUOROMETHYL) CYCLOHEXYL)-PROPAN-1-OL IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502311	RSBD009100	CINACALCET HYDROCHLORIDE (REFERENCE STANDARD)		CAS Number 364782-34-3	
8502909	IBRA21548	CINACALCET HYDROCHLORIDE (IMPURITY B OF NEA)			
8502433	RSRI00092A	CINACALCET HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)		Cas No : 867-13-0	
8503899	RSRI00093A	CINACALCET HYDROCHLORIDE STAGE-II (REFERENCE STANDARD)		CAS : 78573-45-2	
8500075	IABD031600	OLOPATADINE HYDROCHLORIDE : KETO ACID IMPURITY (IH : IMP-A, USP-RELATED COMPOUND C)		Cas No : 55453-87-7	
8500140	IBBD031600	OLOPATADINE HYDROCHLORIDE : ALCOHOL IMPURITY (IH : IMP-B)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500202	ICBD031600	OLOPATADINE HYDROCHLORIDE : E-ISOMER IMPURITY (IH : IMP-C)	 HCl	Cas No : 949141-22-4	
8502996	IDBD031600	OLOPATADINE HYDROCHLORIDE : CARBALDEHYDE IMPURITY (IH : IMPURITY-D)	 HCl		
8501756	IEBD031600	OLOPATADINE HYDROCHLORIDE : N-OXIDE IMPURITY (IH : IMP-E, USP-RELATED COMPOUND B)	 .1/2H <sub>2</sub> O	Cas No : 173174-07-7	
8504255	RSRA21757	6,11, DIHYDRO-11-OXO-DIBENZ [B,E] OXEPIN-2-ACETIC ACID / OLOPATADINE HYDROCHLORIDE STAGE-IB (REFERENCE STANDARD)		CAS No: 55453-87-7	
8503422	RSRI00345A	OLOPATADINE HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)			
8501260	IABD003600	AZACITIDINE : IMPURITY-A (IH : IMPURITY-A)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501261	IBBD003600	AZACITIDINE : IMPURITY-B (IH : IMPURITY-B , USP-RELATED COMPOUND C)			
8501262	ICBD003600	AZACITIDINE : IMPURITY-C (IH : IMPURITY-C)			
8505904	RSRA21383	5 -AZACYTOSINE (REFERENCE STANDARD)		Cas No : 931-86-2	
8505906	RSRA21525	1-O-ACETYL-2,3,5-TRI-O-BENZOYL BETA-D-RIBOFURANOSE (REFERENCE STANDARD)		Cas No : 6974-32-9	
8505908	RSRI00042A	AZACITIDINE STAGE-II (REFERENCE STANDARD)		NA	
8501075	IABD011200	DECITABINE IMPURITY -A (IH:IMPURITY-A) /STAGE-II		CAS Number :10302-79-1	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500114	IBBD011200	DECITABINE MONOHYDROLISED IMPURITY (IH:IMPURITY-B)		CAS Number : 183016-21-9	
8500178	ICBD011200	DECITABINE ALFA-ISOMER IMPURITY (IH:IMPURITY-C)			
8502436	RSRI00124A	DECITABINE STAGE-I (REFERENCE STANDARD)		CAS Number 4330-21-6	
8500763	RSBD011200	DECITABINE (REFERENCE STANDARD)		CAS number: 2353-33-5	
8500095	IABD046200	ZOLMITRIPTAN : IMPURITY-A (IH : IMPURITY-A,USP -RELATED COMPOUND G) / RM		CAS No.: 152305-23-2	
8500159	IBBD046200	ZOLMITRIPTAN : AMINO ALCOHOL IMPURITY (IH : IMPURITY-B,USP -RELATED COMPOUND B)		CAS Number : 139264-69-0	



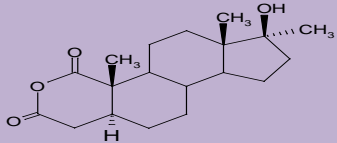
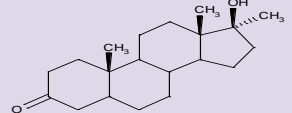
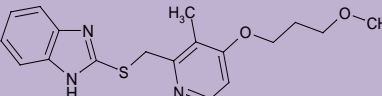
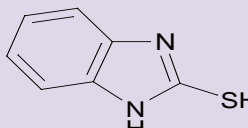
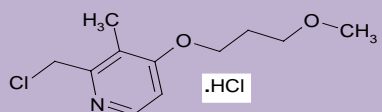
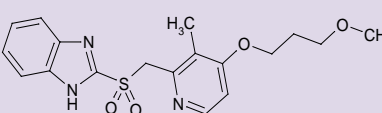
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500221	ICBD046200	ZOLMITRIPTAN : N-OXIDE IMPURITY (IH : IMPURITY-C,USP -RELATED COMPOUND E)		CAS No.: 251451-30-6	
8502712	I3BD046200	ZOLMITRIPTAN : (S)-4-NITROPHENYL ALANINE			
8502742	I4BD046200	ZOLMITRIPTAN IMPURITY-E (IH : IMPURITY-E)			
8503107	IFRA21557	ZOLMITRIPTAN RAW MATERIAL IMPURITY: IH IMPURITY – F [R-ISOMER]		CAS Number 262857-90-9	
8502564	I1BD032200	OXANDROLONE : ANHYDRO-OXANDROLONE (USP : RELATED COMPOUND-C)			
8502662	I2BD032200	OXANDROLONE : STAGE-II (USP : DELTA-1-MESTANOLONE)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502709	I3BD032200	OXANDROLONE : SECOACID ANHYDRIDE IMPURITY (USP)			
8502740	I4BD032200	OXANDROLONE : MESTANOLONE IMPURITY (IH)			
8502804	IABD036300	RABEPRAZOLE SODIUM : IMPURITY A [IH : IMP-A, USP-REL.COMP-E,] / STAGE-I			
8502873	IBBD036300	RABEPRAZOLE SODIUM : BENZIMIDAZOLE IMPURITY [IH : IMP-B,USP-REL.COMP-C]		CAS Number: 583-39-1	
8502942	ICBD036300	RABEPRAZOLE SODIUM : IMPURITY C (IH : IMP-C)			
8502998	IDBD036300	RABEPRAZOLE SODIUM : SULPHONE IMPURITY [IH : IMP-D, USP-REL.COMP-D]			



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502265	GRSBD01680	EXENATIDE (GLOBAL REFERENCE STANDARD)	NA		
8502321	RSBD01680	EXENATIDE (REFERENCE STANDARD)	NA		
8501599	IABD016800	GLU(13)-EXENATIDE IMPURITY (IH : IMPURITY-A)	NA		
8501600	IBBD016800	DES-HIS(01)-EXENATIDE IMPURITY (IH : IMPURITY-B)	NA		
8501601	ICBD016800	DES-GLY(04)-EXENATIDE IMPURITY (IH : IMPURITY-C)	NA		
8501602	IEBD016800	ASP(28)-EXENATIDE IMPURITY (IH : IMPURITY-E)	NA		

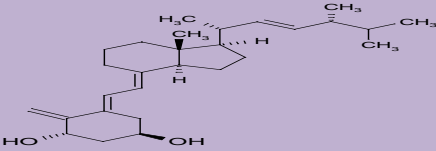
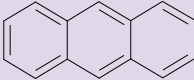
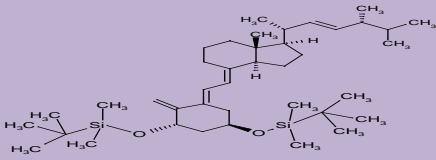
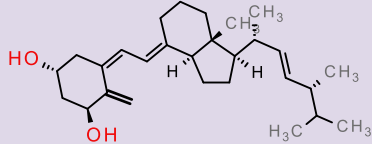


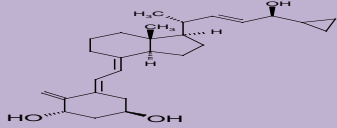
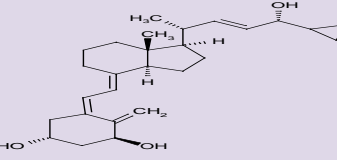
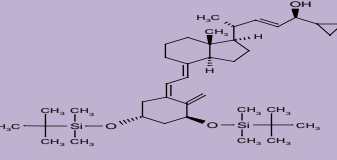
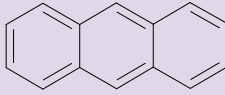
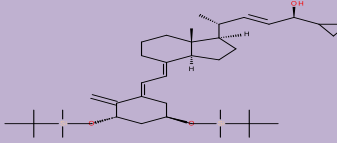
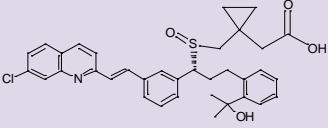
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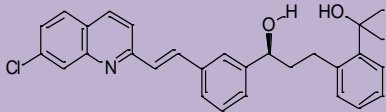
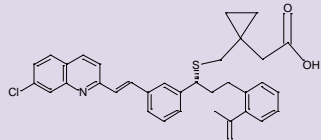
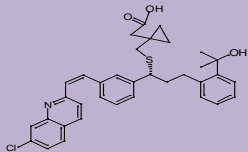
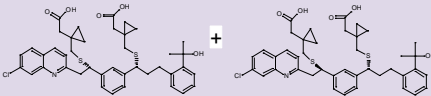
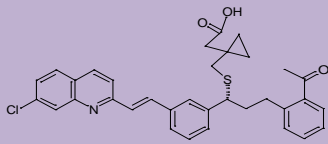
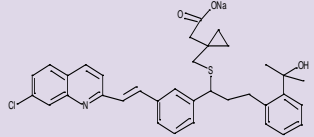
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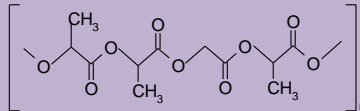
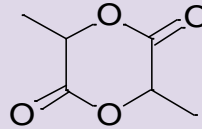
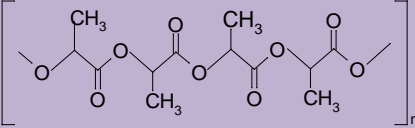
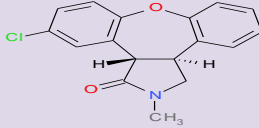
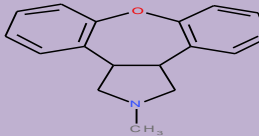
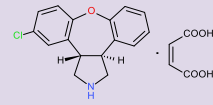
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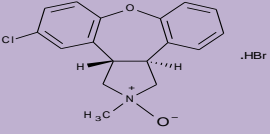
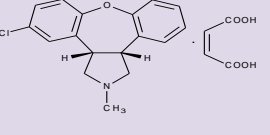
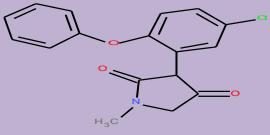
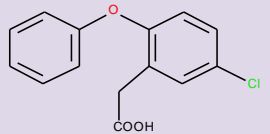
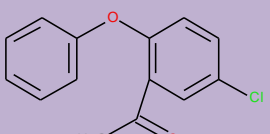
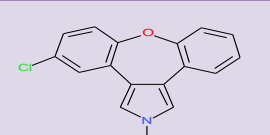
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501603	IFBD016800	N-ACETYL-HIS1-EXENATIDE (IH : EXENATIDE IMPURITY-F)	NA		
8501604	IGBD016800	[MET(O)14]-EXENATIDE IMPURITY (IH:IMPURITY-G)	NA		
8500415	IABD013700	DOXERCALCIFEROL : IMPURITY-A (IH : IMPURITY-A)			
8500427	IBBD013700	DOXERCALCIFEROL: IMPURITY-B (IH : IMPURITY-B)			Discontinue
8501552	ICBD013700	DOXERCALCIFEROL : IMPURITY-C (3031/RM-1) (IH : IMPURITY-C)			
8501779	RSBD013700	DOXERCALCIFEROL (REFERENCE STANDARD)		CAS Number 54573-75-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502918	ICBD006400	CALCIPOTRIOL : IMPURITY-C (IH/Ph.Eur. : IMPURITY-C)			
8502978	IDBD006400	CALCIPOTRIOL : IMPURITY-D (IH/Ph.Eur. : IMPURITY-D)			
8503074	IFBD006400	CALCIPOTRIOL : IMPURITY-F (IH/Ph. Eur.: IMPURITY-F)			not available
8503194	IJBD006400	CALCIPOTRIOL : IMPURITY-J (IH : IMPURITY-J) (DOXERCALCIFEROL : IMP-B)			
8503208	IKBD006400	CALCIPOTRIOL : IMPURITY-K (3016/RM-1) (IH : IMPURITY-K)			
8500072	IABD029000	MONTELUKAST SODIUM : SULFOXIDE IMPURITY (IH : IMP-A,BP/Ph.Eur : IMP-C, USP : SULFOXIDE IMPURITY)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500137	IBBD029000	MONTELUKAST SODIUM : DIOL IMPURITY (IH : IMP-B)			
8500199	ICBD029000	MONTELUKAST SODIUM : METHYL STYRENE IMPURITY ( IH: IMP-C, BP/Ph.Eur. : IMP-B, USP : METHYLSTYRENE)			
8500257	IDBD029000	MONTELUKAST SODIUM : CIS-ISOMER IMPURITY (IH : IMP-D, BP/Ph.Eur. : IMP-G, USP : CIS-ISOMER)			
8500292	IEBD029000	MONTELUKAST SODIUM : MICHAEL ADDUCTS 1&2 IMPURITIES (IH : IMP-E, BP/Ph.Eur. : IMP-D & E, USP : MICHAEL ADDUCTS 1&2 )			
8500326	IFBD029000	MONTELUKAST SODIUM : METHYL KETONE IMPURITY (IH/BP/Ph.Eur. : IMP-F, USP:METHYLKETONE )			
8503124	IGBD029000	MONTELUKAST SODIUM :RACEMIC IMPURITY (IH : IMP-G, BP/Ph.Eur. : IMP-A, USP : MONTELUKAST S-ISOMER)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502367	RSE0051800	POLY LACTIC CO-GLYCOLIC ACID (PLGA 7515) (REFERENCE STANDARD)			
8502579	I1BFE1391	PLGA 7515 : DL-LACTIDE		CAS Number 95-96-5	
8502366	RSE0031100	[DL]-POLYLACTIC ACID 18000-23000.DA OR [DL]-PLA-2 (REFERENCE STANDARD)			
8502820	IABD063400	ASENAPINE MALEATE : IMPURITY-A / RM (IH : IMPURITY-A)			
8502889	IBBD063400	ASENAPINE MALEATE : IMPURITY-B (IH : IMP-B)			
8502953	ICBD063400	ASENAPINE MALEATE : IMPURITY-C (IH : IMP-C)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503011	IDBD063400	ASENAPINE MALEATE : N-OXIDE IMPURITY (IH :IMPURITY-D)			
8503060	IEBD063400	ASENAPINE MALEATE IMPURITY-E (IH : IMPURITY-E)			
8503096	IFBD063400	ASENAPINE MALEATE IMPURITY-F (IH:IMPURITY-F)			
8503133	IGBD063400	ASENAPINE MALEATE IMPURITY-G (IH:IMPURITY-G)			
8503162	IHBD063400	ASENAPINE MALEATE : IMPURITY-H (IH : IMP-H)			
8503202	IJBD063400	ASENAPINE MALEATE : TETRADEHYDRO ASENAPINE IMPURITY [IH : IMPURITY-J]			

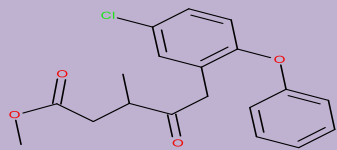
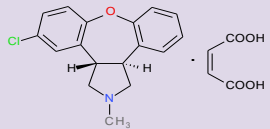
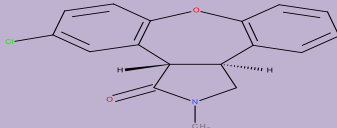
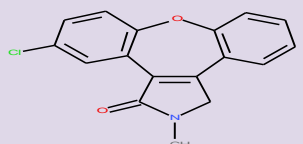
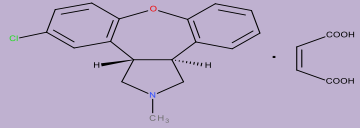
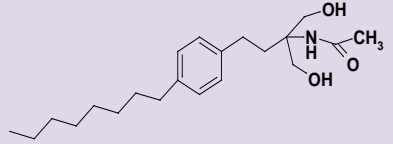


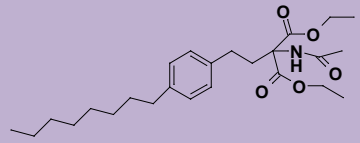
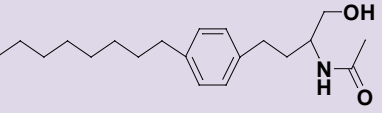
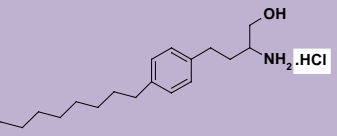
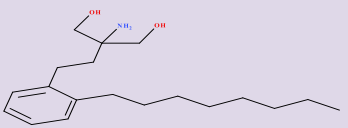
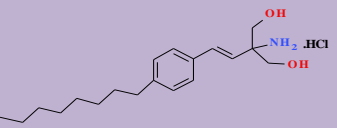
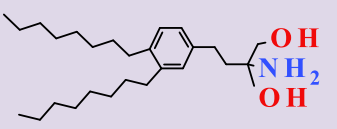
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8503187	IIBD063400	METHYL 2-(2-(5-CHLORO-2-PHENOXY PHENYL)-N-METHYLACETAMIDO) ACETATE			
8502491	RSRI00897A	ASENAFINE MALEATE STAGE-II (REFERENCE STANDARD)			
8502398	RSRA21905	11-CHLORO-2-METHYL-2,3-DIHYDRO[2,3:6,7] OXEPINO[4,5-c] PYRROL-1-ONE(REFERENCE STANDARD)			
8502348	RSBD063400	ASENAFINE MALEATE (REFERENCE STANDARD)		CAS No : 5650-56-2	
8502349	RSBD06340C	ASENAFINE MALEATE (ORTHORHOMBIC) (REFERENCE STANDARD)			
8502286	IABD066300	FINGOLIMOD HYDROCHLORIDE : STAGE IV [IH : IMPURITY-A , Ph Eur.: IMP-I]		CAS No : 249289-10-9	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502287	IBBD066300	FINGOLIMOD HYDROCHLORIDE : STAGE-III (IH : IMPURITY-B)		CAS No : 162358-08-9	
8502288	ICBD066300	FINGOLIMOD HYDROCHLORIDE : DECARBXYLATE IMPURITY (IH : IMPURITY-C)		CAS No 177259- 52-8	
8502289	IGBD066300	FINGOLIMOD HYDROCHLORIDE : DEHYDROXYMETHYL IMPURITY (IH : IMP-G)		CAS No 168560- 42-7	
8503327	IHBD066300	FINGOLIMOD HYDROCHLORIDE : ORTHO ISOMER (IH: IMP-H)			
8503189	IIBD066300	FINGOLIMOD HYDROCHLORIDE: OLEFINE IMPURITY (IH: IMP-I)			
8503203	IJBD066300	FINGOLIMOD HYDROCHLORIDE: DIOCTYL IMPURITY (IH: IMP-J)			

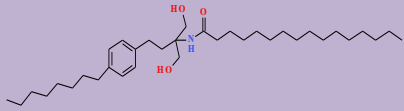
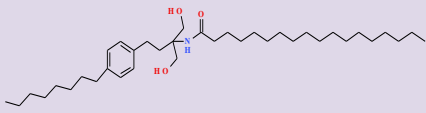
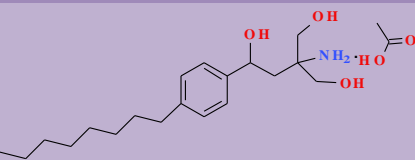
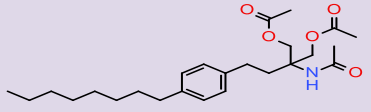
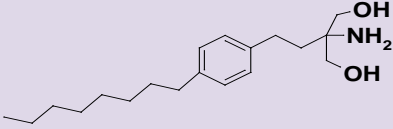


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502290	ILBD066300	FINGOLIMOD HYDROCHLORIDE: N-PALMITOYL IMPURITY (IH: IMP-L)			
8502291	IMBD066300	FINGOLIMOD HYDROCHLORIDE: N-STEAROYL IMPURITY (IH: IMP-M)			
8503238	INBD066300	FINGOLIMOD HYDROCHLORIDE: HYDROXY IMPURITY (IH: IMP-N)			
8504435	I4BD066300	FINGOLIMOD PH. EUR. IMPURITY-H		CAS No : 162358-09-0	
8505056	I5BD066300	FINGOLIMOD SYSTEM SUITABILITY MIXTURE	NA		
8502472	RSRI00630A	FINGOLIMOD FREE BASE (REFERENCE STANDARD)			

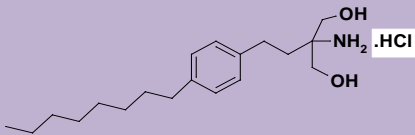
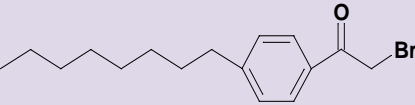
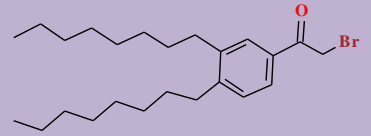
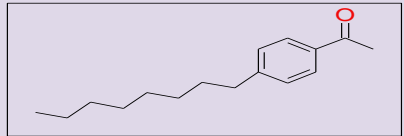
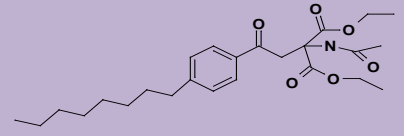
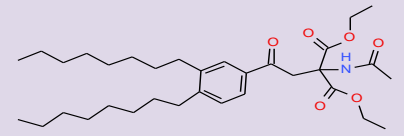


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502352	RSBD066300	FINGOLIMOD HYDROCHLORIDE (REFERENCE STANDARD)			
8502470	RSRI00626A	FINGOLIMOD HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)			
8502626	I1RI00626A	FINGOLIMOD HYDROCHLORIDE STAGE-I: DIOCTYL IMPURITY			
8502732	I3RI00626A	FINGOLIMOD HYDROCHLORIDE STAGE-I/II/III: DESBROMO IMPURITY OF STAGE-I		CAS No : 64068-76-4	
8502471	RSRI00627A	FINGOLIMOD HYDROCHLORIDE STAGE-II (REFERENCE STANDARD)		CAS. No. 268557-49-9	
8502627	I1RI00627A	FINGOLIMOD HYDROCHLORIDE STAGE-II: DIOCTYL IMPURITY			

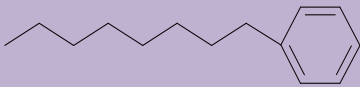
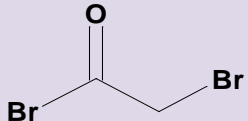
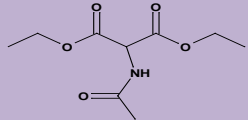
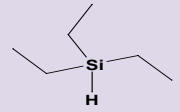
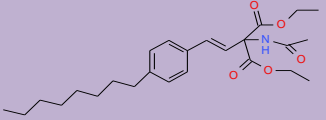
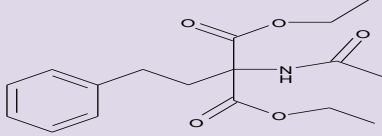


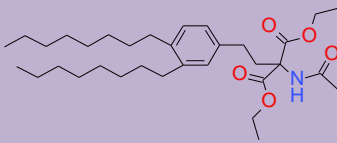
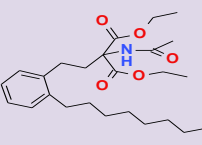
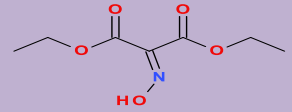
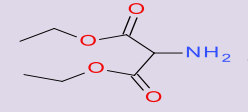
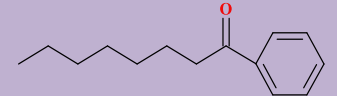
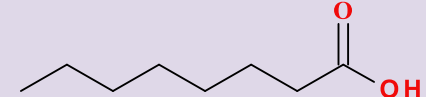
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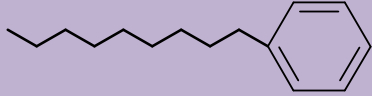
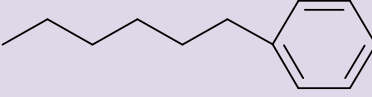
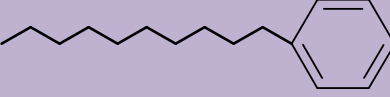
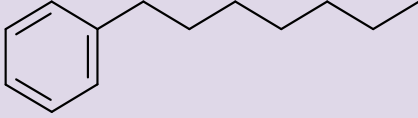
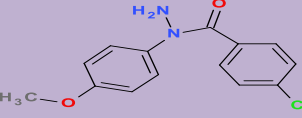
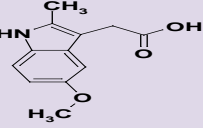
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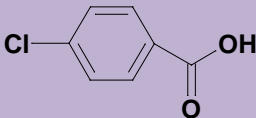
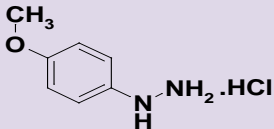
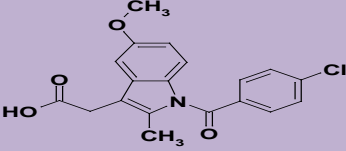
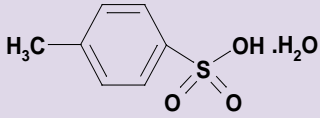
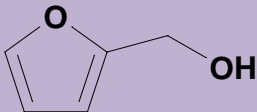

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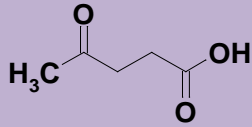
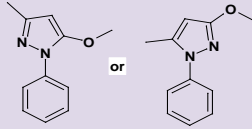
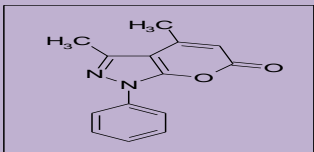
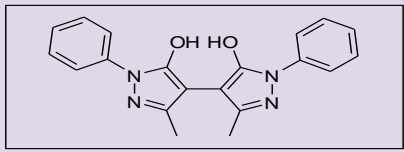
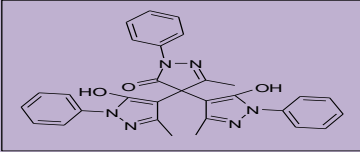
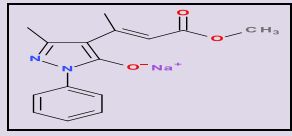
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502395	RSRA21847	FINGOLIMOD HYDROCHLORIDE : OCTYLBENZENE / N-OCTYLBENZENE /1-PHENYL OCTANE (RM) (REFERENCE STANDARD)			
8502396	RSRA21848	FINGOLIMOD HYDROCHLORIDE : BROMOACETYL BROMIDE (REFERENCE STANDARD)		CAS Number 598-21-0	
8502394	RSRA21846	DIETHYLACETAMIDO MALONATE (REFERENCE STANDARD)		CAS Number 1068-90-2	
8502371	RSRA20664	TRIETHYL SILANE (REFERENCE STANDARD)			Use Sigma Aldrich
8502628	I1RI00628A	FINGOLIMOD HYDROCHLORIDE STAGE-III : OLEFINIC INTERMEDIATE			
8502694	I2RI00628A	FINGOLIMOD HYDROCHLORIDE STAGE-III: DESOCYTL IMPURITY			

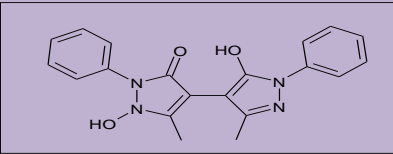
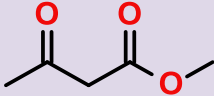
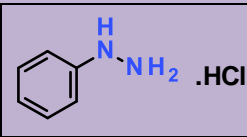
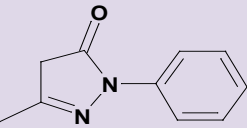
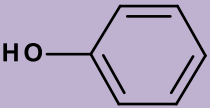
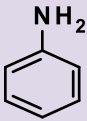
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8502733	I3RI00628A	FINGOLIMOD HYDROCHLORIDE STAGE-III: DIOCTYL IMPURITY			
8502754	I4RI00628A	FINGOLIMOD HYDROCHLORIDE STAGE-III : ORTHO IMPURITY			
8502678	I2RA21846	DEAM : DIETHYL OXIMINOMALONATE IMPURITY.			
8500405	I3RA21846	DEAM : DIETHYL AMINO MALONATE IMPURITY		CAS No : 6829-40-9	
8502679	I2RA21847	OCTYL BENZENE : OCTANOPHENONE IMPURITY			
8502598	I1RA21847	OCTYL BENZENE : OCTANOIC ACID IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506246	8506246	OCTYL BENZENE : N-NONYL BENZENE IMPURITY		CAS No : 1081-77-2	
8506245	8506245	OCTYL BENZENE : N-HEXYL BENZENE IMPURITY		CAS No : 1077-16-3	
8506244	8506244	OCTYL BENZENE : N-DECYL BENZENE IMPURITY		CAS No : 104-72-3	
8507479	I4RA21847	OCTYL BENZENE : 1-PHENYLHEPTANE IMPURITY/ n-HEPTYL BENZENE IMPURITY		CAS No : 1078-71-3	
8502821	IABD063700	INDOMETHACIN SODIUM: IMPURITY A (IH: IMPURITY-A) / RM		CAS No : 40093-60-5	
8502890	IBBD063700	INDOMETHACIN SODIUM: DEBENZOYLATED IMPURITY (IH/BP/Ph.Eur.: IMPURITY-B, USP-RELATED COMPOUND A)		CAS No : 2882-15-7	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502954	ICBD063700	INDOMETHACIN SODIUM: 4-CHLORO BENZOIC ACID IMPURITY (IH : IMPURITY C,BP/Ph.Eur.: IMP-A, USP-RELATED COMPOUND B)		CAS No : 74-11-3	
8503012	IDBD063700	INDOMETHACIN SODIUM: 4-METHOXY PHENYL HYDRAZINE HYDROCHLORIDE IMP (IH: IMPURITY-D)			
8502473	RSRI00633A	INDOMETHACIN SODIUM : STAGE-I / INDOMETHACIN FREE ACID (REFERENCE STANDARD)			
8502574	I1BD063700	INDOMETHACIN SODIUM: p-TOLUENE SULFONIC ACID IMPURITY (IH: IMPURITY 1A)			
8502668	I2BD063700	INDOMETHACIN SODIUM: FURFURYL ALCOHOL IMPURITY (IH: IMPURITY-1B)			
8502715	I3BD063700	INDOMETHACIN SODIUM: p-ANISIDINE IMPURITY (IH: IMPURITY-1C)		CAS No : 104-94-9	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502580	I1DBD06370	INDOMETHACIN SODIUM :LEVULINIC ACID (IH : IMPURITY-ID)		CAS No : 123-76-2	
8502792	IABD014300	EDARAVONE: IMPURITY-A (IH: IMP-A)		CAS No : 27349-35-5	
8502858	IBBD014300	EDARAVONE: IMPURITY-B (IH: IMP-B)		CAS No : 74169-52-1	
8500439	ICBD014300	EDARAVONE: DIMER IMPURITY (IH: IMP-C)		CAS No : 177415-76-8	
8502985	IDBD014300	EDARAVONE: TRIMER IMPURITY (IH: IMP-D)		CAS No : 124009-63-8	
8503078	IFBD014300	EDARAVONE: IMPURITY-F (IH: IMPURITY-F)		NA	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503117	IGBD014300	EDARAVONE: IMPURITY-G (IH: IMPURITY-G)		NA	
8501052	RSRA20288 A	METHYL ACETOACETATE (REFERENCE STANDARD)		CAS No : 105-45-3	
8501053	RSRA20332 A	PHENYL HYDRAZINE HYDROCHLORIDE (REFERENCE STANDARD)		CAS No : 59-88-1	
8502316	RSBD01430 0	EDARAVONE (REFERENCE STANDARD)		CAS No : 89-25-8	
8506696	8506696	EDARAVONE: PHENOL IMPURITY		CAS No : 108-95-2	
8506697	8506697	EDARAVONE: ANILINE IMPURITY		CAS No : 62-53-3	

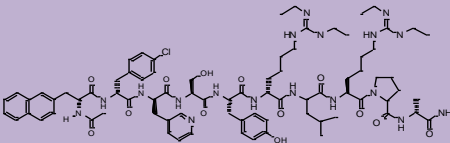


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8500743	GRSBD0193 O	GANIRELIX ACETATE (GLOBAL REFERENCE STANDARD)		CAS NO : 129311-55-3	Cold shipment
8500745	GRSBD0641 O	ATOSIBAN ACETATE (GLOBAL REFERENCE STADNARD)	NA	CAS Number: 914453-95-5	
8502350	RSBD0641O 0	ATOSIBAN ACETATE (REFERENCE STADNARD)	NA	CAS Number: 914453-95-5	
8500099	IABD0641O0	ASP(05)-ATOSIBAN (IH : IMPURITY-A)	NA		
8502891	IBBD0641O0	L-TYR(ET)(02)-ATOSIBAN (IH : IMPURITY-B)	NA		
8500226	ICBD0641O0	D-TYR(02)-ATOSIBAN (IH : IMPURITY-C)	NA		

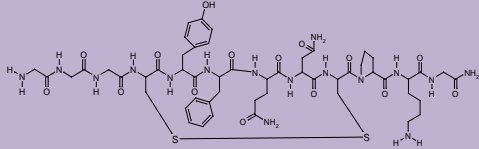
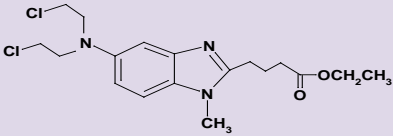
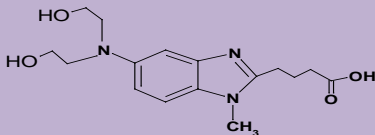
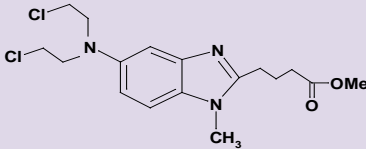


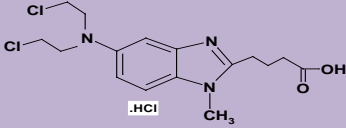
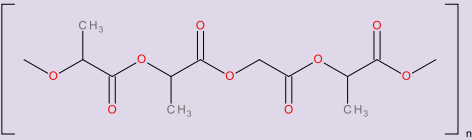
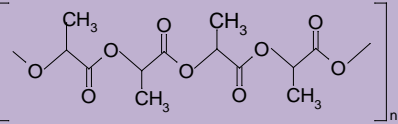
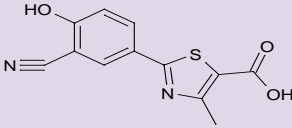
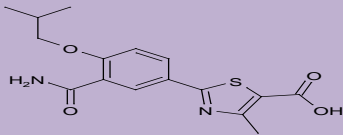
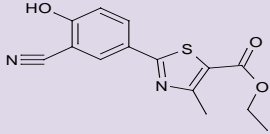
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503013	IDBD064100	ASN(CN)(05)-ATOSIBAN (IH : IMPURITY-D)	NA		
8500306	IEBD064100	ATOSIBAN ACID IMPURITY (IH : IMPURITY-E)	NA		
8500003	GRSBD0416 O	TERLIPRESSIN ACETATE (GLOBAL REFERENCE STANDARD)		CAS No: 14636-12-5	
8502822	IABD065400	BENDAMUSTINE HYDROCHLORIDE (IMPURITY-A)			
8502892	IBBD065400	BENDAMUSTINE HYDROCHLORIDE (IMPURITY-B)			
8502955	ICBD065400	BENDAMUSTINE HYDROCHLORIDE (IMPURITY-C)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502351	RSBD065400	BENDAMUSTINE HYDROCHLORIDE (REFERENCE STANDARD)			Discontinue due to official std available in Pharmacopeia
8502365	RSE0031000	POLYLACTIC-CO-GLYCOLICACID(PLGA-7520)/POLYDL-LACTIC-CO-GLYCOLIC ACID-20000Da (REFERENCE STANDARD)			
8502364	RSE0030900	POLY LACTIC ACID-3[DL}PLA-3 (POLYDL-LACTIC ACID 30000-35000Da) (REFERENCE STANDARD)			
8502794	IABD017100	FEBUXOSTAT: IMPURITY-A (IH: IMP-A)		CAS Number: 407582-48-3	
8502861	IBBD017100	FEBUXOSTAT: IMPURITY-B (IH: IMP-B)		CAS : 1239233-86-3	
8502929	ICBD017100	FEBUXOSTAT: IMPURITY-C (IH: IMP-C) (STAGE-I)			



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8502988	IDBD017100	FEBUXOSTAT: IMPURITY-D (IH: IMP-D)		CAS Number: 1335202-59-9	
8503042	IEBD017100	FEBUXOSTAT: IMPURITY-E (IH: IMP-E)		CAS No: 1657014-33-9	
8503082	IFBD017100	FEBUXOSTAT: IMPURITY-F (IH: IMP-F) (STAGE-II)			
8503119	IGBD017100	FEBUXOSTAT: IMPURITY-G (IH: IMP-G)			
8501487	RSRA21872	ETHYL -2-(3 FORMYL- 4 HYDROXYPHENYL)-4-METHYL THIAZOLE-5 CARBOXYLATE (REFERENCE STANDARD)			
8502322	RSBD017100	FEBUXOSTAT (REFERENCE STANDARD)		CAS : 144060-53-7	



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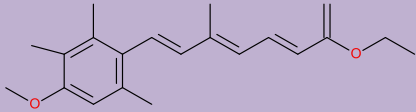
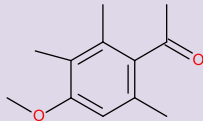
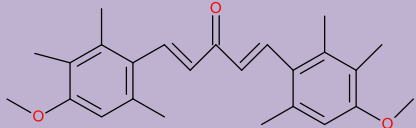
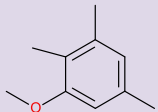
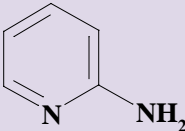
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502845	IBBD000700	ACITRETIN : ETHYL ESTER (IH/BP/Ph.Eur.: IMP-B,USP Rel. Comp-B)		CAS Number 54350-48-0	
8501177	ICBD000700	ACITRETIN : 4Z-ISOMER (IH : IMP-C)		CAS No : 55079-83-9	
8502974	IDBD000700	ACITRETIN : ISOPROPYL ESTER (IH : IMP-D)			
8503029	IEBD000700	ACITRETIN : IMPURITY-E (IH:IMP-E) / STAGE-II		CAS No : 54757-44-7	
8503069	IFBD000700	ACITRETIN : IMPURITY-F (IH : IMP-F)		CAS No : 791- 28-6	
8503258	RSRA21754	(E)-4-(4-METHOXY-2,3,6-TRIMETHYL-PHENYL)- BUT-3-EN-2-ONE (REFERENCE STANDARD)		CAS Number : 54757-47-0	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502540	I1BD0007OA	ACITRETIN IMPURITY: ETHYL GLYOXALATE ADDUCT			
8502596	I1RA21754	ACITRETIN KSM : MTPO IMPURITY-I			
8502677	I2RA21754	ACITRETIN KSM : MTPO IMPURITY-II			
8502723	I3RA21754	ACITRETIN KSM : MTPO IMPURITY-III		CAS No : 20469-61-8	
8505406	I2RI00014A	ACITRETIN STAGE-II : SYSTEM SUITABILITY SAMPLE	NA		
8502814	IABD060000	DALFAMPRIDINE : 2-AMINOPYRIDINE IMPURITY (IH : IMP-A)		CAS No : 504- 29-0	

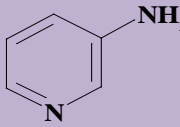
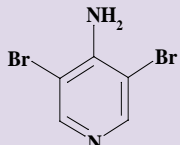
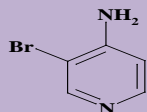
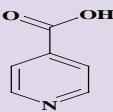
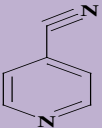
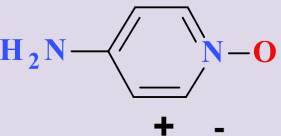


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502884	IBBD060000	DALFAMPRIDINE : 3-AMINOPYRIDINE IMPURITY (IH : IMP-B)		CAS No : 462-08-8	
8502948	ICBD060000	DALFAMPRIDINE : DIBROMO IMPURITY (IH : IMP-C, USP : RELATED COMPOUND B)		CAS No : 84539-34-4	
8503008	IDBD060000	DALFAMPRIDINE : MONOBROMO IMPURITY (IH : IMP-D)		CAS No : 13534-98-0	
8503094	IFBD060000	DALFAMPRIDINE : ISONICOTINIC ACID IMPURITY (IH : IMPURITY-F)		CAS No : 55-22-1	
8503131	IGBD060000	DALFAMPRIDINE : 4-CYANOPYRIDINE IMPURITY (IH : IMPURITY-G)		CAS No : 100-48-1	
8503158	IHBD060000	DALFAMPRIDINE : 4-AMINOPYRIDINE-N-OXIDE IMPURITY (IH : IMPURITY-H, USP : RELATED COMPOUND A)		CAS No : 3535-75-9	

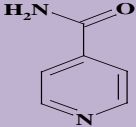
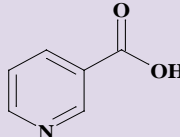

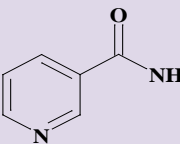
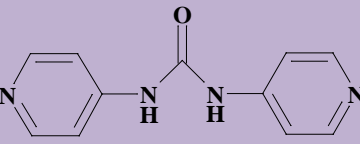
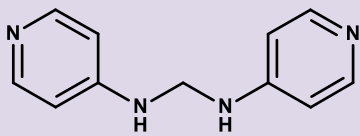


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8502666	I2BD060000	DALFAMPRIDINE : ISONICOTINAMIDE (IMPURITY-J) / RM		CAS No : 1453-82-3	
8503222	ILBD060000	DALFAMPRIDINE : NICOTINIC ACID IMPURITY / NIACIN (IH : IMP-L)		CAS No : 59-67-6	
8503230	IMBD060000	DALFAMPRIDINE : HYDROXY IMPURITY (IH : IMP-M)		CAS No : 52334-53-9	
8502713	I3BD060000	DALFAMPRIDINE : NICOTINAMIDE IMPURITY		CAS No : 98-92-0	
8502743	I4BD060000	DALFAMPRIDINE : UREA IMPURITY [USP : RELATED COMPOUND C]		CAS No : 39642-87-0	
8500407	I5BD060000	DALFAMPRIDINE : METHYLENE BRIDGE IMPURITY		CAS No : 4589-32-6	

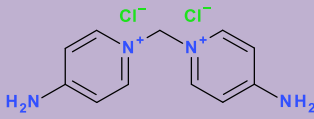
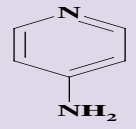
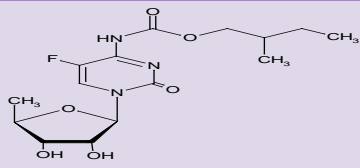
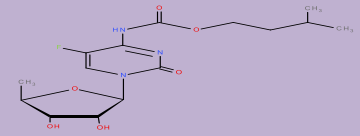
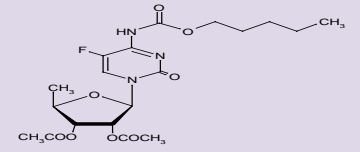


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502276	I6BD06000	DALFAMPRIDINE : BISPYRIDINIUM METHYLENE BRIDGE IMPURITY			
8502340	RSBD060000	DALFAMPRIDINE (REFERENCE STANDARD)		CAS No : 504-24-5	
8504996	GRSBD00650	CALCITONIN (SALMON) (GLOBAL REFERENCE STADNARD)	NA	CAS Number 47931-85-1	
8500006	I1BD006800	CAPECITABINE IMPURITY-I (USP : RRT 0.95)		CAS No : 910129-15-6	
8500023	I2BD006800	CAPECITABINE IMPURITY-II (USP : RRT 0.95)		CAS No : 162204-30-0	
8500031	I3BD006800	CAPECITABINE CARBAMATE IMPURITY (USP : RRT 1.37)		CAS No : 162204-20-8	



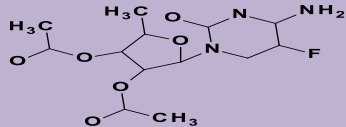
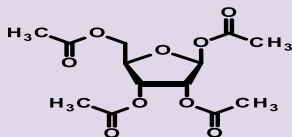
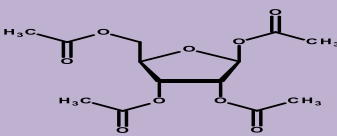
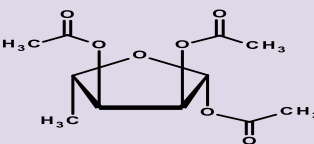
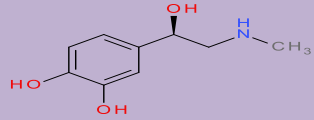
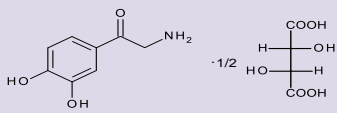
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8501805	IABD006800	CAPECITABINE : IMPURITY-A [IH/PH.EUR.-IMP-A, USP-RELATED COMPOUND-A]		CAS No : 66335-38-4	
8501806	IBBD006800	CAPECITABINE : IMPURITY-B [IH/PH.EUR.-IMP-B, USP-RELATED COMPOUND-B]		CAS-3094-09-5	
8502277	ICBD006800	CAPECITABINE : IMPURITY-C [IH-IMP-C, USP-RELATED COMPOUND-C / Ph.Eur.-IMP-F]		CAS No : 921769-65-5	
8503306	RSRI01129A	CAPECITABINE STAGE-I (REFERENCE STANDARD)		CAS No : 4099-85-8	
8503307	RSRI00075A	CAPECITABINE STAGE-II (REFERENCE STANDARD)		CAS No : 78341-97-6	
8503335	RSRI00076A	CAPECITABINE STAGE-III (REFERENCE STANDARD)		CAS No : 62211-93-2	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503364	RSRI00077A	CAPECITABINE STAGE-IV (REFERENCE STANDARD)		CAS No : 161599-46-8	
8503308	I4BD006800	CAPECITABINE TETRA ACETYL IMPURITY		CAS No : 50730-26-2	
8503312	I1RI00075A	CAPECITABINE STAGE-IIA (MESYLATE IMPURITY)		CAS No : 81026-76-8	
8503313	I2RI00076A	CAPECITABINE STAGE-III : SYSTEM SUITABILITY FOR L-ISOMER		NA	
8505788	IABD099400	NOREPINEPHRINE BITARTRATE : EPINEPHRINE (IH/Ph. Eur. : IMPURITY-A)		CAS No : 51-43-4	
8502899	IBBD099400	NOREPINEPHRINE BITARTRATE : NORADRENALONE (IH/Ph. Eur. : IMPURITY-B) / STAGE-I			



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8502958	ICBD099400	NOREPINEPHRINE BITARTRATE : DOPAMINE (IH/Ph. Eur. : IMPURITY-C)		CAS No : 62-31-7	
8502274	IDBD099400	NOREPINEPHRINE BITARTRATE : NORADRENALINE METHYL ETHER (IH/Ph. Eur. : IMPURITY-D)		CAS No : 1932110-67-2	
8503063	IEBD099400	NOREPINEPHRINE BITARTRATE : 2-CHLORO-1-(3,4- DIHYDROXYPHENYL) ETHANONE (IH/Ph. Eur. : IMPURITY-E)		CAS No : 99-40-1	
8502577	IIBD099400	NOREPINEPHRINE BITARTRATE : S-ISOMER			
8502496	RSRI00971A	NOREPINEPHRINE STAGE-II (REFERENCE STANDARD)			
8501781	I4BD099400	NOREPINEPHRINE BITARTRATE : TETRAHYDROISOQUINOLINE IMPURITY			



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501973	I5BD099400	NOREPINEPHRINE BITARTRATE : SULFONIC ACID IMPURITY			
8503483	I6BD099400	NOREPINEPHRINE BITARTRATE : TETRAHYDROISOQUINOLINE ISOMER IMPURITY			
8503605	I7BD099400	NOREPINEPHRINE BITARTRATE : 3,4-DIHYDROXYBENZALDEHYDE		CAS No : 139-85-5	
8506123	8506123	NOREPINEPHRINE STAGE-I:SYSTEM SUITABILITY MIXTURE OF STAGE-I AND DIMER IMPURITY	NA		
8506028	8506028	NORADRENALINE TARTRATE (REFERENCE STANDARD)		CAS No : 108341-18-0	
8502823	IABD065500	FESOTERODINE FUMARATE IMPURITY A (IH) : FESOTERODINE STAGE-II			





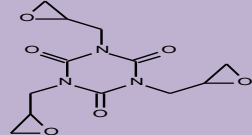
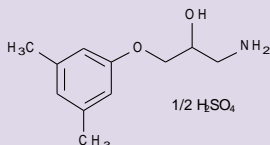
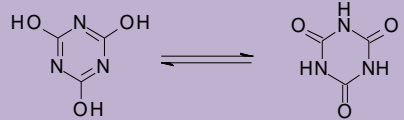
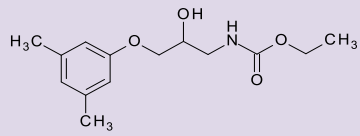
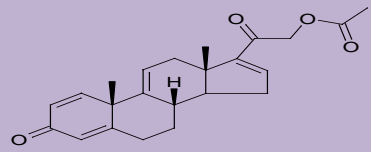
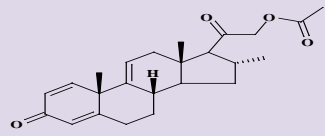
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502893	IBBD065500	FESOTERODINE FUMARATE IMPURITY B (IH): FESOTERODINE DIESTER IMPURITY			
8503061	IEBD065500	FESOTERODINE FUMARATE IMPURITY E (IH) : FESOTERODINE FUMARATE ALDEHYDE IMPURITY			
8503097	IFBD065500	FESOTERODINE FUMARATE IMPURITY F (IH): FESOTERODINE FUMARATE STAGE-I			
8503163	IHBD065500	FESOTERODINE FUMARATE : FESO FUMARIC ESTER IMPURITY (IH : IMPURITY-H)			
8503188	IIBD065500	FESOTERODINE FUMARATE IMPURITY-I (Mixture of R-ISOMER & S-ISOMER)			
8502560	I1BD027200	METAXALONE : DIMETHYL PHENOL IMPURITY		CAS No : 108-68-9	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502661	I2BD027200	METAXALONE : TGIC IMPURITY		CAS No : 2451-62-9	
8502708	I3BD027200	METAXALONE : ETHANOLAMINE IMPURITY [USP : RELATED COMPUOND-B] HEMISULPHATE SALT			
8502739	I4BD027200	METAXALONE : CYANURIC ACID IMPURITY		CAS No : 108-80-5	
8503902	IBBD027200	METAXALONE ETHYL URETHANE IMPURITY (IH : IMPURITY-B)			
8503260	RSRA21890	3,20-DI OXO PREGNA-1,4,9(11),16-TETRAEN-21- YL ACETATE (REFERENCE STANDARD)		CAS No : [37413-91-5]	
8503274	RSRI00928A	17-DESOXI OXIDO : 16-METHYLTRIENE-21- ACETATE (REFERENCE STANDARD)		NA	

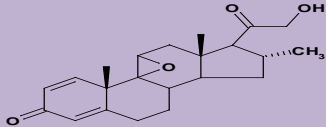
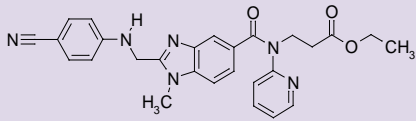
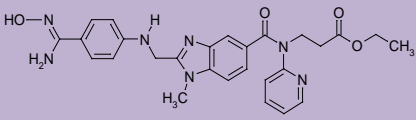
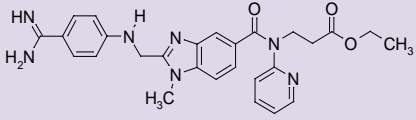
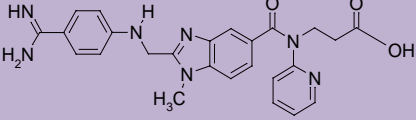
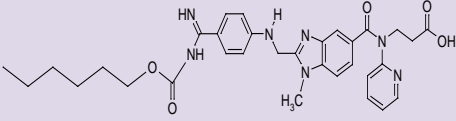


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503273	RSRI00927A	17-DESOXY OXIDO / 17-DESOXI METHASONE OXIDO (REFERENCE STANDARD)		CAS No : [151265-33-7]	
8501611	RSRI00716A	DABIGATRAN ETEXILATE MESYLATE STAGE-IV (REFERENCE STANDARD) / IMPURITY-A		Cas No : 211915-84-3	
8501612	IBBD066800	DABIGATRAN ETEXILATE MESYLATE IMPURITY-B (IH :IMPURITY-B / STAGE-IV-A)		Cas No : 446-31-1	
8501613	RSRI00717A	DABIGATRAN ETEXILATE MESYLATE STAGE-V (REFERENCE STANDARD) / IMPURITY-C		Cas No : 429658-95-7	
8501614	IDBD066800	DABIGATRAN ETEXILATE MESYLATE (IH : IMPURITY-D) / STAGE-V-ACID		Cas No : 211914-51-1	
8501615	IEBD066800	DABIGATRAN ETEXILATE MESYLATE (IH : IMPURITY-E) / (STAGE-F-ACID)		Cas No : 212321-78-3	



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8501616	IFBD066800	DABIGATRAN ETEXILATE MESYLATE (IH : IMPURITY-F) / (STAGE-F-AMIDE)		Cas No : 1408238-40-3	
8501617	IGBD066800	DABIGATRAN ETEXILATE MESYLATE IMPURITY-G (IH :IMPURITY-G / STAGE-F-METHYL ESTER)		Cas No : 1408238-39-0	
8501618	IHBD066800	DABIGATRAN ETEXILATE MESYLATE (IMPURITY-H:IH / STAGE-F-ISOPROPYL ESTER)			
8501619	IIBD06680A	DABIGATRAN ETEXILATE MESYLATE IMPURITY-I (IH :IMPURITY-I / PENTYL HOMOLOGUE)			
8505480	IRBD066800	DABIGATRAN ETEXILATE MESYLATE (IH: IMPURITY-R)		Cas No : 1408238-36-7	
8505479	I4RI00717A	DABIGATRAN ETEXILATE MESYLATE STAGE-V CLEAVAGE ETHYL ESTER IMPURITY		Cas No : 429658-95-7	

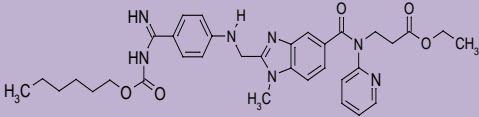
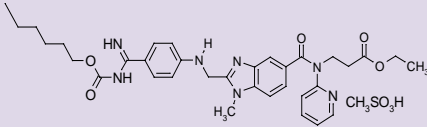
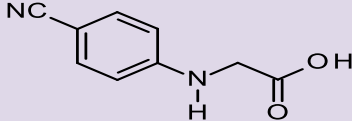
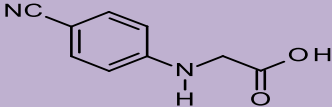
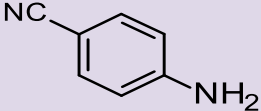


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502495	RSRI00962A	DABIGATRAN ETEXILATE MESYLATE FREE BASE (REFERENCE STANDARD)			
8501809	RSBD066800	DABIGATRAN ETEXILATE MESYLATE (REFERENCE STANDARD)		Cas: 872728-81-9	
8505134	I2BD066800	DABIGATRAN ETEXILATE MESYLATE : SYSTEM SUITABILITY MIXTURE	NA		
8505910	RSRI00715A	DABIGATRAN ETEXILATE MESYLATE STAGE-III A (REFERENCE STANDARD)		CAS No : 42288-26-6	
8505473	RSRA22023	N-(4-CYANOPHENYL)GLYCINE (REFERENCE STANDARD)		CAS No : 42288-26-6	
8505907	RSRA21919	4-AMINO BENZO NITRILE (REFERENCE STANDARD)		CAS No : 873-74-5	

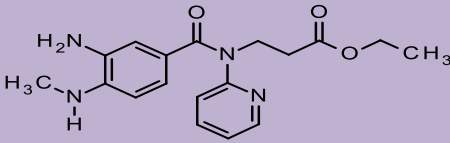
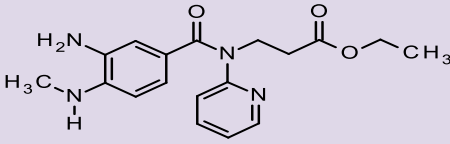
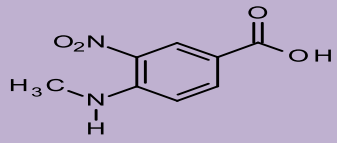
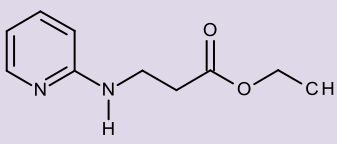
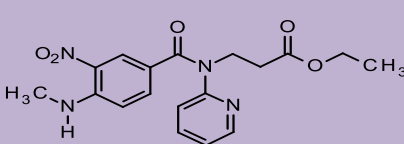
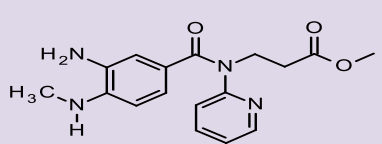


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505909	RSRI00714A	DABIGATRAN ETEXILATE MESYLATE STAGE-III (REFERENCE STANDARD)		<del>CAS No :</del> 212322-56-6	
8505472	RSRA22032	3-((3-AMINO-4-METHYLAMINO)BENZOYL) PYRIDINE-2-YL-AMINO)PROPIONIC ACID ETHYL ESTER (REF. STD.)		CAS No : 212322-56-6	
8505789	IARI00714A	DABIGATRAN ETEXILATE MESYLATE STAGE-III (IH:IMPURITY-A)		CAS No : 41263-74-5	
8505471	IBRI00714A	DABIGATRAN ETEXILATE MESYLATE STAGE-III (IH:IMPURITY-B)		CAS No : 103041-38-9	
8505790	ICRI00714A	DABIGATRAN ETEXILATE MESYLATE STAGE-III (IH:IMPURITY-C)		CAS No : 429659-01-8	
8505901	IDRI00714A	DABIGATRAN ETEXILATE MESYLATE STAGE-III (IH:IMPURITY-D)		--	



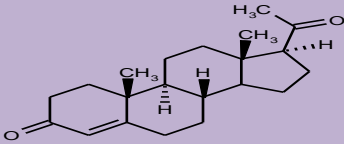
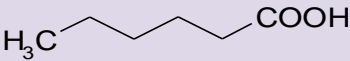
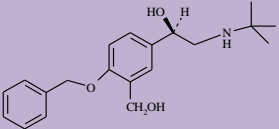
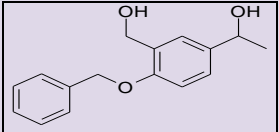
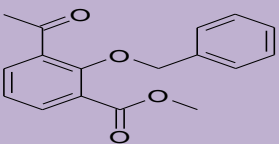
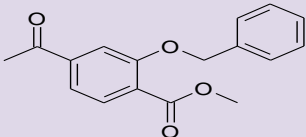
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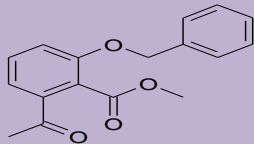
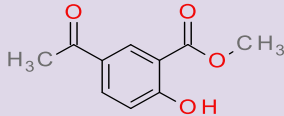
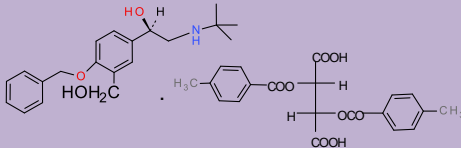
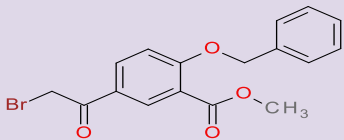
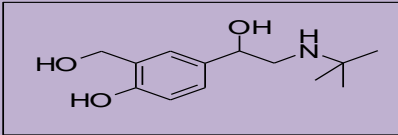
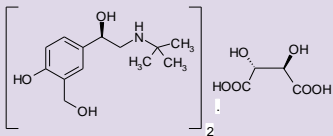
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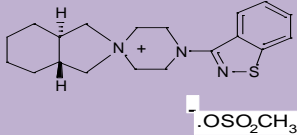
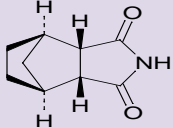
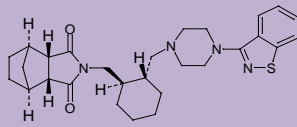
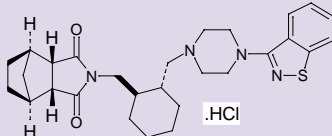
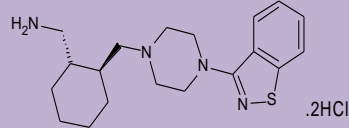
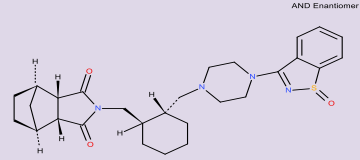
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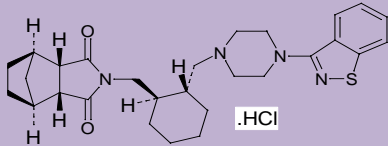
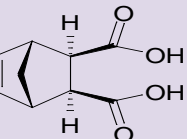
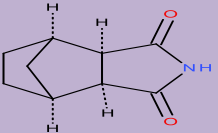
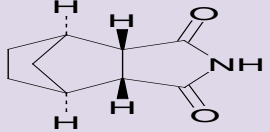
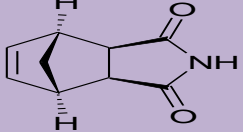
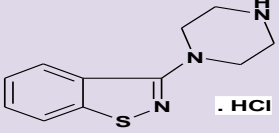
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500101	IABD089000	HYDROXYPROGESTERONE CAPROATE (IH : IMPURITY-A / RM : 17-HYDROXY PROGESTERONE)		CAS No : 68-96-2	
8500164	IBBD089000	HYDROXYPROGESTERONE CAPROATE (IH : IMPURITY-B)		CAS No. : 630-56-8	
8500228	ICBD089000	HYDROXYPROGESTERONE CAPROATE (IH : IMPURITY-C)			
8500274	IDBD089000	HYDROXYPROGESTERONE CAPROATE (IH : IMPURITY-D)		CAS No: 4596-16-1	
8500307	IEBD089000	HYDROXYPROGESTERONE CAPROATE : IMPURITY-E (IH : IMPURITY-E)			
8502967	ICRA21954	17-ALPHA HYDROXY PROGESTERONE : IMPURITY-C			

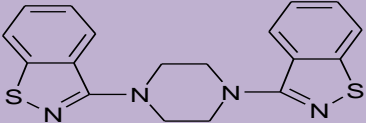
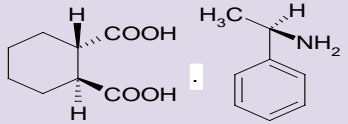
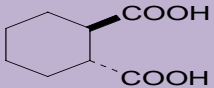
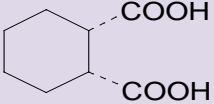
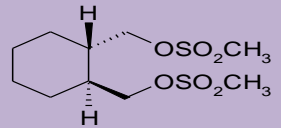
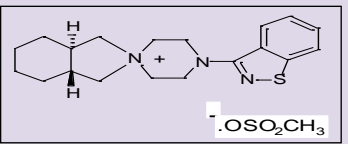
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8503024	IDRA21954	17-ALPHA HYDROXY PROGESTERONE : IMPURITY-D		CAS No : 57-83-0	
8507191	RSRA22027	N-HEXANOIC ACID / CAPROIC ACID (REFERENCE STANDARD)		CAS-No. 142-62-1	
8502575	I1BD082700	LEVOSALBUTAMOL HYDROCHLORIDE IMPURITY-F (USP : IMPURITY-F) / RAW MATERIAL/LEVALBUTEROL HYDROCHLORIDE STAGE-ID		CAS No : 56796-66-8	
8502751	I4RA22328	BENZYL METHYL SALICYLATE: DIOL IMPURITY		NOT FOUND	
8501354	I6RA22328	3-ACETYL BENZYL METHYL SALICYLATE		NOT FOND	
8501355	I7RA22328	4-ACETYL BENZYL METHYL SALICYLATE		CAS No : 27475-10-1	

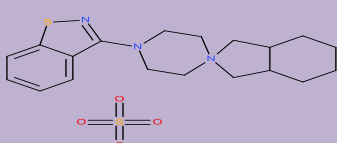
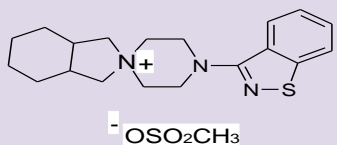
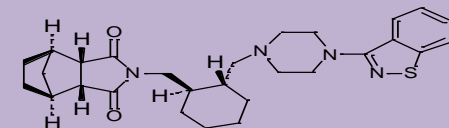
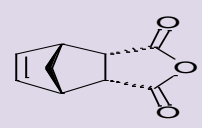
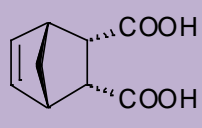
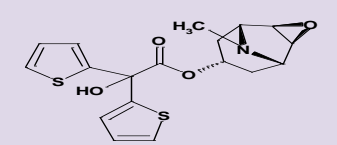


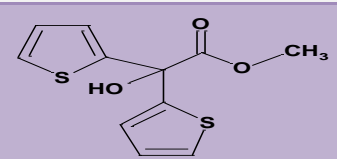
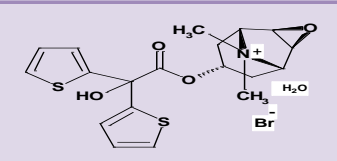
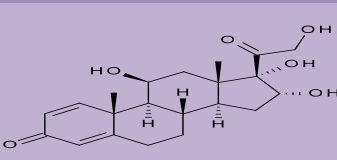
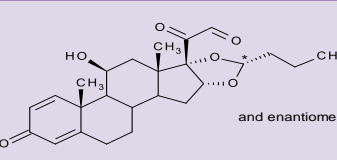
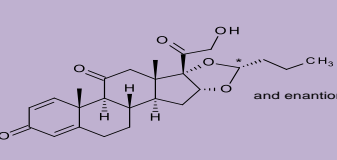
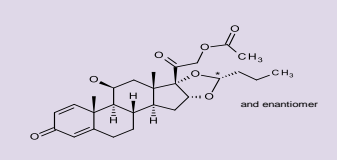
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8501356	I8RA22328	6-ACETYL BENZYL METHYL SALICYLATE		CAS No : 155134-69-3	
8505783	I1RA21850	5-ACETYL METHYL SALICYLATE		CAS No : 16475-90-4	
8502474	RSRI00636A	LEVOSALBUTAMOL HYDROCHLORIDE STAGE-I/LEVALBUTEROL HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)		NOT FOUND	
8502724	I3RA21850	ALPHA BROMO-2-BENZYL-5-ACETYL METHYL SALICYLATE		CAS No : 27475-14-5	
8501720	I1BD078000	LEVALBUTEROL HYDROCHLORIDE : ALBUTEROL IMPURITY		CAS No : 18559-94-9	
8502354	RSBD069800	LEVALBUTEROL TARTRATE (REFERENCE STANDARD)			

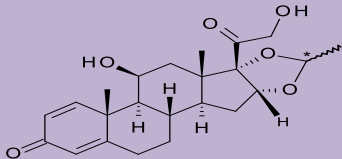
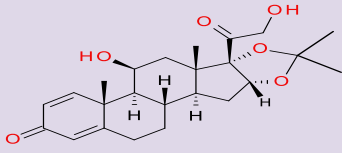
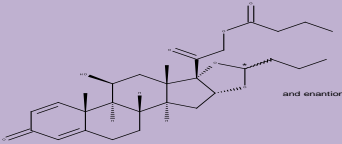
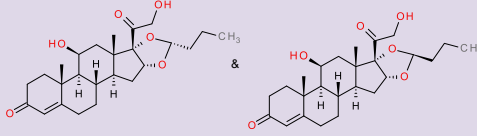
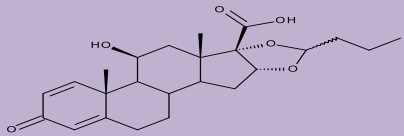
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502818	IABD061900	LURASIDONE HYDROCHLORIDE : IMPURITY-A (IH :IMPURITY-A)	 <chem>COS(=O)(=O)C12CCN(C1)CCN2c3ccsc3</chem>		
8502887	IBBD061900	LURASIDONE HYDROCHLORIDE : IMPURITY-B (IH : IMPURITY-B)	 <chem>C12CCN(C1)CCN2c3ccsc3</chem>	CAS No : 6713-41-3	
8502952	ICBD061900	LURASIDONE HYDROCHLORIDE : ENDO-ISOMER (IH : IMPURITY-C)	 <chem>C12CCN(C1)CCN2c3ccsc3</chem>		
8503010	IDBD061900	LURASIDONE HYDROCHLORIDE : RACEMIC LURASIDONE (IH : IMPURITY-D)	 <chem>C12CCN(C1)CCN2c3ccsc3</chem> .HCl		
8503231	IMBD061900	LURASIDONE HYDROCHLORIDE : DP-1 IMPURITY (IH : IMPURITY-M)	 <chem>NCC12CCN(C1)CCN2c3ccsc3</chem> .2HCl		
8504287	IOBD061900	LURASIDONE HYDROCHLORIDE : SULFUR OXIDE IMPURITY (DP4) (IH : IMPURITY-O)	 <chem>C12CCN(C1)CCN2c3cc(=O)sc3</chem> AND Enantiomer	Not found	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502344	RSBD061900	LURASIDONE HYDROCHLORIDE (REFERENCE STANDARD)	 Chemical structure of Lurasidone Hydrochloride, showing a bicyclic core with a piperazine ring and a benzothiazole group, labeled with .HCl.	CAS Number 367514-88-3	
8502498	RSRI00991A	LURASIDONE HYDROCHLORIDE STAGE-IIA	 Chemical structure of Lurasidone Hydrochloride Stage-IIA, showing a bicyclic core with two hydroxyl groups, labeled with .HCl.	Not found	
8502485	RSRI00872A	LURASIDONE HYDROCHLORIDE STAGE-II	 Chemical structure of Lurasidone Hydrochloride Stage-II, showing a bicyclic core with a carbonyl group and an NH group, labeled with .HCl.	Not found	
8502633	I1RI00872A	LURASIDONE HYDROCHLORIDE : ENDO ISOMER OF STAGE-II	 Chemical structure of Lurasidone Hydrochloride Endo isomer, showing a bicyclic core with a carbonyl group and an NH group, labeled with .HCl.	Not found	
8502696	I2RI00872A	LURASIDONE HYDROCHLORIDE STAGE-II : OLEFIN IMPURITY	 Chemical structure of Lurasidone Hydrochloride Stage-II Olefin impurity, showing a bicyclic core with a carbonyl group and an NH group, labeled with .HCl.	CAS No : 6319-06-8	
8501089	RSRA20671	3-(1-PIPERAZINYL)-1,2-BENZISOTHIAZOLE HYDROCHLORIDE (REFERENCE STANDARD)	 Chemical structure of 3-(1-piperazinyl)-1,2-benzisothiazole Hydrochloride, showing a benzisothiazole ring system with a piperazine group, labeled with .HCl.	CAS No : 87691-88-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502582	IIRA20671	3-(1-PIPERAZINYL)-1,2-BENZISOTHIAZOLE HYDROCHLORIDE : DIMER IMPURITY		CAS No : 223586-82-1	
8502484	RSRI00871A	LURASIDONE HYDROCHLORIDE STAGE-IB		Not found	
8502483	RSRI00870A	LURASIDONE HYDROCHLORIDE STAGE-IA (REFERENCE STANDARD)		CAS No : 610-10-6	
8502632	IIRI00870A	LURASIDONE HYDROCHLORIDE STAGE-IA:CIS ISOMER		CAS No : 610-09-3	
8502488	RSRI00894A	LURASIDONE HYDROCHLORIDE STAGE-ID (REFERENCE STANDARD)		CAS No : 186204-35-3	
8502489	RSRI00895A	LURASIDONE HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)		CAS No : 186204-37-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502640	I1RI00895A	LURASIDONE HYDROCHLORIDE STAGE-I : CIS ISOMER IMPURITY		Not found	
8502701	I2RI00895A	LURASIDONE HYDROCHLORIDE STAGE-I : RACEMIC MIXTURE		Not found	
8502490	RSRI00896A	LURASIDONE HYDROCHLORIDE STAGE-III (REFERENCE STANDARD)		CAS No : 367514-87-2	
8502405	RSRA22079	CIS-5-NORBORNENE-ENDO-2,3-DICARBOXYLIC ACID ANHYDRIDE		CAS No : 129-64-6	
8505784	I1RA22079	CIS-5-NORBORNENE-ENDO-2,3-DICARBOXYLIC ACID ANHYDRIDE :ENDO ACID IMPURITY		CAS No : 3853-88-1	
8502810	IABD04260 A	TIOTROPIUM BROMIDE MONOHYDRATE : IMPURITY-A / STAGE-II (IH : IMP-A)		CAS No : 136310-64-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502879	IBBD04260 A	TIOTROPIUM BROMIDE MONOHYDRATE : IMPURITY-B / STAGE-I (IH : IMP-B)		CAS:28540-31-0	
8502334	RSBD04260 0	TIOTROPIUM BROMIDE MONOHYDRATE (REFERENCE STANDARD)		CAS Number: 411207-31-3	
8500412	IABD005800	BUDESONIDE IMPURITY: 16-ALFA-HYDROXY PREDNISOLONE (IH/USP/Ph. Eur. : IMPURITY-A)		CAS No 13951- 70-7	
8500437	ICBD005800	BUDESONIDE IMPURITY: 21-DEHYDRO BUDESONIDE (IH/USP : IMP.-C / Ph. Eur. : IMPURITY-D)			
8503217	ILBD005800	BUDESONIDE IMPURITY: 11-KETO BUDESONIDE (IH/USP/Ph. Eur. : IMPURITY-L)		CAS Number : 216453-74-6	
8500479	IKBD005800	BUDESONIDE IMPURITY: 21-ACETATE OF BUDESONIDE (IH/USP/Ph. Eur. : IMPURITY-K)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500395	I1BD005800	BUDESONIDE : ACETYL IMPURITY [USP : BUDESONIDE ACETALDEHYDE ACETAL (EPIMERS)]			
8500399	I2BD005800	BUDESONIDE : DESONIDE IMPURITY RS		CAS No : 638-94-8	
8500402	I3BD005800	BUDESONIDE : 21-BUTYRATE IMPURITY (USP : BUDESONIDE 21-BUTYRATE)			
8504500	I6BD005800	BUDESONIDE : 1,2-DIHYDROBUDESONIDE (USP/PH.EUR. : IMPURITY G)		CAS No : 137174-25-5	
8504009	I4BD005800	BUDESONIDE : 17-CARBOXYLIC ACID IMPURITY		CAS No : 192057-49-1	
8504836	I4RA21413	16ALPHA-HYDROXPREDNISOLONE : SYSTEM SUITABILITY MIXTURE OF 16ALPHA-HYDROXPREDNISOLONE AND 1,2- DIHYDRO IMPURITY	NA		

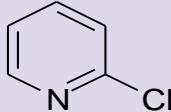
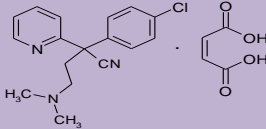
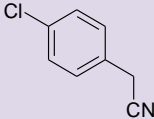
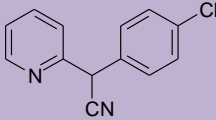
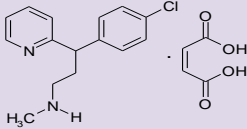


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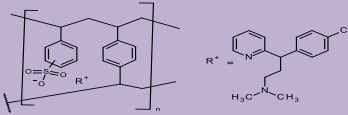
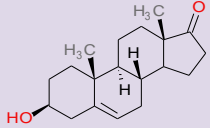
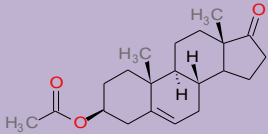
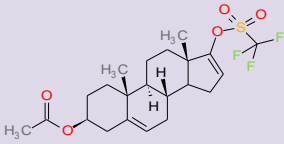
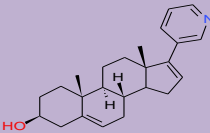
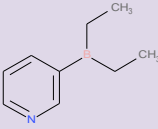
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506768	8506768	BUDESONIDE FOR SYSTEM SUITABILITY CRS	NA		
8502785	IABD0086O0	CHLORPHENIRAMINE MALEATE : IMPURITY-A (IH : IMP-A)		CAS Number: 109-09-1	
8502850	IBBD0086O0	CHLORPHENIRAMINE MALEATE : IMPURITY-B (IH : IMP-B, BP/Ph.Eur. : IMP-D)			
8502919	ICBD0086O0	CHLORPHENIRAMINE MALEATE : IMPURITY-C (IH : IMP-C)		CAS Number 140-53-4	
8502979	IDBD0086O0	CHLORPHENIRAMINE MALEATE : IMPURITY-D (IH : IMP-D)		CAS Number 5005-37-8	
8503034	IEBD0086O0	CHLORPHENIRAMINE MALEATE : DES METHYL IMPURITY (IH : IMP-E, BP/Ph.Eur. : IMP-C,USP- RELATED COMPOUND-C)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502310	RSBD008800	CHLORPHENIRAMINE POLYSTIREX (24%) (REFERENCE STANDARD)			
8500098	IABD063300	ABIRATERONE ACETATE [IH : IMPURITY-A / RM :DEHYDROEPI ANDROSTERONE (DHEA)]		CAS NO : 53-43-0	
8500162	IBBD063300	ABIRATERONE ACETATE [IH : IMP.-B / RM: DEHYDROEPI ANDROSTERONE-3-ACETATE (DHEAA) / ABIRATERONE ACETATE STAGE-IA (DHEAA)		CAS NO : 853-23-6	
8500225	ICBD063300	ABIRATERONE ACETATE(IH : IMPURITY-C / STAGE-I)		CAS NO : 115375-60-5	
8500273	IDBD063300	ABIRATERONE ACETATE (IH : IMPURITY-D , DEACETYL)		CAS NO : 154229-19-3	
8501875	IEBD063300	ABIRATERONE ACETATE [IH : IMPURITY-E / RM : DIETHYL(3-PYRIDYL)BORANE]		CAS NO : 89878-14-8	

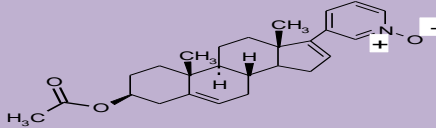
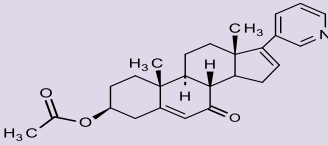
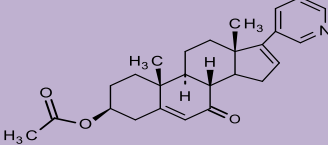
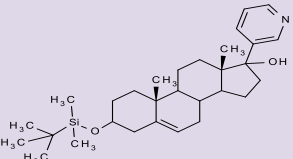


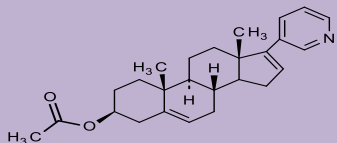
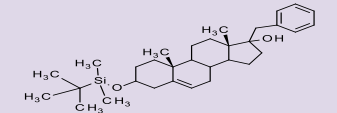
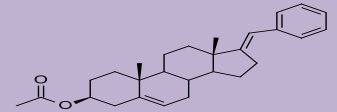
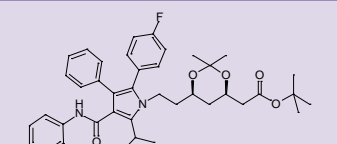
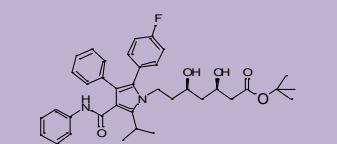
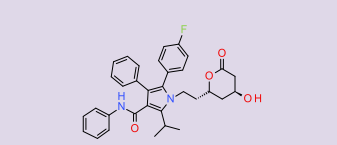
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503161	IHBD063300	ABIRATERONE ACETATE N-OXIDE IMPURITY (IH : IMPURITY-H)			
8504387	I10BD06330	ABIRATERONE ACETATE USP IMPURITY : 7-KETO ABIRATERONE ACETATE		CAS NO : 2410075-48-6	
8504385	I8BD063300	ABIRATERONE ACETATE USP IMPURITY : 3-DEOXY-3-CHLORO ABIRATERONE			
8504963	I16BD06330	USP ABIRATERONE SYSTEM SUITABILITY MIXTURE RS	NA		
8501701	I5RI01366A	ABIRATERONE ACETATE STAGE-III: SYSTEM SUITABILITY	NA		
8501542	RSRI01363A	ABIRATERONE ACETATE STAGE-II (REFERENCE STANDARD)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501609	RSBD06330 X	ABIRATERONE ACETATE (REFERENCE STANDARD)			
8504694	I14BD06330	ABIRATERONE ACETATE IMPURITY : 17-BENZYL-3BETA-(TERT-BUTYL DIMETHYLSILYL)-OXY-ANDROSTA-5-ENE			
8504695	I15BD06330	ABIRATERONE ACETATE IMPURITY : 17-BENZYLIDENE-ANDROSTA-5,6-DIEN-3B-YL ACETATE			
8503071	IFBD003400	ATORVASTATIN : IMPURITY-F (IH : IMP-F)			
8503111	IGBD003400	ATORVASTATIN : IMPURITY-G (IH : IMP-G)			
8503143	IHBD003400	ATORVASTATIN : IMPURITY-H (IH : IMP-H , USP : RELATED COMPOUND-H)			

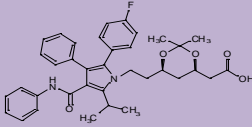
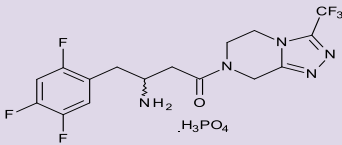
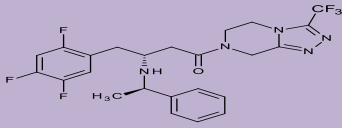
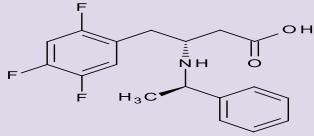
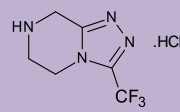
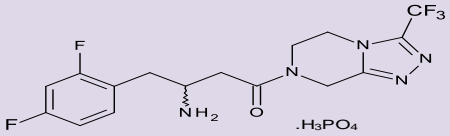


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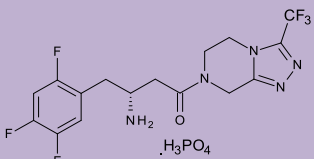
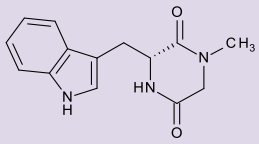
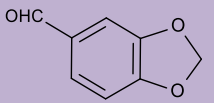
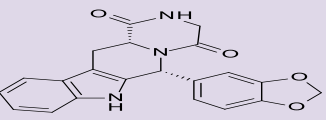
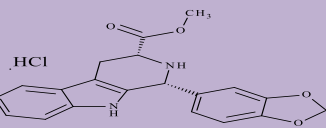
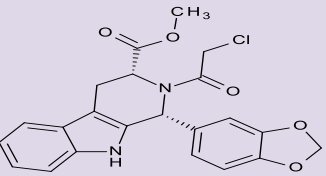
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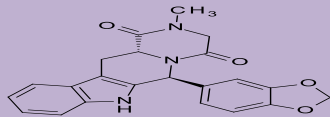
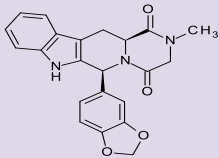
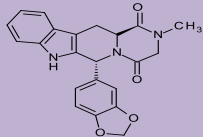
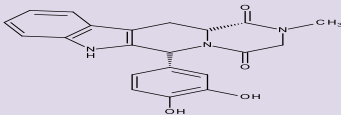
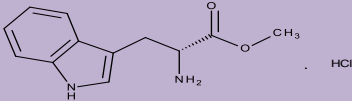
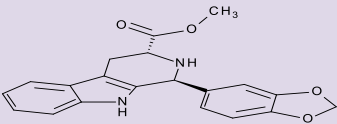
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503171	IIBD003400	ATORVASTATIN : IMPURITY-I (IH : IMP-I)			
8502807	IABD039200	SITAGLIPTIN IMPURITY-A (IH) : RACEMIC MIXTURE OF SITAGLIPTIN PHOSPHATE			
8502876	IBBD039200	SITAGLIPTIN IMPURITY-B (IH) : SITAGLIPTIN STAGE-V			
8502944	ICBD039200	SITAGLIPTIN IMPURITY-C (IH)		CAS No. 1345822-99-2	
8503003	IDBD039200	SITAGLIPTIN IMPURITY-D (IH) : 3-(TRIFLUOROMETHYL)-5,6,7,8-TETRAHYDRO [1,2,4] TRIAZOLO [4,3:A] PYRAZINE HYDROCHLORIDE		CAS NO : 762240-92-6	
8503053	IEBD039200	SITAGLIPTIN IMPURITY-E (IH) : 2, 4-DIFLUORO IMPURITY			



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500750	RSBD039200	SITAGLIPTIN PHOSPHATE (REFERENCE STANDARD)		CAS Number 654671-77-9	Discontinue due to official std available in Pharmacopeia
8501967	IABD041000	TADALAFIL : TRYPTOPHAN IMPURITY (IH : IMP-A)			
8501969	IBBD041000	TADALAFIL : PIPERONAL IMPURITY (IH : IMP-B)		CAS NO : 120-57-0	
8501970	ICBD041000	TADALAFIL : DESMETHYL IMPURITY (IH : IMP-C)		CAS NO : 171596-36-4	
8501966	IDBD041000	TADALAFIL : IMPURITY-D (IH : IMPURITY-D) / TADALAFIL STAGE-I		CAS NO : 171752-68-4	
8501971	IEBD041000	TADALAFIL : IMPURITY-E (IH)		CAS NO : 171489-59-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503089	IFBD041000	TADALAFIL : (6S,12aR)- TRANS-TADALAFIL ( IH : IMP-F, Ph.Eur.: IMP-C)		CAS No. : 171596-28-4	
8503128	IGBD041000	TADALAFIL : ENANTIOMER IMPURITY (IH : IMP-G, Ph.Eur.: IMP-B)		CAS NO : 629652-72-8	
8503154	IHBD041000	TADALAFIL : (6R,12aS)-TRANS-TADALAFIL (IH : IMP-H , Ph.Eur.: IMP-A)		CAS. No. 171596-27-3	
8501968	IIBD041000	TADALAFIL: CATECHOL IMPURITY (IH: IMPURITY-I)		CAS. No. 171489-03-5	
8502684	I2RA22145	D-TRYPTOPHAN IMPURITY : METHYL ESTER-D-TRYPTOPHAN HYDROCHLORIDE IMPURITY		CAS. No. 14907-27-8	
8502585	I1RA21222	TADALAFIL STAGE-I IMPURITY : TRANS ISOMER		CAS. No. 171596-42-2	

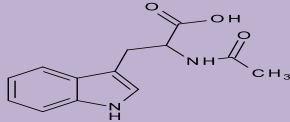
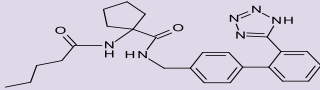
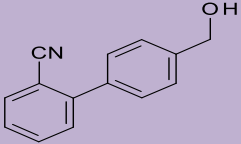
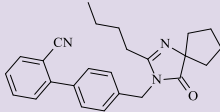
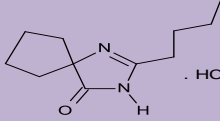
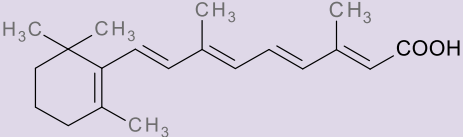


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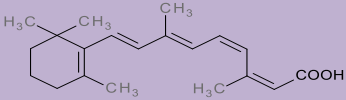
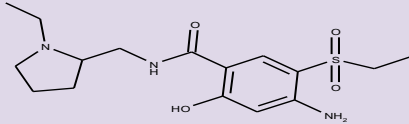
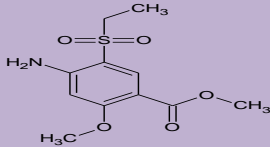
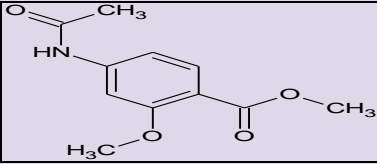
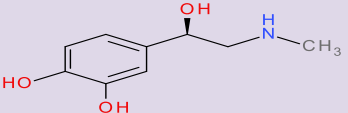
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502602	IIRA22145	D-TRYPTOPHAN IMPURITY : ACETYL-D-TRYPTOPHAN IMPURITY		CAS. No. 2280-01-5	
8502797	IABD022000	IRBESARTAN : IMPURITY-A (IH/BP/Ph.Eur.: IMP-A, USP-RELATED COMPOUND-A)		CAS Number: 748812-53-5	
8502865	IBBD022000	IRBESARTAN : IMPURITY-B (IH)		Cas No : 154709-19-0	
8502934	ICBD022000	IRBESARTAN : IMPURITY-C (IH)		Cas No : 138401-24- 8	
8502992	IDBD022000	IRBESARTAN : IMPURITY-D (IH)		Cas No : 151257-01-1	
8502799	IABD022400	ISOTRETINOIN IMPURITY-A : TRETINOIN (IH/Ph. Eur. : IMP.-A, USP-TRETINOION)		Cas No : 302-79-4	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502936	ICBD022400	ISOTRETINOIN IMPURITY-C : (IH/Ph. Eur. : IMP.-C)		Cas No : 3555-80-4	
8502846	IBBD002000	AMISULPRIDE IMPURITY-B (IH/BP/Ph.Eur. : IMPURITY-B)		Cas No : 148516-54-5	
8506578	8506578	AMISULPRIDE : 2-METHOXY-4-AMINO-5-ETHYLSULFONYL METHYL BENZOATE		CAS No : 71675-87-1	
8506579	8506579	AMISULPRIDE : 2-METHOXY-4-ACETAMINO BENZOIC ACID METHYL ESTER		CAS No.: 4093-29-2	
8507516	8507516	AMISULPRIDE FOR SYSTEM SUITABILITY CRS	NA		
8500049	IABD015000	EPINEPHRINE IMPURITY : RACEMIC EPINEPHRINE (IH : IMPURITY-A)		CAS NO : 329-65-7	

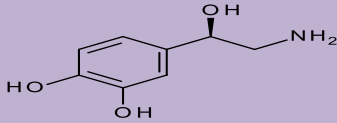
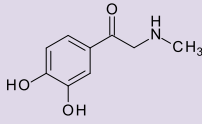
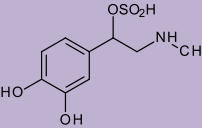
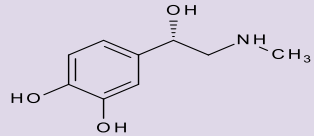
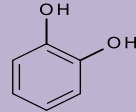
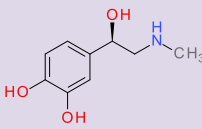


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502191	IBBD015000	EPINEPHRINE IMPURITY : NORADRENALINE (IH/Ph. Eur. : IMPURITY-B)			
8502160	ICBD015000	EPINEPHRINE IMPURITY : ADRENALONE / EPINEPHRINE STAGE-I (IH/Ph. Eur. : IMPURITY-C)			
8500241	IDBD015000	EPINEPHRINE IMPURITY : SULFONIC ACID IMPURITY (IH : IMPURITY-D)		CAS NO : 26405-77-6	
8502550	IIBD015000	EPINEPHRINE IMPURITY : EPINEPHRINE S-ISOMER IMPURITY		CAS NO : 150-05-0	
8502587	IIRA21403	2-CHLORO-3,4-DIHYDROXYACETOPHENONE IMPURITY :1,2 DIHYDROXYBENZENE (CATECHOL)		CAS NO : 120-80-9	
8500747	RSBD0150U A	EPINEPHRINE USP (PARENTERAL GRADE) (REFERENCE STANDARD)		CAS NO : 51-43-4	

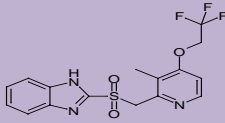
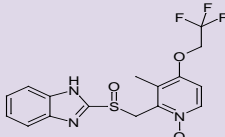
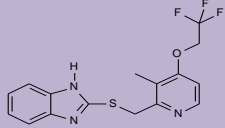
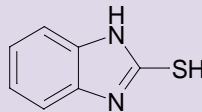
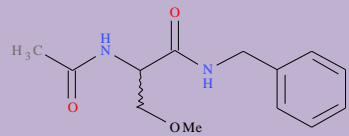
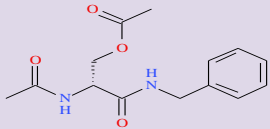


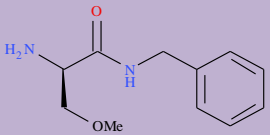
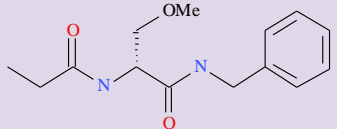
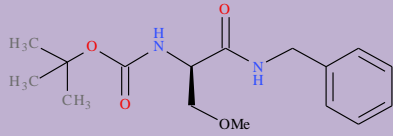
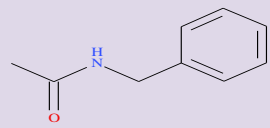
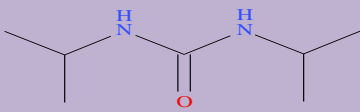
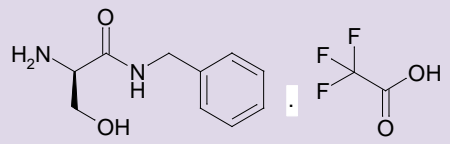
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502800	IABD023600	LANSOPRAZOLE SULFONE IMPURITY (IH : IMP-A,USP : RELATED COMPOUND-A,EP-IMP-B)		CAS No : 131926-99-3	
8502867	IBBD023600	LANSOPRAZOLE N-OXIDE IMPURITY (IH : IMP-B,USP : N-OXIDE IMPURITY,EP-IMP-A)		CAS No : 213476-12-1	
8502937	ICBD023600	LANSOPRAZOLE SULFIDE IMPURITY (IH/EP : IMP-C,USP : RELATED COMPOUND-B) / LANSOPRAZOLE STAGE-I		CAS No 103577-40-8	
8502994	IDBD02360A	LANSOPRAZOLE IMPURITY-D (IH : IMP-D,EP-IMP-E) / 2-MERCAPTO 1H-BENZIMIDAZOLE		CAS No : 583-39-1	
8500934	IABD023400	LACOSAMIDE : RACEMIC MIXTURE (IH/EP : IMP-A)		CAS No: 175481-37-5	
8500935	IBBD023400	LACOSAMIDE : O-ACETYL IMPURITY (IH/EP : IMP-B)		CAS No.: 1822463-67-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500938	ICBD023400	LACOSAMIDE : N-DESACETYL IMPURITY [IH : IMPURITY-C / EP-IMP-D(R-ISOMER)]/STAGE-IV		CAS No.: 1379592-19-4	
8500939	IDBD023400	LACOSAMIDE : N-PROPIONYL IMPURITY (IH : IMP-D)			
8500940	IEBD023400	LACOSAMIDE: N-BOC IMPURITY (IH : IMPURITY-E)/STAGE-III			
8500942	IFBD023400	LACOSAMIDE : N-BENZYLACETAMIDE (IH : IMP-F,EP-IMP-G)		CAS No: 588-46-5	
8500943	IGBD023400	LACOSAMIDE : UREA IMPURITY (IH : IMP-G)		CAS NO : 4128-37-4	
8500944	I2BD023400	LACOSAMIDE : DESACETYL DESMETHYL IMPURITY [EP-IMP-E]		CAS. No. 175481-39-7	

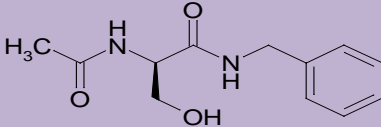
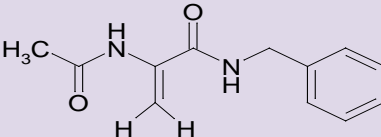
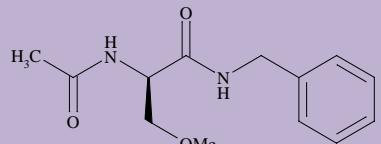
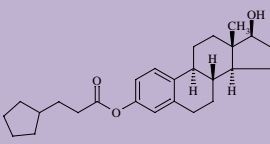
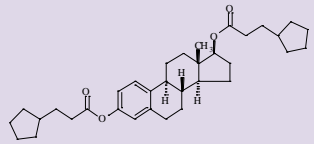


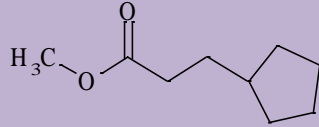
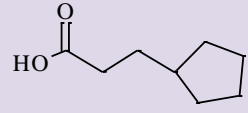
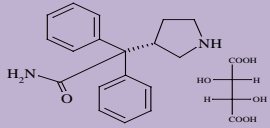
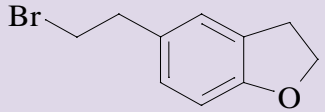
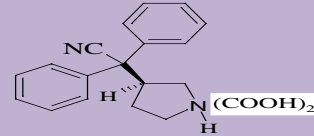
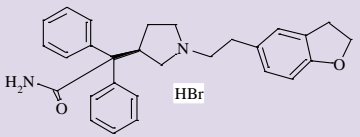
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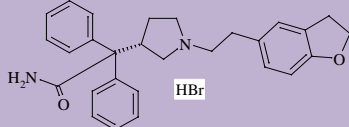
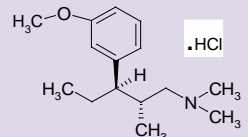
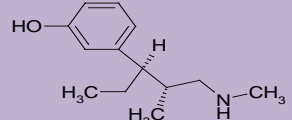
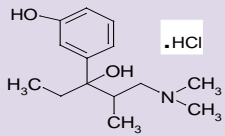
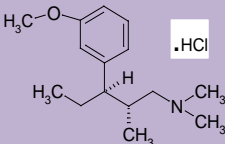
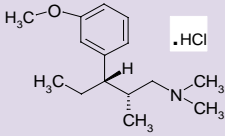
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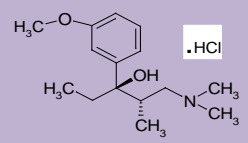
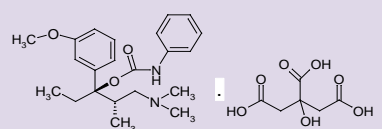
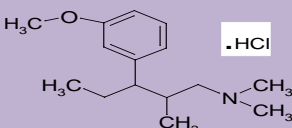
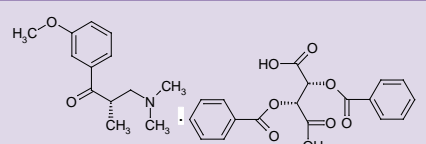
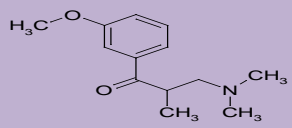
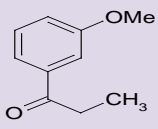
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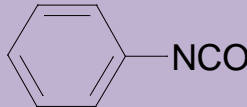
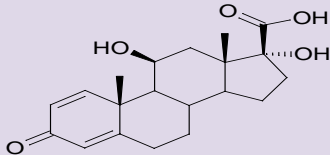
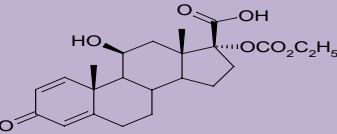
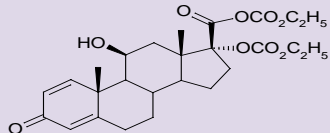
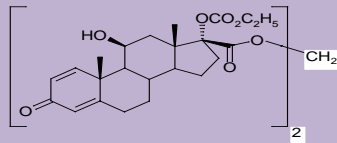
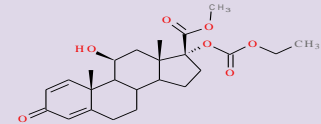
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8500947	I3BD023400	LACOSAMIDE : DESMETHYL IMPURITY [EP-IMP-F]		CAS No.: 171623-02-2	
8500948	I4BD023400	LACOSAMIDE : OLEFIN IMPURITY [EP-IMP-K]		CAS No: 86921-49-5	
8500661	RSBD023400	LACOSAMIDE (REFERENCE STANDARD)		CAS NO : 175481-36-4	Discontinue due to official std available in Pharmacopeia
8507520	8507520	LACOSAMIDE FOR SYSTEM SUITABILITY CRS	NA		
8502860	IBBD016000	ESTRADIOL CYPIONATE : IMP-B (IH : IMP-B)			
8502927	ICBD016000	ESTRADIOL CYPIONATE : IMP-C (IH : IMP-C)			

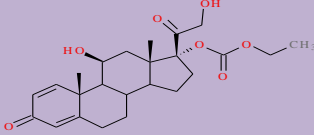
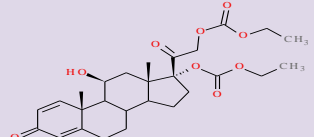
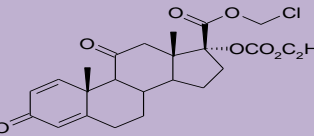
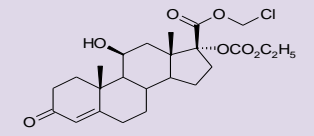
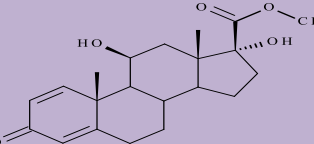
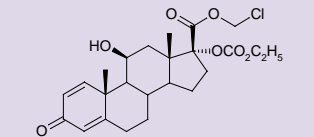
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502987	IDBD016000	3-CYCLOPENTYLPROPIONIC ACID METHYL ESTER / ESTRADIOL CYPIONATE: IMP-D (IH: IMP-D)		CAS NO : [ 4300-02-1]	
8503041	IEBD016000	3-CYCLOPENTYLPROPIONIC ACID / ESTRADIOL CYPIONATE: IMP-E (IH: IMP-E)		CAS NO : 140-77-2	
8502788	IABD011100	DARIFENACIN HYDROBROMIDE (IH : IMPURITY-A/ STAGE VI)			
8502853	IBBD011100	DARIFENACIN HYDROBROMIDE (IH : IMPURITY-B/ RAW MATERIAL, SIDE CHAIN)			
8502920	ICBD011100	DARIFENACIN HYDROBROMIDE (IH : IMPURITY-C/ STAGE V)			
8502546	IIBD011100	DARIFENACIN HYDROBROMIDE (IH : R-ISOMER)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502312	RSBD011100	DARIFENACIN HYDROBROMIDE (REFERENCE STANDARD)	 HBr		Discontinue due to official std available in Pharmacopeia
8502829	IABD107100	TAPENTADOL HYDROCHLORIDE : (2R,3R)-3-(3-METHOXYPHENYL)-N,N,2-TRIMETHYLPENTAN-1-AMINE HCl IMPURITY (IH:IMP-A)	 .HCl		
8502900	IBBD107100	TAPENTADOL HYDROCHLORIDE : N-DES METHYL IMPURITY (IH:IMP-B)	 H		
8502959	ICBD107100	TAPENTADOL HYDROCHLORIDE : DIHYDROXY IMPURITY (IH:IMP-C)	 .HCl		
8502400	RSRA21984	(2R,3R)-3-(3-METHOXYPHENYL)-N,N,2-TRIMETHYLPENTAN-1-AMINE HYDROCHLORIDE (REFERENCE STANDARD)	 .HCl		
8502839	IARA21984	(2R,3R)-3-(3-METHOXYPHENYL)-N,N,2-TRIMETHYLPENTAN-1-AMINE HYDROCHLORIDE: OTHER ISOMER IMPURITY (IH: IMP-A)	 .HCl		

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502910	IBRA21984	(2R,3R)-3-(3-METHOXYPHENYL)-N,N,2-TRIMETHYLPENTAN-1-AMINE HYDROCHLORIDE : HYDROXY DERIVATIVE IMPURITY (IH: IMP-B)			
8502968	ICRA21984	(2R,3R)-3-(3-METHOXYPHENYL)-N,N,2-TRIMETHYLPENTAN-1-AMINE HYDROCHLORIDE : CARBAMATE DERIVATIVE IMPURITY (IH: IMP-C)			
8503025	IDRA21984	(2R,3R)-3-(3-METHOXYPHENYL)-N,N,2-TRIMETHYLPENTAN-1-AMINE HYDROCHLORIDE : CHIRAL MIXTURE IMPURITY (IH: IMP-D)			
8502499	RSRI01009A	TAPENTADOL HYDROCHLORIDE STAGE-I (REFERENCE STANDARD)			
8502642	IIRI01009A	TAPENTADOL HYDROCHLORIDE STAGE-I [RACEMIC MIXTURE]			
8502406	RSRA22099	3-METHOXY PROPIOPHENONE [REFERENCE STANDARD]			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502408	RSRA22112	PHENYL ISOCYANATE (REFERENCE STANDARD)			
8500066	IABD025400	LOTEPREDNOL ETABONATE : STAGE-I (IH : IMPURITY-A)		CAS Number: 37927-29-0	
8500131	IBBD025400	LOTEPREDNOL ETABONATE : ACID IMPURITY (IH : IMPURITY-B)			
8500442	ICBD025400	LOTEPREDNOL ETABONATE : MIXED ANHYDRIDE IMPURITY (IH : IMPURITY-C)			
8500449	IDBD025400	LOTEPREDNOL ETABONATE : DIMER IMPURITY (IH : IMPURITY-D)			
8500457	IEBD025400	LOTEPREDNOL ETABONATE : DESCHLORO IMPURITY (IH : IMPURITY-E)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500461	IFBD025400	LOTEPREDNOL ETABONATE : 17-ETHYL CARBONATE IMPURITY (IH : IMPURITY-F)		CAS NO : 104286-02-4	
8500467	IGBD025400	LOTEPREDNOL ETABONATE : 17,21-DICARBONATE IMPURITY (IH : IMPURITY-G)			
8503151	IHBD025400	LOTEPREDNOL ETABONATE : 11-OXO IMPURITY (IH : IMPURITY-H)			
8501019	IIBD025400	LOTEPREDNOL ETABONATE : 1,2-DIHYDRO IMPURITY (IH : IMPURITY-I)			
8503289	IKRI00288B	LOTEPREDNOL ETABONATE STAGE-I : METHYL ESTER IMPURITY (IH : IMPURITY-K)			
8501030	RSBD025400	LOTEPREDNOL ETABONATE (REFERENCE STANDARD)			



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8500089	IABD041400	TEMOZOLOMIDE : IMPURITY-A [IH/EP : IMP-A,USP : DACARBAZINE RELATED COMPOUND A][AICA]		CAS NO : 72-40-2	
8500154	IBBD041400	TEMOZOLOMIDE : [IH : IMPURITY-B] / STAGE-II		CAS NO : 188612-53-5	
8500217	ICBD041400	TEMOZOLOMIDE : [IH : IMPURITY-C,USP : 2-AZAHYPOXANTHINE,EP-IMPURITY E]		CAS NO : 4656-86-4	
8500269	IDBD041400	TEMOZOLOMIDE : [IH : IMPURITY-D, TEMOZOLOMIDE ACID, EP : IMPURITY B]		CAS NO : 113942-30-6	
8501965	IEBD041400	TEMOZOLOMIDE IMPURITY : DIAZO AICA (IH : IMPURITY-E, USP : RELATED COMPOUND A,EP : IMPURITY D]		CAS NO : 7008-85-7	
8501707	IFBD041400	TEMOZOLOMIDE : IMPURITY-F [IH-IMP-F, USP-RELATED COMPOUND-B]		CAS NO : 13114-72-2	

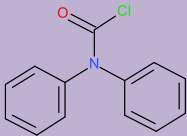
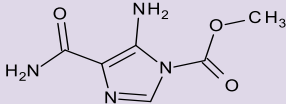
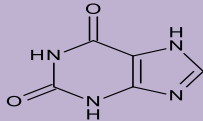
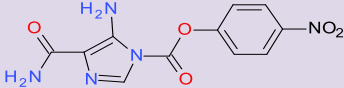
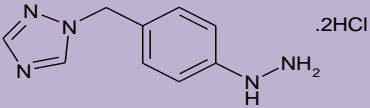
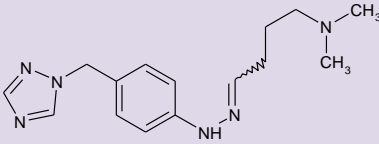


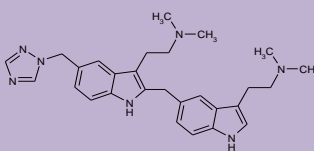
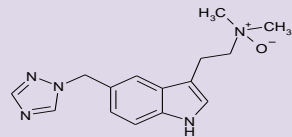
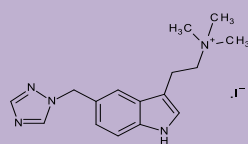
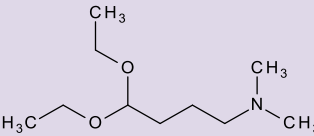
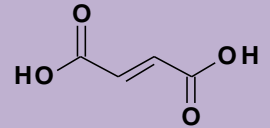
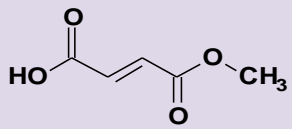
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8501706	IGBD041400	TEMOZOLOMIDE : IMPURITY-G [IH-IMP-G, USP-RELATED COMPOUND-C]		CAS NO : 83-01-2	
8502624	I1RI00541A	TEMOZOLOMIDE STAGE-II IMPURITY : METHYL CARBAMATE IMPURITY			
8502693	I2RI00541A	TEMOZOLOMIDE STAGE-II IMPURITY : XANTHINE		CAS NO : 69-89-6	
8507695	RSRI00540A	TEMOZOLAMIDE STAGE-I (REFERENCE STANDARD)		CAS NO : 196806-10-7	
8501358	IABD037600	RIZATRIPTAN HYDRAZINE IMPURITY (IH:IMPURITY-A)		CAS NO : 154748-67-1	
8501359	IBBD037600	RIZATRIPTAN HYDRAZONE IMPURITY (IH:IMPURITY-B)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501360	ICBD037600	RIZATRIPTAN DIMER IMPURITY (IH:IMPURITY-C / Ph. Eur. : IMPURITY-A)			
8501361	IDBD037600	RIZATRIPTAN N-OXIDE IMPURITY (IH:IMPURITY-D / Ph. Eur. : IMPURITY-H)		CAS NO : 260435-42-5	
8501362	IEBD037600	RIZATRIPTAN IMPURITY : QUATERNARY SALT IMPURITY (IH:IMPURITY-E)		--	
8505542	RSRA20741	4-(N,N-DIMETHYLAMINO)BUTANAL DIETHYL ACETAL (REFERENCE STANDARD)		CAS NO : 1116-77-4	
8500918	IABD106300	DIMETHYL FUMARATE : IMPURITY-A (IH : IMP-A)		CAS NO : 110-17-8	
8500919	IBBD106300	DIMETHYL FUMARATE : IMPURITY-B (IH : IMP-B)		CAS NO : 29791-36-4	

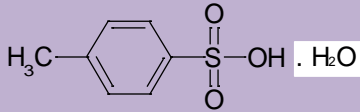
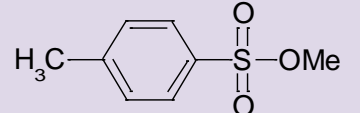
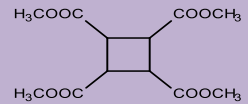
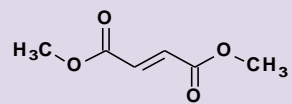
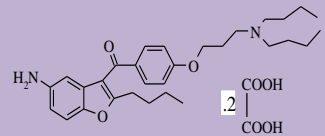
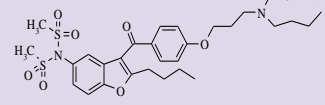


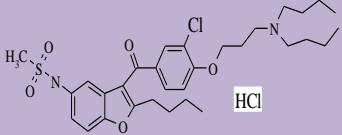
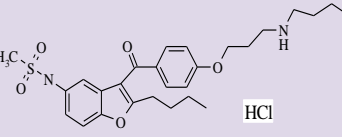
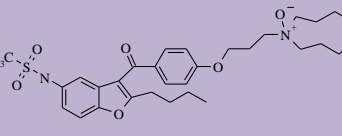
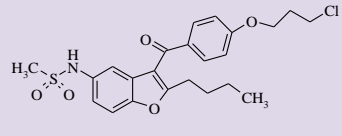
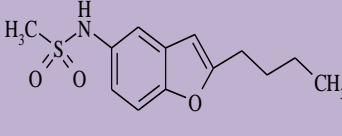
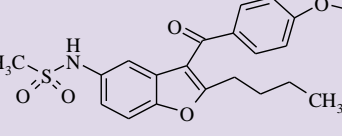
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8500920	IFBD106300	DIMETHYL FUMARATE : IMPURITY-F (IH : IMP-F)		CAS NO : 6192-52-5	
8500921	IGBD106300	DIMETHYL FUMARATE : IMPURITY-G (IH : IMP-G)		CAS NO : 80-48-8	
8501178	IHBD106300	DIMETHYL FUMARATE IMPURITY-H (IH : IMPURITY-H)		CAS NO : 14495-41-1	
8502359	RSBD106300	DIMETHYL FUMARATE (REFERENCE STANDARD)		CAS NO : 624-49-7	
8502817	IABD061400	DRONEDARONE HYDROCHLORIDE: IMPURITY-A (IH : IMPURITY-A )/ STAGE-VI			
8502886	IBBD061400	DRONEDARONE HYDROCHLORIDE: BIS IMPURITY (IH : IMPURITY-B)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502951	ICBD061400	DRONEDARONE HYDROCHLORIDE : CHLORO IMPURITY (IH : IMPURITY-C)	 HCl		
8503009	IDBD061400	DRONEDARONE HYDROCHLORIDE: DESBUTYL IMPURITY (IH : IMPURITY-D, USP-RELATED COMPOUND A)	 HCl		
8503059	IEBD061400	DRONEDARONE HYDROCHLORIDE: N-OXIDE IMPURITY (IH : IMPURITY-E)	 HCl		
8503095	IFBD061400	DRONEDARONE HYDROCHLORIDE CHLORO PROPYL IMPURITY (IH : IMPURITY-F)	 HCl		
8503132	IGBD061400	DRONEDARONE HYDROCHLORIDE IMPURITY-G (IH : IMPURITY-G)	 HCl		
8503160	IHBD061400	DRONEDARONE HYDROCHLORIDE IMPURITY-H (IH : IMPURITY-H)	 HCl		



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503192	IIRI00658A	DRONEDARONE HYDROCHLORIDE STAGE IV-IMPURITY-I (IH : IMPURITY -I)			
8503207	IJRI00658A	DRONEDARONE HYDROCHLORIDE STAGE IV-IMPURITY-J (IH : IMPURITY -J)			
8503216	IKRI00658A	DRONEDARONE HYDROCHLORIDE STAGE IV-IMPURITY-K (IH : IMPURITY -K)			
8503228	ILRI00658A	DRONEDARONE HYDROCHLORIDE STAGE IV-IMPURITY-L (IH : IMPURITY -L, USP-RELATED COMPOUND-D)			
8503237	IMRI00658A	DRONEDARONE HYDROCHLORIDE STAGE IV-IMPURITY-M (IH : IMPURITY -M)			
8503241	INRI00658A	DRONEDARONE HYDROCHLORIDE STAGE IV-IMPURITY-N (IH : IMPURITY -N)			





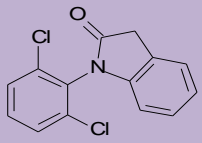
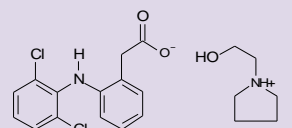
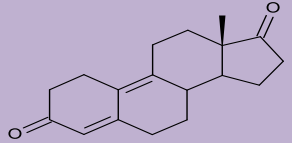
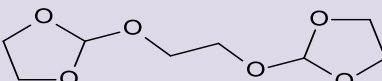
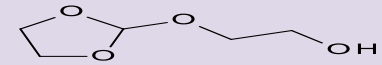
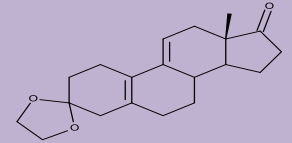
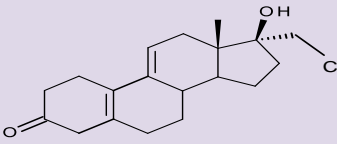
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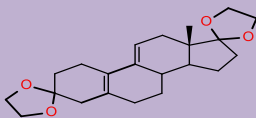
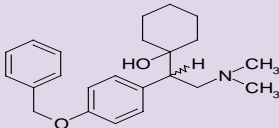
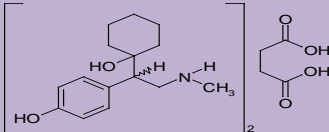
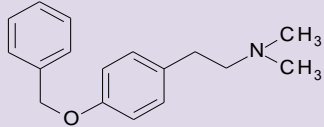
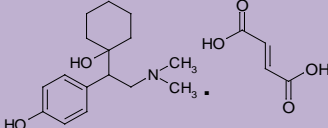
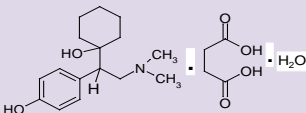
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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503244	IORI00660A	DRONEDARONE HYDROCHLORIDE-VI : IMPURITY-O (IH : IMPURITY-O,USP-RELATED COMPUOND-C)			
8503246	IPRI00660A	DRONEDARONE HYDROCHLORIDE STAGE-VI : IMPURITY-P (IH : IMPURITY-P)			
8502629	I1RI00668A	DRONEDARONE HYDROCHLORIDE-IVA : OLEFINE IMPURITY			
8502695	I2RI00668A	DRONEDARONE HYDROCHLORIDE-IVA : BROMO IMPURITY			
8502734	I3RI00668A	DRONEDARONE HYDROCHLORIDE-IVA : DIMER IMPURITY			
8502343	RSBD06140 0	DRONEDARONE HYDROCHLORIDE (REFERENCE STANDARD)		CAS Number 141625 -93-6	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501846	IABD076600	DICLOFENAC EPOLAMINE : IMPURITY-A (IH/Ph.Eur.: IMP-A, USP-RELATED COMPOUND-A)		CAS 15362-40-0	
8502356	RSBD076600	DICLOFENAC EPOLAMINE (REFERENCE STANDARD)		CAS -119623-66-4	
8502397	RSRA21876	ESTRA-4,9-DIENE-3,17-DIONE (REFERENCE STANDARD)		CAS NO : 5173-46-6	
8504184	RSRI00689A	DIENOGEST STAGE-IA (REFERENCE STANDARD)	 With minor content of monoketal as per following structure 	CAS NO : 4544-19-8	
8502669	I2BD066900	DIENOGEST IMPURITY : DIENOGEST STAGE-I		CAS NO : 5571-36-8	
8502744	I4BD066900	DIENOGEST IMPURITY : ISOMERIC IMPURITY		CAS NO : 106111-42-6	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502716	I3BD066900	DIENOGEST IMPURITY : DIKETAL IMPURITY		NA	
8502816	IABD061000	DESVENLAFAXINE IMPURITY-A (IH / USP : IMPURITY-A)		CAS No 93413-61-7	
8502885	IBBD061000	DESVENLAFAXINE IMPURITY-B (IH / USP : IMPURITY-B)			
8502950	ICBD061000	DESVENLAFAXINE IMPURITY-C (IH : IMPURITY-C)			
8502341	RSBD061000	DESVENLAFAXINE FUMARATE (REFERENCE STANDARD)		CAS No : 93414-04-1	
8502314	RSBD011700	DESVENLAFAXINE SUCCINATE (REFERENCE STANDARD)		CAS No 386750-22-7	

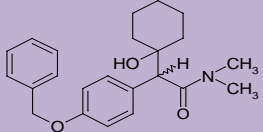

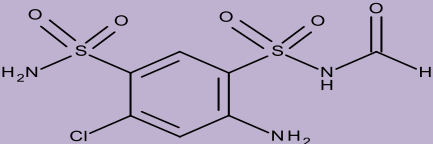
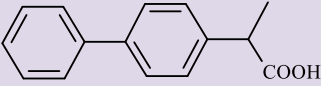
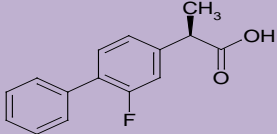
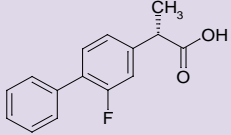


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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502475	RSRI00652A	DESVENLAFAXINE STAGE-III (REFERENCE STANDARD)			
8502784	IABD008500	CHLOROTHIAZIDE IMPURITY-A (IH/USP : IMP-A) / RM : 4-ACBD		CAS NO : 121-30-2	
8507194	IBBD008500	CHLOROTHIAZIDE: N-FORMYL IMPURITY (IH: IMP-B)		CAS No 1753-71-5	
8502066	IABD069400	FLURBIPROFEN : [IH/Ph.Eur.: IMP-A , USP : RELATED COMPOUND A]		CAS NO : 6341-72-6	
8500018	I1BD069400	S-(+)-FLURBIPROFEN : R-(-)-FLURBIPROFEN IMPURITY			
8500751	RSBD069400	S-(+)- FLURBIPROFEN (REFERENCE STANDARD)			



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502790	IABD012400	DIFLUPREDNATE : STAGE-II IMPURITY (IH: IMP-A) / DIFLUPREDNATE STAGE-II (REFERENCE STANDARD)		CAS number : 23640-96-2	
8502855	IBBD012400	DIFLUPREDNATE : RM IMPURITY (IH: IMP-B) / 6ALPHA,9ALPHA DIFLUORO PREDNISOLONE (REFERENCE STANDARD)		CAS NO : 806-29-1	
8502923	ICBD012400	DIFLUPREDNATE : STAGE-I IMPURITY (IH: IMP-C) / DIFLUPREDNATE STAGE-I (REFERENCE STANDARD)			
8502984	IDBD012400	DIFLUPREDNATE : 21-BUTYRATE IMPURITY (IH: IMP-D)			
8503038	IEBD012400	DIFLUPREDNATE : 17-ACETATE IMPURITY (IH: IMP-E)			
8503077	IFBD012400	DIFLUPREDNATE : 21-ACETATE IMPURITY (IH: IMP-F)			



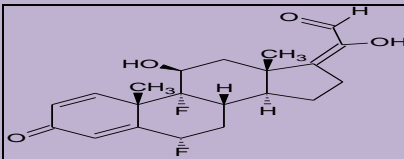
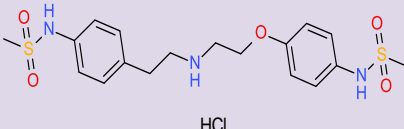
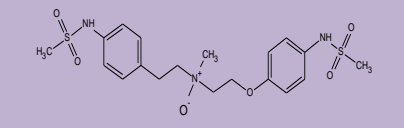
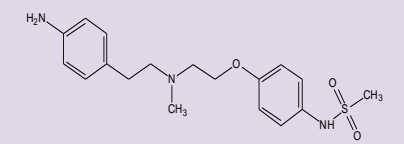
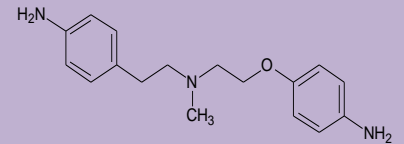
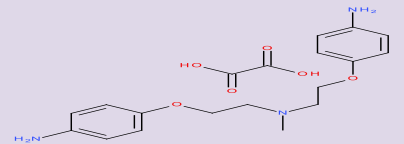
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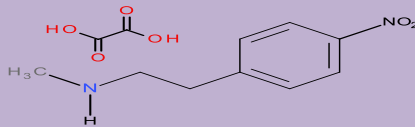
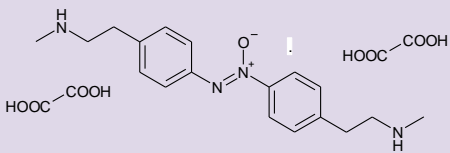
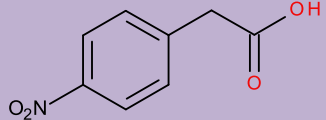

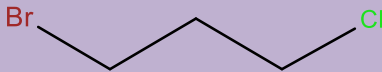

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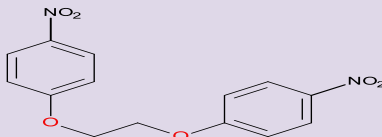
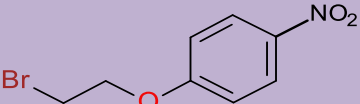
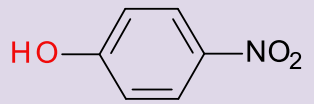
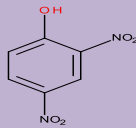
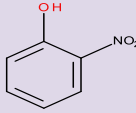
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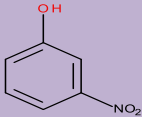
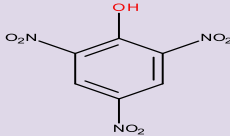
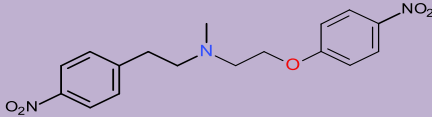
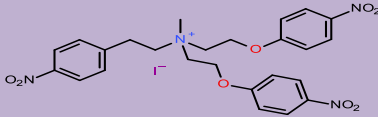
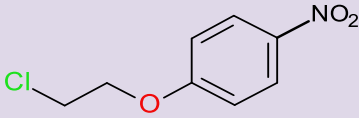
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8503115	IGBD012400	DIFLUPREDNATE : 17,21-DIACETATE IMPURITY (IH: IMP-G)		CAS NO : 23641-05-6	
8503147	IHBD012400	DIFLUPREDNATE : 17-ACETATE, 21-BUTYRATE IMPURITY (IH: IMP-H)			
8503174	IIBD012400	DIFLUPREDNATE : 11,21-DIACETATE, 17-BUTYRATE IMPURITY (IH: IMP-I)			
8502315	RSBD012400	DIFLUPREDNATE (REFERENCE STANDARD)		CAS NO : 23674-86-4	
8501704	IIBD012400	DIFLUPREDNATE : DIFLUPREDNATE-17-CARBOXYLIC ACID IMPURITY		CAS No. 167997-12-8	
8506641	8506641	DIFLUPREDNATE: 0.73 RRT DIFLUPREDNATE IMPURITY			

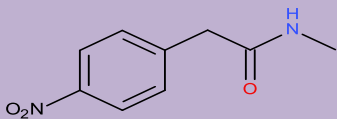
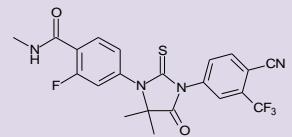
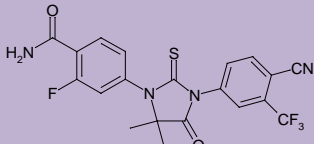
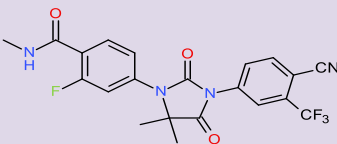
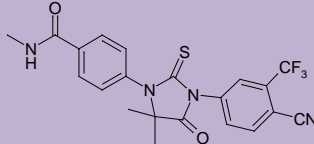
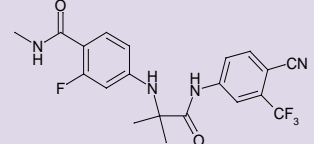
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8506644	8506644	DIFLUPREDNATE: 0.69 RRT DIFLUPREDNATE IMPURITY			
8502155	IABD123800	DOFETILIDE : DESMETHYL IMPURITY [IH: IMP-A, USP-RELATED COMPOUND-A]	 .HCl	CAS NO : 176447-94-2	
8502302	IBBD123800	DOFETILIDE N-OXIDE IMPURITY (IH : IMPURITY-B)			
8502964	ICBD123800	DOFETILIDE PHENOXYMONO SULPHONAMIDO IMPURITY (IH : IMPURITY-C)			
8502507	RSRI01074A	DOFETILIDE STAGE-V (REFERENCE STANDARD)			Hygroscopic
8502645	IIRI01074A	DOFETILIDE STAGE-V : DIMER IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502505	RSRI01072A	DOFETILIDE STAGE-III (REFERENCE STANDARD)		CAS NO : 85176-37-0	
8501488	IIRI01072A	DOFETILIDE STAGE-III : AZOXY IMPURITY			
8502414	RSRA22231 A	P-NITROPHENYLACETIC ACID		CAS Number 104-03-0	
8502415	RSRA22233	1-BROMO-2-CHLOROETHANE (REFERENCE STANDARD)		CAS NO : 107- 04-0	
8503475	IIRA22233	1-BROMO-3-CHLOROPROPANE		CAS NO : 109- 70-6	
8503476	I2RA22233	DIBROMO ETHANE / 1,2-DIBROMOETHANE		CAS NO : 106- 93-4	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503477	I3RA22233	DICHLOROETHANE / 1,2-DICHLOROETHANE		CAS NO : 107-06-2	
8502643	I1RI01070A	DOFETILIDE STAGE-I : DIMER IMPURITY		CAS 14467-69-7	
8502301	I2RI01070A	DOFETILIDE STAGE-I-BROMO ANALOGUE (REFERENCE STANDARD)		CAS : 5339-26-4	
8502372	RSRA20798 A	P-NITROPHENOL (REFERENCE STANDARD)		CAS No : 100-02-7	
8506461	I1RA20798A	2,4-DINITROPHENOL		CAS Number: 51-28-5	
8506462	I2RA20798A	O-NITROPHENOL / 2-NITROPHENOL		CAS Number: 88-75-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506463	I3RA20798A	M-NITROPHENOL / 3-NITROPHENOL		CAS Number: 554-84-7	
8506396	I4RA20798A	PICRIC ACID / 2,4,6-TRINITROPHENOL		CAS Number: 88-89-1	
8502506	RSRI01073A	DOFETILIDE STAGE-IV (REFERENCE STANDARD)			
8502644	I1RI01073A	DOFETILIDE STAGE-IV (FOR SYSTEM SUITABILITY)	NA		
8502702	I2RI01073A	DOFETILIDE STAGE-IV : QUATERNARY SALT IMPURITY			
8502503	RSRI01070A	DOFETILIDE STAGE-I (REFERENCE STANDARD)		CAS Number : 3383-72-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502504	RSRI01071A	DOFETILIDE STAGE-II (REFERENCE STANDARD)		CAS. No. 98245-61-5	
8502363	RSBD123700	ENZALUTAMIDE (REFERENCE STANDARD)		CAS Number 915087-33-1	
8502831	IABD123700	ENZALUTAMIDE DES-METHYL IMPURITY (IH : IMPURITY-A)		CAS Number 1242137-16-1	
8502904	IBBD123700	ENZALUTAMIDE : METABOLITE OF ENZALUTAMIDE (IH : IMPURITY-B)		CAS Number: 1242137-18-3	
8502963	ICBD123700	ENZALUTAMIDE DES-FLUORO IMPURITY (IH : IMPURITY-C)		CAS Number: 915087-16-0	
8503020	IDBD123700	ENZALUTAMIDE IMPURITY-D (IH : IMPURITY-D)		CAS Number: 1289942-55-7	

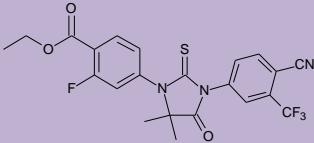
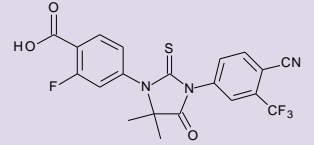
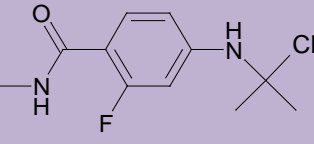
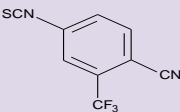
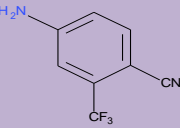
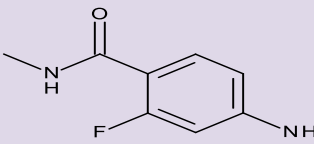


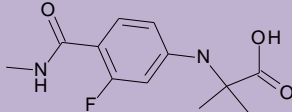
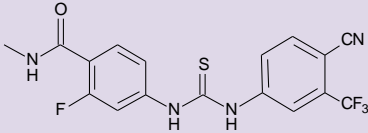
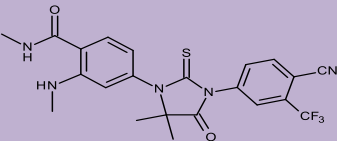
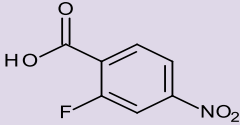
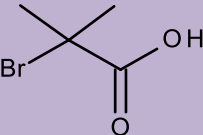
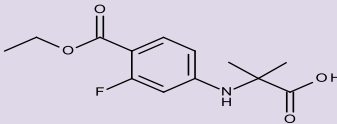
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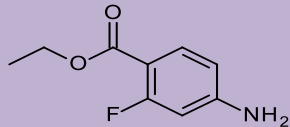
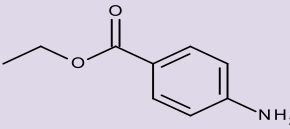
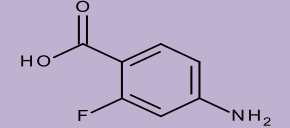
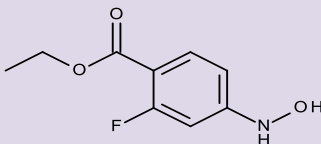
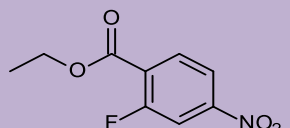
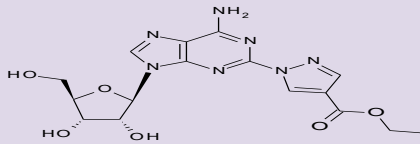
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**API RESEARCH DEPT.**

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502515	RSRI01150A	ENZALUTAMIDE STAGE-IV (REFERENCE STANDARD) / ENZALUTAMIDE IMPURITY-F : ETHYLESTER IMPURITY (IH : IMP-F)		CAS Number: 1802242-43-8	
8503139	IGBD123700	ENZALUTAMIDE IMPURITY-G : ACID IMPURITY (IH : IMPURITY-G)		CAS No 1242137-15-0	
8503169	IHBD123700	ENZALUTAMIDE IMPURITY-H (IH : IMPURITY-H)			
8502412	RSRA22191	4-ISOTHIOCYANATO-2-(TRIFLUOROMETHYL)BENZONITRILE (REFERENCE STANDARD) / (ENZALUTAMIDE IMPURITY-I)		CAS No : 143782-23-4	
8502604	IIRA22191	4-AMINO-2-(TRIFLUOROMETHYL)BENZONITRILE / ENZALUTAMIDE IMPURITY- J (IH : IMPURITY-J)		CAS No : 654-70-6	
8503215	IKBD123700	ENZALUTAMIDE IMPURITY-K (IH : IMPURITY-K)		CAS No : 915087-25-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503227	ILBD123700	ENZALUTAMIDE IMPURITY-L (IH : IMPURITY-L)			
8503236	IMBD123700	ENZALUTAMIDE IMPURITY- M (IH: Impurity- M)			
8501501	INBD123700	ENZALUTAMIDE IMPURITY- N (IH: IMPURITY-N)			
8502420	RSRA22310	2-FLUORO-4-NITROBENZOIC ACID (REFERENCE STANDARD)		CAS NO : 403-24-7	
8502419	RSRA22289	2-BROMO-2-METHYLPROPIONIC ACID (REFERENCE STANDARD )		CAS : 2052-01-9	
8502514	RSRI01149A	ENZALUTAMIDE STAGE-III (REFERENCE STANDARD)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502513	RSRI01148A	ENZALUTAMIDE STAGE-II (REFERENCE STANDARD)			
8502737	I3RI01148A	4-AMINOBENZOIC ACID ETHYLESTER		CAS NO : 94-09-7	
8502756	I4RI01148A	2-FLUORO-4-AMINOBENZOIC ACID		CAS NO : 446-31-1	
8502648	I1RI01148A	2-FLUORO-4-(HYDROXYAMINO)BENZOIC ACID ETHYL ESTER			
8502510	RSRI01094B	ENZALUTAMIDE STAGE-I (REFERENCE STANDARD)			
8504518	RSRI01082A	REGADENOSON STAGE-III (REFERENCE STANDARD) / REGADENOSON IMPURITY-A (IH :IMPURITY-A)		CAS NO : 313348-16-2	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8500435	IBBD124100	REGADENOSON ACID IMPURITY (IH : IMPURITY-B)		CAS NO : 313348-29-7	
8500445	ICBD124100	REGADENOSON DES-SUGAR IMPURITY (IH : IMPURITY-C)		CAS NO : 1702334-23-3	
8500766	RSBD124100	REGADENOSON (REFERENCE STANDARD)		CAS NO : 313348-27-5	
8500007	I1BD00690A	CARBAMAZEPINE/ OXCARBAMAZEPINE : IMINODIBENZYL IMPURITY (10,11-DIHYDRO IMINOSTILBENE) [BP/Ph.Eur. : IMPURITY E]		CAS NO : 56211-73-5	
8500024	I2BD006900	CARBAMAZEPINE : 10.11-DIHYDRO-CARBAMAZEPINE IMPURITY [BP/Ph.Eur.: IMPURITY A, USP : RELATED COMPUOND-A]		CAS NO : 3564-73-6	
8504969	GRSBD00530	BIVALIRUDIN (GLOBAL REFERENCE STADNARD)	NA	CAS NO : 128270-60-0	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502306	RSBD005300	BIVALIRUDIN (REFERENCE STANDARD)	NA	CAS NO : 128270-60-0	
8502782	IABD005300	DES-D-PHE(01)-BIVALIRUDIN (IH : IMPURITY-A)	NA		
8502849	IBBD005300	DES-D-PHE(01)-PRO(02)-BIVALIRUDIN (IH : IMPURITY-B)	NA		
8502917	ICBD005300	ACETYL-DES-D-PHE(01)-PRO(02)-ARG(03)-BIVALIRUDIN (IH : IMPURITY-C)	NA		
8502977	IDBD005300	ASP(09)-BIVALIRUDIN (IH : IMPURITY-D)	NA		
8503031	IEBD005300	D-PHE(12)-BIVALIRUDIN (IH : IMPURITY-E)	NA		





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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503072	IFBD005300	DES -GLY(10)-BIVALIRUDIN (IH:BIVALIRUDIN IMPURITY-F)	NA		
8503112	IGBD005300	DES -GLY-GLY(5,6/7,8)-BIVALIRUDIN (IH:BIVALIRUDIN IMPURITY-G)	NA		
8503144	IHBD005300	BIVALIRUDIN IMPURITY-H : ISOASP(09)-BIVALIRUDIN	NA		
8503172	IIBD005300	BIVALIRUDIN IMPURITY-I : CYCLOIMIDO-BIVALIRUDIN	NA		
8503193	IJBD005300	Des-Pro(04)-BIVALIRUDIN (IH:BIVALIRUDIN IMPURITY-J)	NA		
8501174	IIBD005300	BIVALIRUDIN : BIVALIRUDIN-FRAGMENT(01-11)	NA		



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501175	I2BD005300	BIVALIRUDIN : BIVALIRUDIN-FRAGMENT(12-20)	NA		
8502317	RSBD015100	EPTIFIBATIDE (REFERENCE STANDARD)	NA	CAS Number 188627-80-7	
8500416	IABD015100	EPTIFIBATIDE : LYS02- EPTIFIBATIDE IMPURITY (IH : IMPURITY-A)	NA		
8500428	IBBD015100	EPTIFIBATIDE : PRO-TRP-DKP IMPURITY (IH : IMPURITY-B)	NA		
8500440	ICBD015100	EPTIFIBATIDE : EPTIFIBATIDE-ACID IMPURITY (IH : IMPURITY-C)	NA		
8500448	IDBD015100	EPTIFIBATIDE : D-TRP05- EPTIFIBATIDE IMPURITY (IH : IMPURITY-D)	NA		



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8503040	IEBD015100	EPTIFIBATIDE IMPURITY-E : D-CYS(07)- EPTIFIBATIDE (IH:IMPURITY-E)	NA		
8503079	IFBD015100	EPTIFIBATIDE IMPURITY-F : ISOASP(04)- EPTIFIBATIDE (IH:IMPURITY-F)	NA		
8503118	IGBD015100	EPTIFIBATIDE IMPURITY-G : ASP CLIPPED EPTIFIBATIDE (IH:IMPURITY-G)	NA		
8503148	IHBD015100	EPTIFIBATIDE IMPURITY-H : D-HOMOARG(02) EPTIFIBATIDE (IH:IMPURITY-H)	NA		
8503176	IIBD015100	EPTIFIBATIDE IMPURITY-I : EPTIFIBATIDE DIMER (IH:IMPURITY-I)	NA		
8503198	IJBD015100	EPTIFIBATIDE IMPURITY-J : EPTIFIBATIDE TRISSULFIDE (IH:IMPURITY-J)	NA		

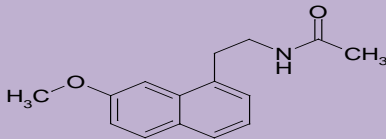
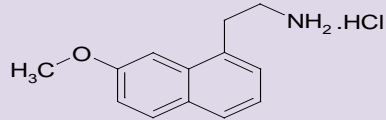
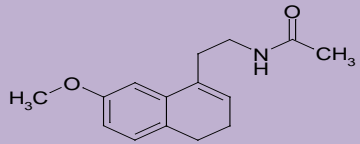
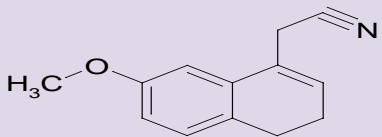


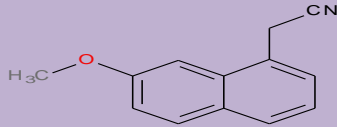
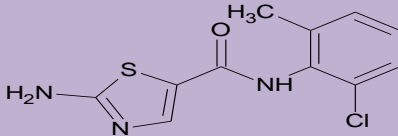
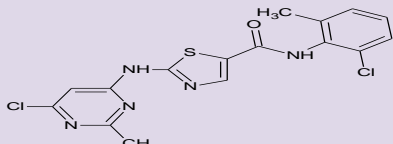
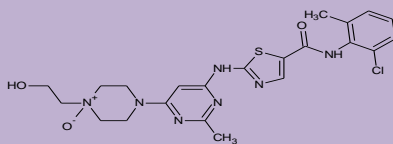
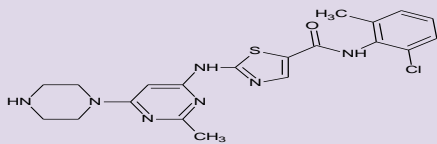
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503210	IKBD015100	DES-GLY(03)-EPTIFIBATIDE (IH:EPTIFIBATIDE IMPURITY-K)	NA		
8503219	ILBD015100	D-ASP(04)-EPTIFIBATIDE (IH:EPTIFIBATIDE IMPURITY-L)	NA		
8502355	RSBD073300	AGOMELATINE (REFERENCE STANDARD)		CAS NO : 138112-76-2	
8502827	IABD073300	AGOMELATINE STAGE-III / IMPURITY-A (IH : IMPURITY-A)		CAS NO : 139525-77-2	
8502896	IBBD073300	AGOMELATINE IMPURITY-B (IH : IMPURITY-B)		CAS NO : 1352139-51-5	
8502476	RSRI00654A	AGOMELATINE STAGE-I (REFERENCE STANDARD)		CAS NO : 861960-34-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502477	RSRI00655A	AGOMELATINE STAGE-II (REFERENCE STANDARD)		CAS NO : 138113-08-3	
8502478	RSRI00710B	IRON SUCROSE (IC) (REFERENCE STANDARD)	$[\text{Na}_2\text{Fe}_5\text{O}_8(\text{OH})_3 \cdot 3(\text{H}_2\text{O})]_n \cdot m(\text{C}_{12}\text{H}_{22}\text{O}_{11})$		
8500103	IABD119200	DASATINIB : IMPURITY-A / STAGE-II		CAS NO : 302964-24-5	
8500165	IBBD119200	DASATINIB : IMPURITY-B / STAGE-III		CAS NO : 302964-08-5	
8500229	ICBD119200	DASATINIB : N-OXIDE IMPURITY [IH : IMPURITY - C]		CAS NO : 910297-52-8	
8500276	IDBD119200	DASATINIB : DES HYDROXY ETHYL PIPERAZINE IMPURITY [IH : IMPURITY - D]		CAS NO : 910297-51-7	



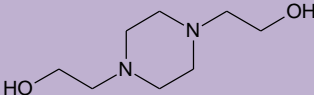
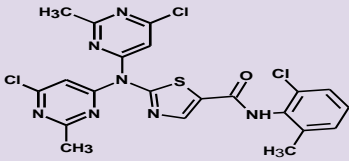
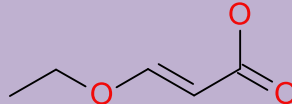
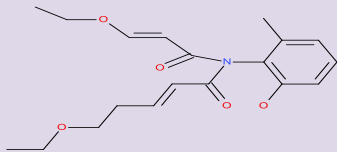
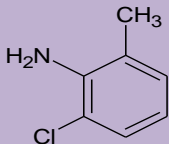
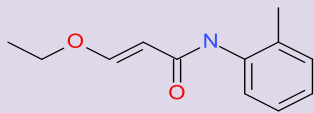



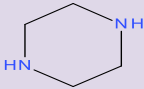
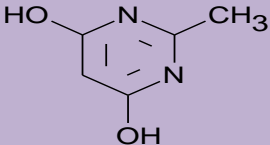
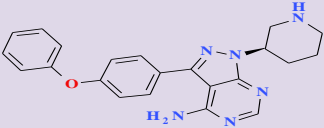
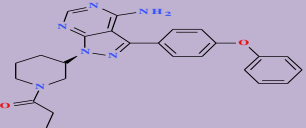
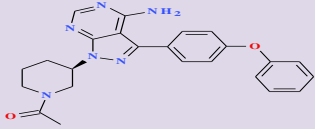
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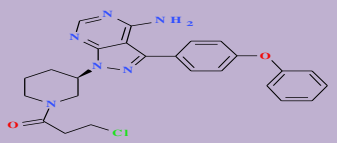
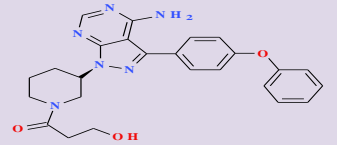
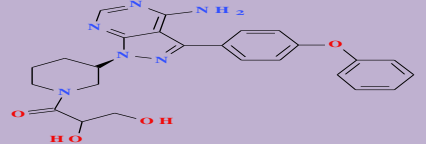
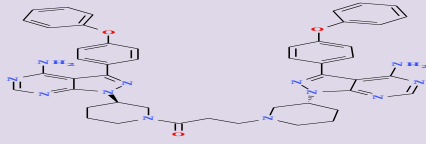
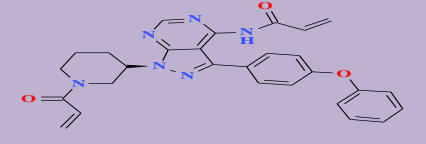
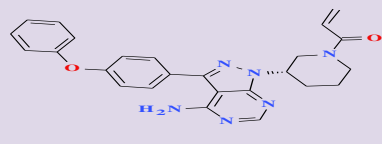
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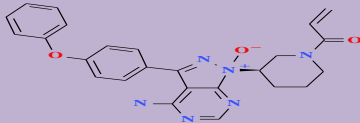
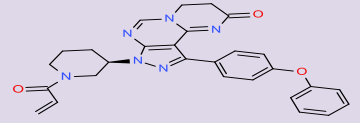
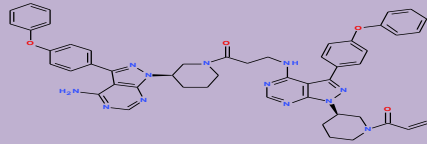
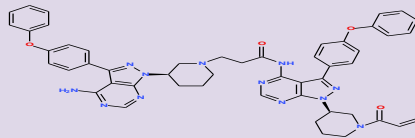
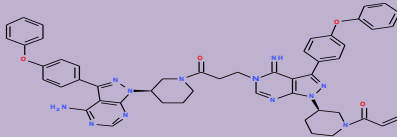
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505650	8505650	1-(2-HYDROXY ETHYL) PIPERAZINE : N,N'-BIS (2-HYDROXYETHYL) PIPERAZINE			
8506012	I1RI01062A	DASATINIB STAGE-III IMPURITY : TERTARY AMINE IMPURITY (IH)			
8502607	I1RA22291	DASATINIB STAGE-I/KSM IMPURITY : ACID IMPURITY (IH)		CAS NO : 6192-01-4	
8502686	I2RA22291	DASATINIB STAGE-I/KSM IMPURITY : TERTARY AMINE IMPURITY (IH)		CAS NO : 863127-76-8	
8502727	I3RA22291	DASATINIB STAGE-I (KSM) IMPURITY : 2-CHLORO-6-METHYL ANILINE		CAS NO : 87-63-8	
8502750	I4RA22291	DASATINIB STAGE-I/KSM : DES CHLORO IMPURITY (IH)		NA	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505681	8505681	1-(2-HYDROXY ETHYL) PIPERAZINE : ETHYLEN DIAMINE		CAS NO : 107-15-3	
8505682	8505682	1-(2-HYDROXY ETHYL) PIPERAZINE : PIPERAZINE		CAS NO : 110-85-0	
8502158	I2RA22188	4,6-DIHYDROXY-2-METHYLPYRIMIDINE		CAS-No. : 40497-30-1	
8502512	RSRI01107A	IBRUTINIB STAGE-VI (REFERENCE STANDARD) / IBRUTINIB IMPURITY-A (IH : IMPURITY-A)			
8502903	IBBD123600	IBRUTINIB : DIHYDRO IMPURITY (IH : IMPURITY-B)			
8502962	ICBD123600	IBRUTINIB : N-ACETYL IMPURITY (IH : IMPURITY-C)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503019	IDBD123600	IBRUTINIB : CHLORO IMPURITY (IH : IMPURITY-D)			
8503064	IEBD123600	IBRUTINIB : MONOHYDROXY IMPURITY (IH : IMPURTIY-E)			
8503104	IFBD123600	IBRUTINIB : DIOL IMPURITY (IH : IMPURITY-F)			
8503138	IGBD123600	IBRUTINIB : DIMER IMPURITY (IH : IMPURITY-G)			
8503168	IHBD123600	IBRUTINIB : DIACRYLOYL IMPURITY (IH : IMPURITY-H)			
8503206	IJBD123600	IBRUTINIB : S-IBRUTINIB (IH : IMPURITY-J)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503214	IKBD123600	IBRUTINIB: N-OXIDE IMPURITY (IH: IMPURITY-K)			
8503226	ILBD123600	IBRUTINIB: CYCLIC IMPURITY (IH: IMPURITY-L)			
8503235	IMBD123600	IBRUTINIB : IMPURITY-M (IH : IMPURITY-M)			
8503240	INBD123600	IBRUTINIB : IMPURITY-N (IH : IMPURITY-N)			
8503243	IOBD12360A	IBRUTINIB: IMPURITY-O (IH: IMPURITY-O)			
8502578	I1BD123600	IBRUTINIB SYSTEM SUITABILITY MIXTURE	NA		

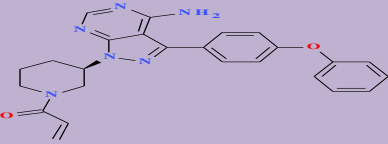
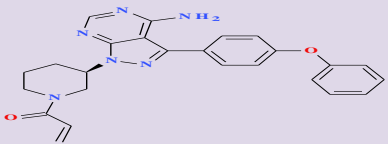
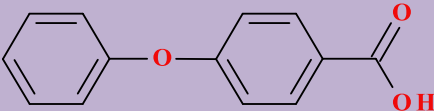
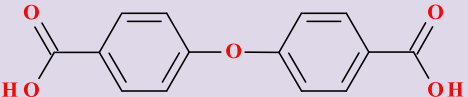
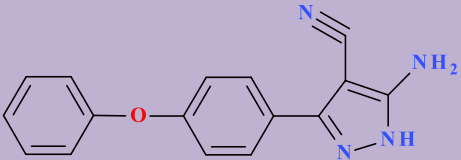
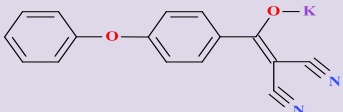


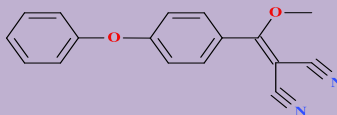
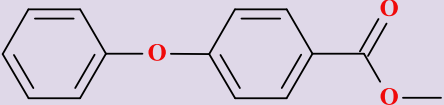
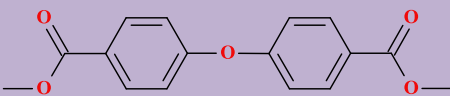
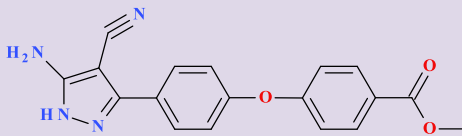
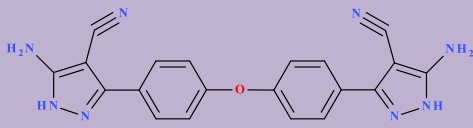
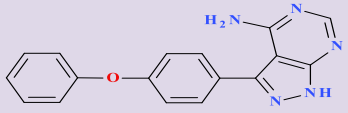
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502525	RSRI01227A	IBRUTINIB TECHNICAL GRADE (REFERENCE STANDARD)			
8502362	RSBD12360 B	IBRUTINIB (FORM S4) (REFERENCE STANDARD)			
8502413	RSRA22220	4-PHENOXYBENZOIC ACID		CAS NO : 2215-77-2	
8502969	ICRA22220	4-PHENOXYBENZOIC ACID IMPURITY-C (DIACID IMPURITY)		CAS NO : 2215-89-6	
8505911	RSRI01104A	IBRUTINIB STAGE-III (REFERENCE STANDARD)		CAS NO : 330792-70-6	
8502842	IARI01104A	IBRUTINIB STAGE-III : IMPURITY-A [IBRUTINIB STAGE-I]		NA	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502912	IBRI01104A	IBRUTINIB STAGE-III : IMPURITY-B [IBRUTINIB STAGE-II]		CAS NO : 330792-69-3	
8502972	ICRI01104A	IBRUTINIB STAGE-III : IMPURITY-C [METHYL-4-PHENOXYBENZOATE IMPURITY]		CAS NO : 21218-94-0	
8503027	IDRI01104A	IBRUTINIB STAGE-III : IMPURITY-D [DIMETHYL ESTER OF 4-PBA DIACID IMPURITY]		CAS NO : 14387-30-5	
8503068	IERI01104A	IBRUTINIB STAGE-III : IMPURITY-E [PYRAZOLE METHYL ESTER IMPURITY]		NA	
8503108	IFRI01104A	IBRUTINIB STAGE-III : IMPURITY-F [DIPYRAZOLE IMPURITY]		NA	
8502511	RSRI01105A	IBRUTINIB STAGE-IV (REFERENCE STANDARD		CAS NO : 330786-24-8	



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8502843	IARI01105A	IBRUTINIB STAGE-IV : IMPURITY-A [DMF ADDUCT OF IBRUTINIB STAGE-III]		NA	
8502913	IBRI01105A	IBRUTINIB STAGE-IV : IMPURITY-B [DMF ADDUCT OF IBRUTINIB STAGE-IV]		NA	
8502973	ICRI01105A	IBRUTINIB STAGE-IV : IMPURITY-C [DIPYRIMIDINE IMPURITY]		NA	
8502844	IARI01107A	IBRUTINIB STAGE-VI : IMPURITY-A [IBRUTINIB STAGE-V]		CAS NO : 1022150-11-3	
8502914	IBRI01107A	IBRUTINIB STAGE-VI : IMPURITY-B [ALKYLATED PRIMARY AMINE]		NA	
8503028	IDRI01107A	IBRUTINIB STAGE-VI : IMPURITY-D [OLEFIN IMPURITY OF SIDE CHAIN]		CAS NO : 131667-57-7	

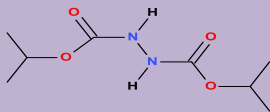
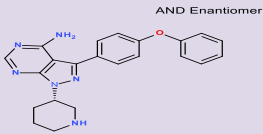
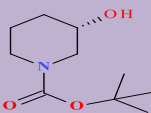
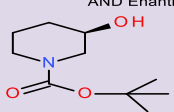
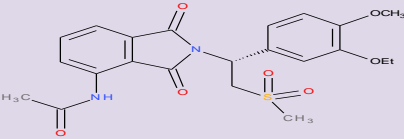


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8503109	IFRI01107A	IBRUTINIB STAGE-VI: IMPURITY-F (DIISOPROPYL BICARBAMATE IMPURITY)		CAS NO : 19740-72-8	
8503141	IGRI01107A	IBRUTINIB STAGE-VI : IMPURITY-G [S-ISOMER IMPURITY]	 AND Enantiomer	NA	
8504664	RSRA22201	(S)-TERT.BUTYL-3-HYDROXYPIPERIDINE-1-CARBOXYLATE OR (S)-1-BOC-3-HYDROXYPIPERIDINE	 AND Enantiomer	CAS NO : 143900-44-1	
8505785	IIRA22201	(R)-TERT.BUTYL-3-HYDROXYPIPERIDINE-1-CARBOXYLATE	 AND Enantiomer	CAS NO : 143900-43-0	
8502268	GRSBD1161 O	ICATIBANT ACETATE (GLOBAL REFERENCE STANDARD)	NA		Cold shipment
8500774	IABD123500	APREMILAST : R-APREMILAST ( IH : IMP-A )		CAS NO : 608141-44-2	



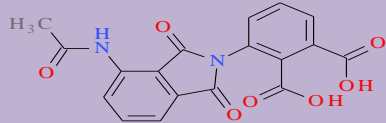
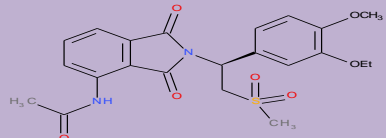
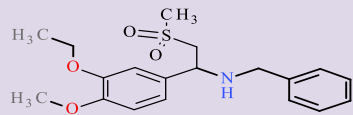
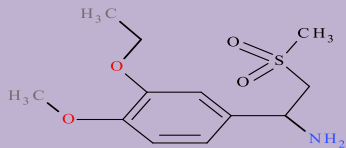
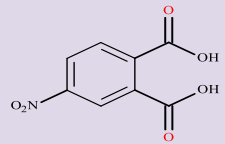
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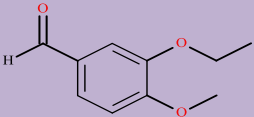
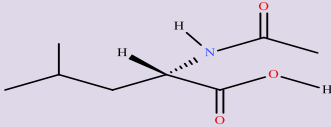
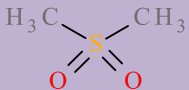
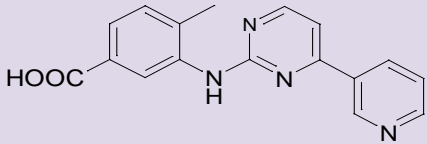
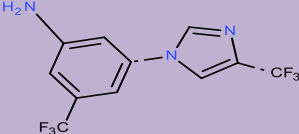
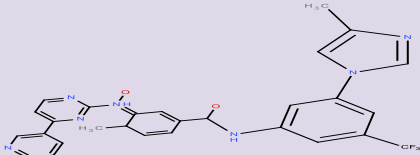
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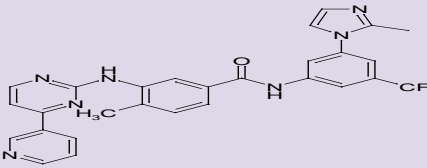
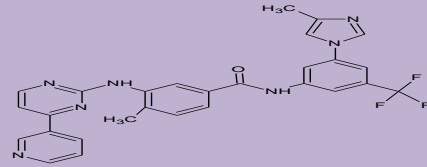
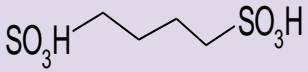
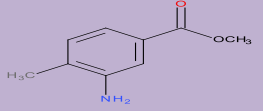
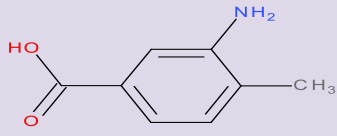
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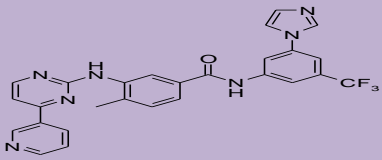
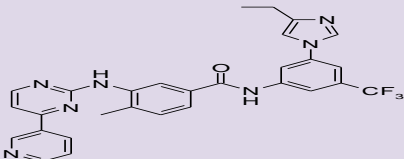
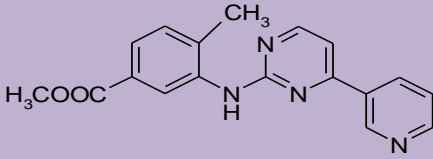
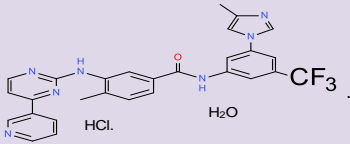
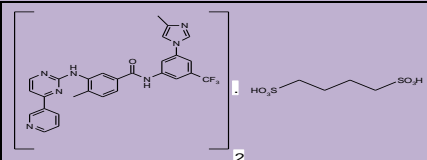
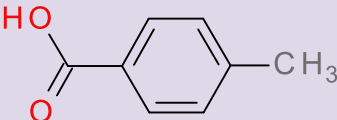
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502902	IBBD123500	APREMILAST : NITRO IMPURITY ( IH : IMP-B)			
8502961	ICBD123500	APREMILAST : DESACETYL IMPURITY ( IH : IMP-C )		CAS NO : 635705-72-5	
8500990	IDBD123500	APREMILAST : DIMER IMPURITY ( IH : IMP-D )		CAS NO : 1802246-60-1	
8502518	RSRI01170A	APREMILAST: STAGE-IV (STAGE-IV/ APREMILAST : IH :IMPURITY-E) (REFERENCE STD.)		CAS NO : 608141-43-1	
8503103	IFBD123500	APREMILAST : 3-AMINOPHTHALIC ACID ( IH : IMP-F )		CAS NO : 5434- 20-8	
8502519	RSRI01171A	APREMILAST: STAGE-IVA (STAGE-IVA/ APREMILAST: IH :IMPURITY-G) (REFERENCE STD.)		CAS NO : 15371-06-9	

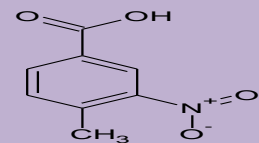
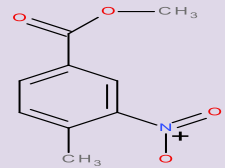
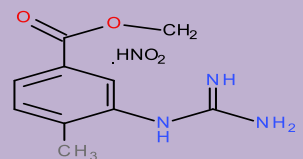
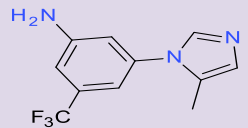
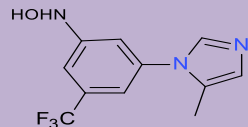
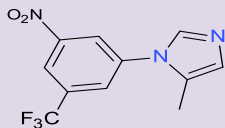
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8502649	I1RI01171A	APREMILAST STAGE-IVA : DIMER IMPURITY (IH : DIMER IMPURITY)			
8500773	I1BD123500	APREMILAST RELATED COMPOUNDS MIXTURE	NA		
8502361	RSBD12350D	APREMILAST (REFERENCE STANDARD)			
8502516	RSRI01168A	APREMILAST STAGE-II (Reference standard)		NA	
8502517	RSRI01169A	APREMILAST STAGE-III (REFERENCE STANDARD)		CAS NO : 253168-94-4	
8502688	I2RA22386	3-NITROPHTHALIC ACID : 4-NITROPHTHALIC ACID IMPURITY		CAS NO : 610-27-5	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502422	RSRA22385	3-ETHOXY-4-METHOXYBENZALDEHYDE (REFERENCE STANDARD)		CAS NO : 1131-52-8	
8502425	RSRA22388	N-ACETYL-L-LEUCINE (REFERENCE STANDARD)		CAS NO : 1188-21-2	
8502424	RSRA22387	DIMETHYLSULFONE (REFERENCE STANDARD)		CAS NO : 67-71-0	
8502409	RSRA22129	4-METHYL-3-[[4-(3-PYRIDINYL)-2-PYRIMIDINY]AMINO]BENZOIC ACID /NILOTINIB HCl /BUTANE DISULFONATE : IH-IMP-A/EP-IMP-D		CAS NO : 641569-94-0	
8502410	RSRA22130	3-(4-METHYL-1H-IMIDAZOL-1-YL)-5-(TRIFLUORO METHYL)ANILINE / NILOTINIB HCl /BUTANE DISULFONATE : IH-IMP-B/EP-IMP-A		CAS NO : 641571-11-1	
8502960	ICBD114900	NILOTINIB HYDROCHLORIDE MONOHYDRATE/NILOTINIB BUTANE DISULFONATE : IMPURITY-C [IH : IMPURITY-C]			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503017	IDBD114900	NILOTINIB HCl MONOHYDRATE / NILOTINIB BUTANE DISULFONATE: IH-IMP-D/EP-IMP-H		CAS NO : 641571-15-5	
8505684	8505684	NILOTINIB HYDROCHLORIDE MONOHYDRATE / NILOTINIB BUTANEDISULFONATE: IMPURITY-E			
8502502	RSRI01052A	NILOTINIB STAGE-III (REFERENCE STANDARD)		CAS NO : 641571-10-0	
8502404	RSRA22078	1,4-BUTANE DISULPHONIC ACID (REFERENCE STANDARD)		CAS NO : 27665-39-0	
8505683	8505683	NILOTINIB: Ph. Eur. IMP – B		CAS Number 18595-18-1	
8505687	8505687	NILOTINIB: Ph. Eur. IMP – C		CAS NO : 2458- 12-0	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505688	8505688	NILOTINIB: Ph. Eur. IMPURITY – E		CAS No 2119583-26-3	
8505689	8505689	NILOTINIB: PH. EUR. IMPURITY – F		CAS No: 2119583-24-1	
8505686	8505686	NILOTINIB: Ph. Eur. IMP – G		CAS No : 917392-54-2	
8504527	RSBD114900	NILOTINIB HYDROCHLORIDE MONOHYDRATE (REFERENCE STANDARD)		CAS NO : 641571-10-0 [base]	
8502360	RSBD118000	NILOTINIB BUTANEDISULFONATE (REFERENCE STANDARD)		Cas No : 641571-10-0 [base]	
8505873	8505873	4-METHYL BENZOIC ACID		CAS NO : 99- 94-5	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505872	8505872	4-METHYL-3-NITROBENZOIC ACID		CAS NO : 96-98-0	
8505871	8505871	METHYL 4-METHYL-3-NITROBENZOATE		CAS NO : 7356-98-0	
8505874	8505874	3-[(AMINOIMINOMETHYL) AMINO]-4-METHYL-BENZOIC ACID METHYL ESTER MONONITRATE [REFERENCE STANDARD]		CAS NO : 1025716-99-7	
8506499	I1RA22130	3-(4-METHYL-1H-IMIDAZOL-1-YL)-5-(TRIFLUOROMETHYL)ANILINE:REGIOMER		CAS NO : 641571-16-6	
8507192	I2RA22130	3-(4-METHYL-1H-IMIDAZOL-1-YL)-5-(TRIFLUOROMETHYL)ANILINE:HYDROXYL AMINE IMPURITY			
8507193	I3RA22130	3-(4-METHYL-1H-IMIDAZOL-1-YL)-5-(TRIFLUOROMETHYL)ANILINE: NITRO IMIDAZOLE IMPURITY		CAS NO : 916975-92-3	

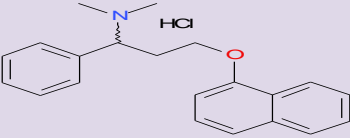
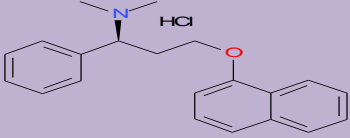


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8502267	GRSBD0640 O	TERIPARATIDE (GLOBAL REFERENCE STADNARD)	NA	CAS NO : 52232-67-4	Cold shipment
8502573	I1BD062900	DAPOXETINE HYDROCHLORIDE (RACEMATE)			
8502347	RSBD06290 0	DAPOXETINE HYDROCHLORIDE (REFERENCE STANDARD)		CAS NO : 129938-20-1	
8502266	GRSBD0347 O	PRAMLINTIDE ACETATE (GLOBAL REFERENCE STADNARD)	H-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-His-Ser-Ser-Asn-Asn-Phe-Gly-Pro-Ile-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH2 Cyclic(2→7)-disulfide	CAS NO : 196078-30-5	Cold shipment
8501350	RSBD11650 A	LINACLOTIDE (REFERENCE STANDARD)	L-Cysteiny-L-cysteiny-L-glutamyl-L-tyrosyl-L-cysteiny-L-cysteiny-L-asparaginy-L-proly-L-alanyl-L-cysteiny-L-threonyglycyl-L-cysteiny L-Tyrosine; cyclo(1→6), (2→10), (5→13)-Tris(disulfide)	CAS NO : 851199-59-2	
8502830	IABD11650 A	DES -TYR(14)-LINACLOTIDE (IH:LINACLOTIDE IMPURITY-A)	L-Cysteiny-L-cysteiny-L-glutamyl-L-tyrosyl-L-cysteiny-L-cysteiny-L-asparaginy-L-proly-L-alanyl-L-cysteiny-L-threonyglycyl-L-cysteine; cyclic(1→6), (2→10), (5→13)-Tris(disulfide)		



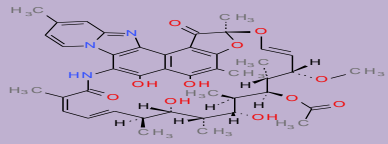
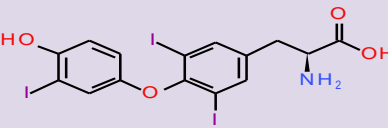
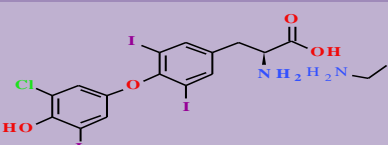
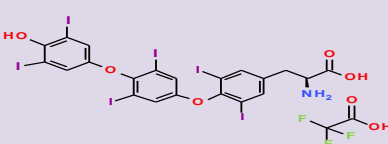
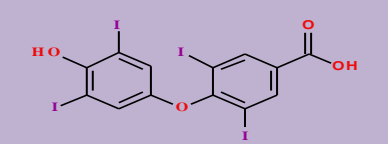
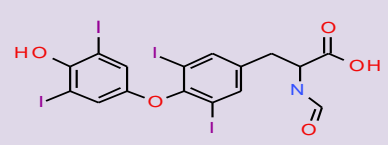
SUN PHARMACEUTICAL INDUSTRIES LIMITED TANDALJA ROAD, VADODARA,390020.INDIA

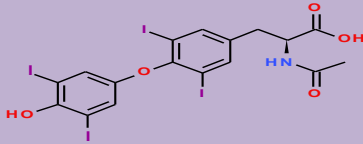
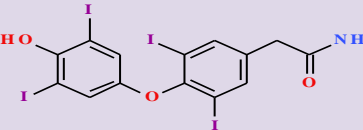
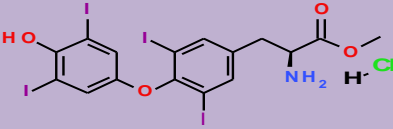
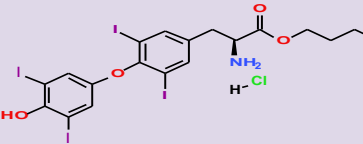
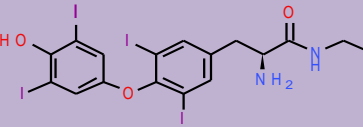
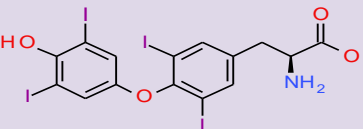
Tel. : 91- 265 – 6615500 / 66156000 Fax : 91- 265- 2354897

**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

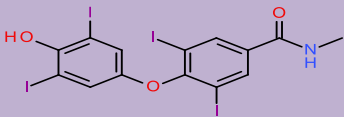
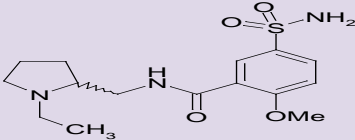
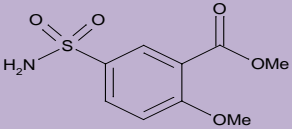
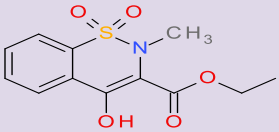
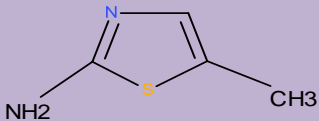

Last update On Aug 2021

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502901	IBBD11650A	ASP(07)-LINACLOTIDE (IH:LINACLOTIDE IMPURITY-B)	L-Cysteiny-L-cysteiny-L-glutamyl-L-tyrosyl-L-cysteiny-L-cysteiny-L-□-aspartyl-L-prolyl-L-alanyl-L-cysteiny-L-threonylglycyl-L-cysteiny L-Tyrosine; cyclo(1→6), (2→10), (5→13)-Tris(disulfide)		
8503018	IDBD116500	N-ACETYL-CYS1-LINACLOTIDE (IH : LINACLOTIDE IMPURITY-D)	N-Acetyl-L-Cysteiny-L-cysteiny-L-glutamyl-L-tyrosyl-L-cysteiny-L-cysteiny-L-asparaginy-L-prolyl-L-alanyl-L-cysteiny-L-threonylglycyl-L-cysteiny L-Tyrosine; cyclo(1→6), (2→10), (5→13)-Tris(disulfide)		
8502269	I1BD116500	LINACLOTIDE :CYS(01) IMD LINACLOTIDE( IH: IMPURITY)	Cysteiny-Imidazolidinone-L-cysteiny-L-glutamyl-L-tyrosyl-L-cysteiny-L-cysteiny-L-asparaginy-L-prolyl-L-alanyl-L-cysteiny-L-threonylglycyl-L-cysteiny L-Tyrosine; cyclic(1→6), (2→10), (5→13)-Tris(disulfide)		
8502670	I2BD116500	ALA-INSERTION-LINACLOTIDE IMPURITY	L-cysteiny-L-glutamyl-L-tyrosyl-L-cysteiny-L-cysteiny-L-asparaginy-L-prolyl-L-alanyl-L-alanyl-L-cysteiny-L-threonyl-glycyl-L-cysteiny L-Tyrosine; cyclic(1→6), (2→10), (5→13)Tris(disulfide)		
8502717	I3BD116500	D-CYS(05)-LINACLOTIDE IMPURITY	L-cysteiny-L-cysteiny-L-glutamyl-L-tyrosyl-D-cysteiny-L-cysteiny-L-asparaginy-L-prolyl-L-alanyl-L-cysteiny-L-threonyl-glycyl-L-cysteiny L-Tyrosine; cyclic(1→6), (2→10), (5→13)-Tris(disulfide)		
8502745	I4BD116500	CYS(01)-KETONE-LINACLOTIDE IMPURITY	L-cysteiny-ketone-L-cysteiny-L-glutamyl-L-tyrosyl-D-cysteiny-L-cysteiny-L-asparaginy-L-prolyl-L-alanyl-L-cysteiny-L-threonyl-glycyl-L-cysteiny L-Tyrosine; cyclic(1→6), (2→10), (5→13)-Tris(disulfide)		

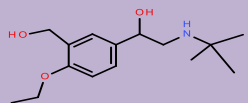
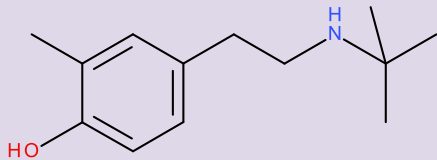
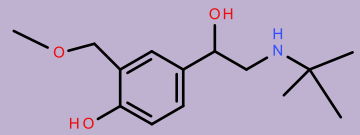
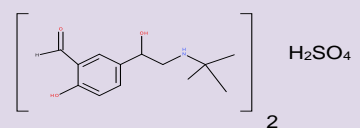
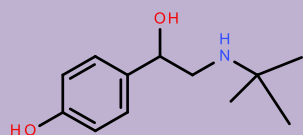
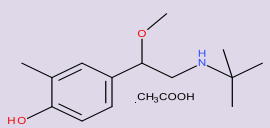
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502630	IIRI00686A	SYSTEM SUITABILITY MIXTURE [FOR RIFAXIMIN (TECHNICAL GRADE) ]			
8502826	IABD071700	LEVOTHYROXINE SODIUM: IMPURITY-A [IH/Ph.Eur: IMP-A, USP: LIOTHYRONINE]		CAS Number: 6893-02-3	
8500434	IBBD071700	LEVOTHYROXINE SODIUM: CHLORO IMPURITY [IH/Ph.Eur.: IMP-B]		CAS No : 1628720-66-0	
8503099	IFBD071700	LEVOTHYROXINE SODIUM: T6 IMPURITY [IH/Ph.Eur.: IMP-F, USP: O-(4-HYDROXY-3,5-DIIODOPHENYL)THYROXINE OR T6]		CAS No : 911661-90-0	
8503164	IHBD071700	LEVOTHYROXINE SODIUM: T4-BENZOIC ACID IMPURITY (IH/Ph.Eur.: IMP-H, USP: T4-BENZOIC ACID)		CAS Number : 2055-97-2	
8503223	ILBD071700	LEVOTHYROXINE SODIUM: N-FORMYL IMPURITY (IH: IMP-L,USP: N-FORMYL-T4)		CAS Number 671235-41-9	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503232	IMBD071700	LEVOTHYROXINE SODIUM: N-ACETYL IMPURITY (IH: IMP-M, USP: N-ACETYL-T4)			
8503245	IPBD071700	LEVOTHYROXINE SODIUM: T4-ACETAMIDE IMPURITY (IH: IMP-P ,USP: T4-ACETAMIDE)			
8503247	IQBD071700	LEVOTHYROXINE SODIUM: METHYL ESTER IMPURITY (IH: IMP-Q)			
8503248	IRBD071700	LEVOTHYROXINE SODIUM: BUTYL ESTER IMPURITY (IH: IMP-R)			
8503249	ISBD071700	LEVOTHYROXINE SODIUM: N-ETHYLAMIDE IMPURITY (IH: IMP-S)			
8502524	RSRI01219A	LEVOTHYROXINE SODIUM STAGE-I (REFERENCE STANDARD)			



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505963	8505963	LEVOTHYROXINE SODIUM : T4-N-METHYLBENZAMIDE IMPURITY (USP:T4-FORMICACID N-METHYLAMIDE)		CAS. No. 2088032-78-2	
8502558	I1BD0247O0	LEVOSULPIRIDE : RACEMIC SULPIRIDE		CAS NO : 23672-07-3	
8502868	IBBD0247O0	LEVOSULPIRIDE METHYL ESTER IMPURITY (IH : IMPURITY-B)		CAS NO : 33045-52-2	
8501590	IABD0266O0	MELOXICAM : IMPURITY-A [IH/Ph.Eur.: IMP-A, USP-RELATED COMPOUND-A]		CAS NO : 24683-26-9	
8501591	IBBD0266O0	MELOXICAM : IMPURITY-B [IH/Ph.Eur.: IMP-B, USP-RELATED COMPOUND-B]		CAS NO : 7305-71-7	
8501594	IEBD0266O0	MELOXICAM : IMPURITY-E [IH/Ph.Eur.: IMP-E ]		CAS NO : 35511-15-0	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501852	IOBD08460 C	ALBUTEROL SULPHATE : IMPURITY-O			
8503453	IHBD084600	ALBUTEROL SULPHATE : Ph.Eur. : SALBUTAMOL:IMPURITY-H/ IH: IMPURITY-H		CAS NO : 132183-64-3	
8501772	I1BD084600	ALBUTEROL SULPHATE : PH.EUR.: SALBUTAMOL : IMP-M / LEVALBUTEROL HCL: USP LEVALBUTEROL REL. COMP.-C		CAS NO : 18910-70-8	
8501773	I2BD084600	ALBUTEROL SULPHATE : PH.EUR.: SALBUTAMOL : IMP-D / LEVALBUTEROL HCL: USP LEVALBUTEROL REL. COMP.-D		CAS NO : 156339-88-7	
8501774	I3BD084600	ALBUTEROL SULPHATE: USP DEALKYL ANALOG / PH. EUR. : SALBUTAMOL : IMP-B		CAS NO : 96948-64-0	
8501808	I4BD084600	ALBUTEROL SULPHATE : PH.EUR.: SALBUTAMOL : IMP-A / LEVALBUTEROL HCL: USP LEVALBUTEROL REL. COMP.-H		CAS NO : 870076-72-5	



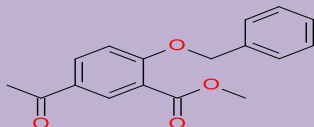
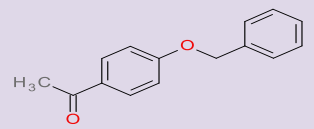
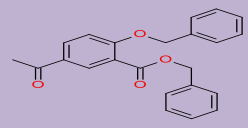
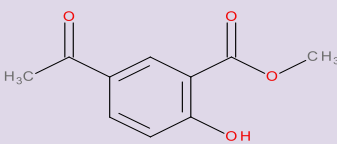
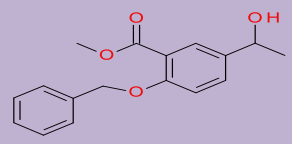
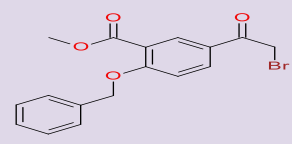
SUN PHARMACEUTICAL INDUSTRIES LIMITED TANDALJA ROAD, VADODARA,390020.INDIA

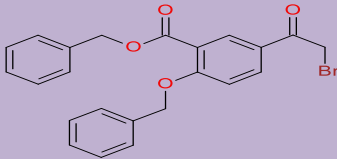
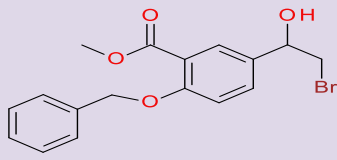
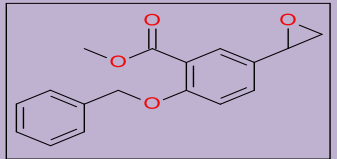
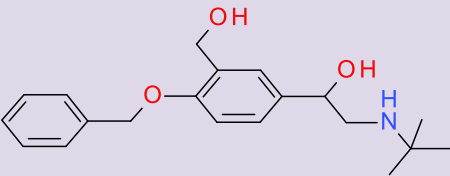
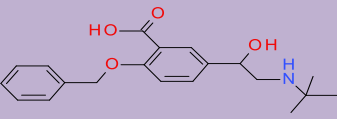
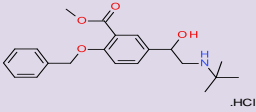
Tel. : 91- 265 – 6615500 / 66156000 Fax : 91- 265- 2354897

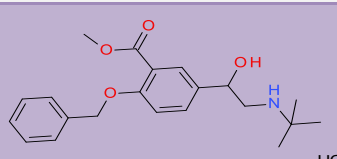
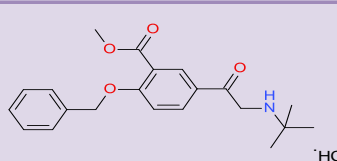
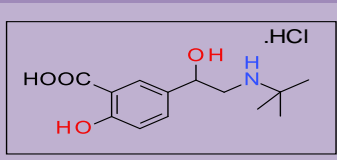
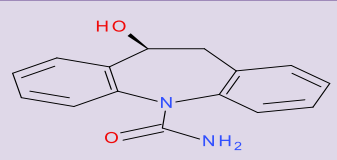
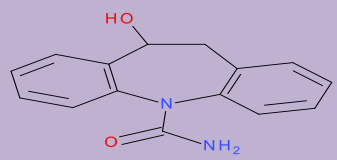
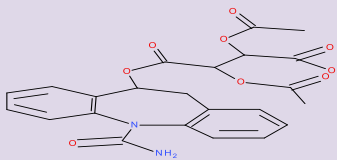
**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

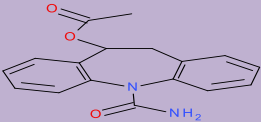
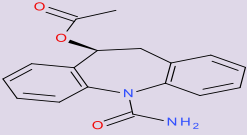
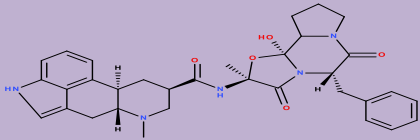
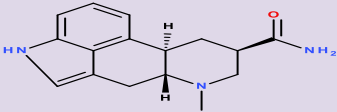
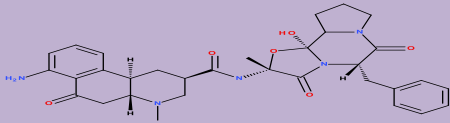
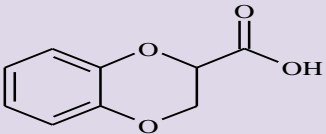
Last update On Aug 2021

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501853	I5BD0846OC	ALBUTEROL SULPHATE/LEVALBUTEROL HCL: USP LEVALBUTEROL REL. COMP.-E		CAS NO : 754926-25-5	
8501851	I6BD0846OC	ALBUTEROL SULPHATE : USP ALBUTEROL REL. COMP.-F		CAS NO : 1221742-55-7	
8502227	I8BD0846OC	ALBUTEROL SULPHATE: USP N-BENZYL ALBUTERONE /SALBUTAMOL :PH.EUR. IMP-G/ IH: GLYCYL COMPOUND-Â		CAS NO : 24085-08-3	
8502228	I9BD0846OC	ALBUTEROL SULPHATE: USP N-BENZYL ALBUTEROL /SALBUTAMOL :PH.EUR. IMP-E/ IH: BENZYL COMPOUND-Â		CAS NO : 24085-03-8	
8502226	I7BD0846OC	ALBUTEROL SULPHATE: USP RELATED COMPOUND-B /SALBUTAMOL :PH.EUR. IMP-J		CAS NO : 41489-89-8	
8503440	I12BD0846O	ALBUTEROL SULPHATE: USP RELATED COMPOUND-C /SALBUTAMOL :PH.EUR. IMP-K		CAS NO : 898542-80-8	

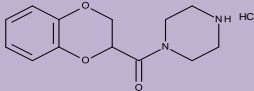
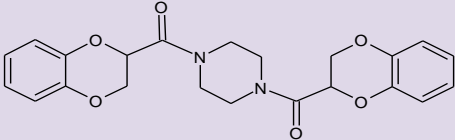
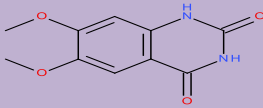
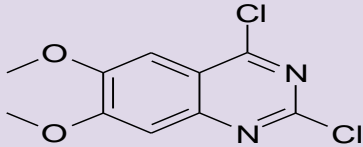
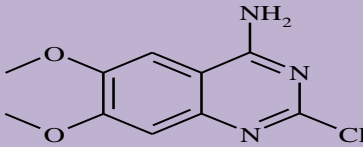
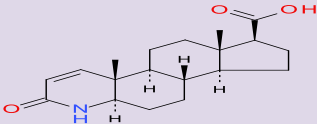
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502421	RSRA22328	2-BENZYLOXY-5-ACETYL METHYL SALICYLATE / BENZYL METHYL SALICYLATE (REFERENCE STANDARD)		CAS NO : 27475-09-8	
8502608	I1RA22328	2-BENZYLOXY-5-ACETYL METHYL SALICYLATE / BENZYL METHYL SALICYLATE : DEALKYL ANALOG		CAS NO : 54696-05-8	
8502687	I2RA22328	2-BENZYLOXY-5-ACETYL METHYL SALICYLATE / BENZYL METHYL SALICYLATE : 5-ACETYL-2-BENZYLOXY BENZYL BENZOATE		CAS NO : 1292299-06-9	
8502728	I3RA22328	2-BENZYLOXY-5-ACETYL METHYL SALICYLATE / BENZYL METHYL SALICYLATE: ACETYL METHYL SALICYLATE		CAS NO : 16475-90-4	
8502762	I5RA22328	BENZYL METHYL SALICYLATE:ALCOHOL IMPURITY		Not found	
8502531	RSRI01261A	ALBUTEROL SULFATE STAGE-I / LEVALBUTEROL HYDROCHLORIDE STAGE IA (REFERENCE STANDARD)		CAS NO : 27475-14-5	

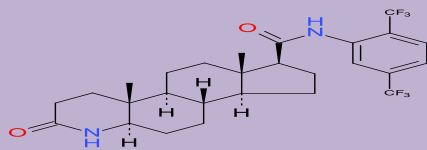
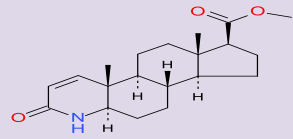
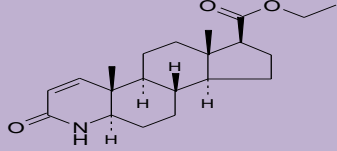
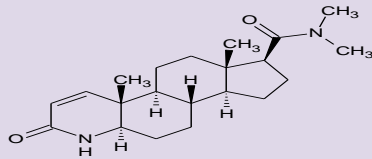
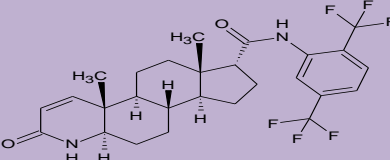
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502651	I1RI01261A	ALBUTEROL SULFATE STAGE-I : BENZYL ESTER IMPURITY		CAS NO : 943969-36-6	
8502704	I2RI01261A	ALBUTEROL SULFATE STAGE-I : ALCOHOL IMPURITY		CAS NO : 160889-18-9	
8503439	I3RI01261A	ALBUTEROL SULFATE STAGE-I : EPOXY IMPURITY		CAS NO : 94749-70-9	
8502532	RSRI01262A	ALBUTEROL SULFATE STAGE-II (REFERENCE STANDARD)		CAS NO : 56796-66-8	
8502652	I1RI01262A	ALBUTEROL SULFATE STAGE II:ACID IMPURITY		Not found	
8502705	I2RI01262A	ALBUTEROL SULFATE STAGE II/LEVALBUTEROL HYDROCHLORIDE STAGE ID:STAGE-IIB/Stage IC/ALCOHOL IMPURITY		Cas No : 174607-70-6 (Free base CAS)	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505787	I3RI01262A	ALBUTEROL SULFATE STAGE II/LEVABUTEROL HYDROCHLORIDE STAGE-ID:BENZYL ESTER IMPURITY	 The structure shows a benzyl ester group attached to the albuterol backbone. The albuterol backbone consists of a benzene ring with a methoxy group and a hydroxyl group, and a side chain with a secondary amine and a tert-butyl group. The ester group is attached to the benzene ring via a benzyl group.	Not found	
8502757	I4RI01262A	ALBUTEROL SULFATE STAGE II/LEVABUTEROL HYDROCHLORIDE ID:STAGE-IIA/Stage IB/KETONE IMPURITY	 The structure shows a ketone group instead of the hydroxyl group on the albuterol backbone. The rest of the structure is identical to the previous entry.	Not found	
8503609	I1RI01263A	ALBUTEROL SULFATE STAGE-III : ACID IMPURITY	 The structure shows a carboxylic acid group instead of the methoxy group on the albuterol backbone. The rest of the structure is identical to the previous entries.	Not found	
8505170	RSRI00613A	ESLICARBAZEPINE ACETATE STAGE-III (REFERENCE STABDARD)	 The structure shows the eslicarbazepine core with a hydroxyl group and an acetate group on the side chain. The nitrogen atom is part of a bicyclic system.	CAS NO : 29331-92-8	
8505697	RSRI00695A	ESLICARBAZEPINE ACETATE STAGE-III A /STAGE-I (REFERENCE STANDARD)	 The structure is identical to the previous entry, showing the eslicarbazepine core with a hydroxyl group and an acetate group on the side chain.		
8505696	RSRI00612A	ESLICARBAZEPINE ACETATE STAGE-II (REFERENCE STANDARD)	 The structure shows the eslicarbazepine core with a hydroxyl group and an acetate group on the side chain, and an additional acetate group on the nitrogen atom.		

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503467	I1BD015600	ESLICARBAZEPINE ACETATE : RACEMIC MIXTURE			
8505903	RSBD015600	ESLICARBAZEPINE ACETATE (REFERENCE STANDARD)		CAS Number 236395-14-5	
8500872	IDBD116700	DIHYDROERGOTAMINE MESYLATE : 2'-EPI-9,10-DIHYDROERGOTAMINE (IH/PH.EUR. : IMPURITY-D)		CAS NO : 5550-75-4	
8501028	I1BD116700	DIHYDROERGOTAMINE MESYLATE: IMPURITY-S1 (IMPURITY AT RRT 0.26)		CAS NO : 2410-19-7	
8501029	I2BD116700	DIHYDROERGOTAMINE MESYLATE: IMPURITY-S2 (IMPURITY AT RRT 0.82)			
8503764	IABD013600	DOXAZOSIN : IMPURITY-A [IH/Ph.Eur.: IMP-A,USP-RELATED COMPOUND-D]		CAS NO : 3663-80-7	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503765	IBBD013600	DOXAZOSIN : IMPURITY-B [IH/Ph.Eur.: IMP-B,USP-RELATED COMPOUND-A]		CAS NO : 70918-74-0	
8503766	ICBD013600	DOXAZOSIN : IMPURITY-C [IH/PH.EUR.: IMP-C,USP-RELATED COMPOUND-F]		CAS NO : 617677-53-9	
8503767	IDBD013600	DOXAZOSIN : IMPURITY-D [IH/Ph.Eur.: IMP-D,USP-RELATED COMPOUND-B]		CAS NO : 28888-44-0	
8503768	IEBD013600	DOXAZOSIN : IMPURITY-E [IH/Ph.Eur.: IMP-E,USP-RELATED COMPOUND-E]		CAS NO : 27631-29-4	
8503769	IFBD013600	DOXAZOSIN : IMPURITY-F [IH/Ph.Eur.: IMP-F,USP-RELATED COMPOUND-C]		CAS NO : 23680-84-4	
8503461	IBBD014200	DUTASTERIDE IMPURITY-B / STAGE-I (IH : IMPURITY-B,EP-IMP-A)		CAS NO : 104239-97-6	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503460	ICBD014200	DIHYDRO DUTASTERIDE (IH : IMPURITY-C)		CAS NO : 164656-22-8	
8501753	IDBD01420 A	DUTASTERIDE IMPURITY-D : METHYL ESTER IMPURITY (IH:IMP.-D)/ FINASTERIDE IMPURITY- B : METHYL ESTER IMPURITY (IH/IP/Ph. Eur.:IMP.-B)		CAS NO : 103335-41-7	
8503788	IEBD014200	DUTASTERIDE IMPURITY-E : ETHYL ESTER IMPURITY (IH:IMP.-E/EP.:IMP.-C/USP : DUTASTERIDE ETHYL ESTER)		CAS NO : 157307-36-3	
8504187	IGBD014200	DUTASTERIDE IMPURITY-G : DIMETHYL AMIDE IMPURITY (IH:IMP.-G/EP.:IMP.-B/USP : DUTASTERIDE DIMETHYL AMIDE)			
8506691	8506691	DUTASTERIDE : EP/BP.:IMP-E/USP : DUTASTERIDE 17-ALPHA EPIMER		CAS No : 796930-46-5	
8501775	GRSBD0865 O	LANREOTIDE ACETATE (GLOBAL REFERENCE STANDARD)	D-2-Nal-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH2 cyclic(2→7)-disulfide	CAS Number 127984-74-1	

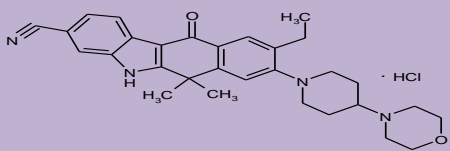
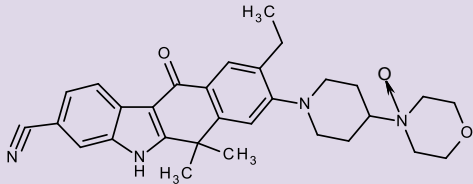
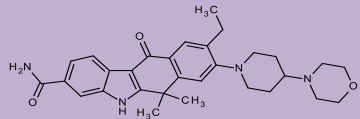
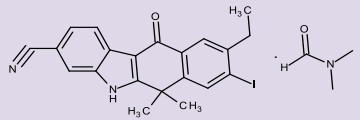
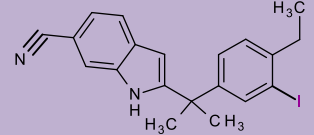
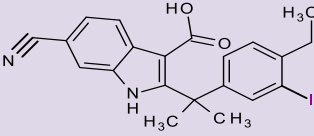


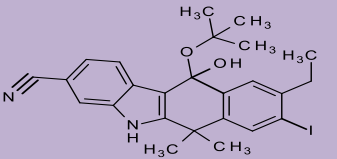
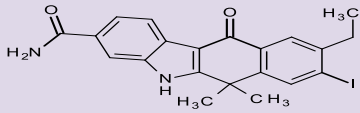
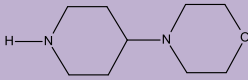
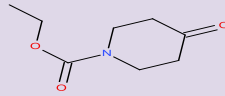
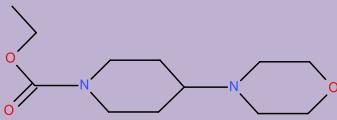
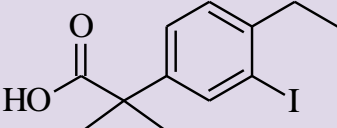
SUN PHARMACEUTICAL INDUSTRIES LIMITED TANDALJA ROAD, VADODARA,390020.INDIA

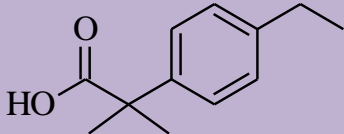
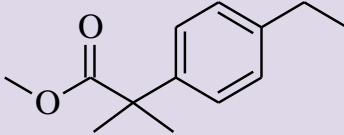
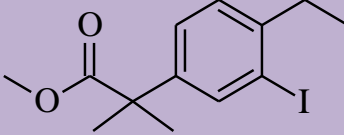
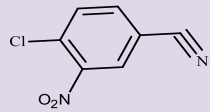
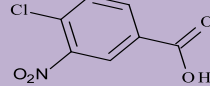
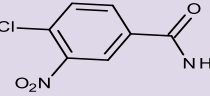
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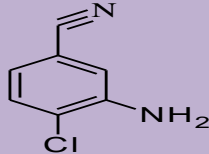
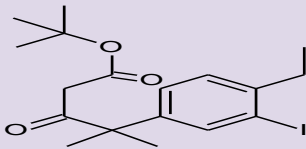
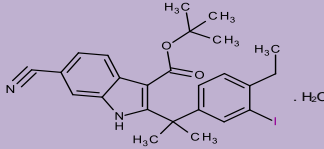
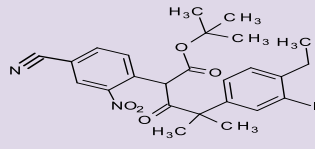
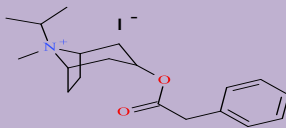
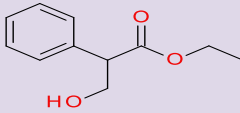
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8501172	RSBD137000	ALECTINIB HYDROCHLORIDE (REFERENCE STANDARD)		CAS NO : 1256589-74-8	
8501119	I1BD137000	ALECTINIB HYDROCHLORIDE : N-OXIDE IMPURITY			
8501120	I2BD137000	ALECTINIB HYDROCHLORIDE : AMIDE IMPURITY			
8501117	RSRI01360A	ALECTINIB HYDROCHLORIDE STAGE-IV (REFERENCE STANDARD)			
8501112	I1RI01360A	ALECTINIB STAGE-IV : DECARBOXYLATE IMPURITY			
8501113	I2RI01360A	ALECTINIB STAGE-IV : ACID IMPURITY			

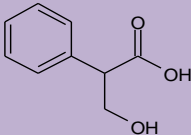
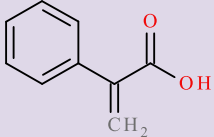
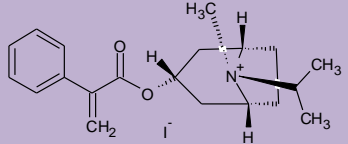
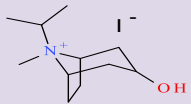
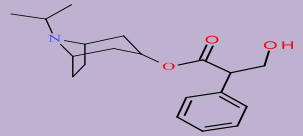
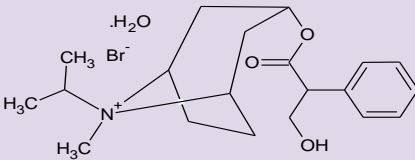
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8501115	I3RI01360A	ALECTINIB STAGE-IV : ALCOHOL IMPURITY			
8501114	I4RI01360A	ALECTINIB STAGE-IV : AMIDE IMPURITY			
8501118	RSRA22478	4-MORPHOLINE-4-YL-PIPERIDINE (REFERENCE STANDARD)		CAS NO : 53617-35-9	
8501512	I2RA22478	4-MORPHOLINE-4-YL-PIPERIDINE : N-CARBETHOXY-4-PIPERIDONE IMPURITY		CAS Number 29976-53-2	
8501513	I3RA22478	4-MORPHOLINE-4-YL-PIPERIDINE : ETHYL 4-(MORPHOLIN-4-YL)PIPERIDINE-1-CARBOXYLATE IMPURITY			
8501338	RSRA22512	2-(4-ETHYL-3-IODOPHENYL)-2-METHYLPROPANOIC ACID (REFERENCE STANDARD)		CAS NO : 1256584-73-2	

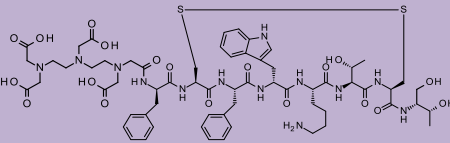
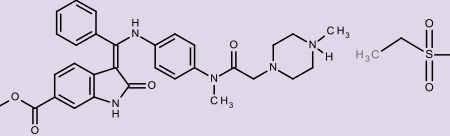
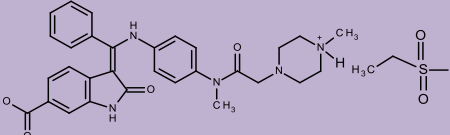
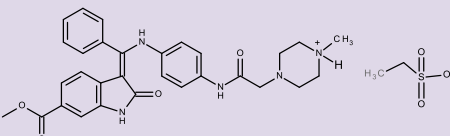
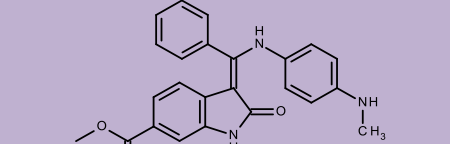
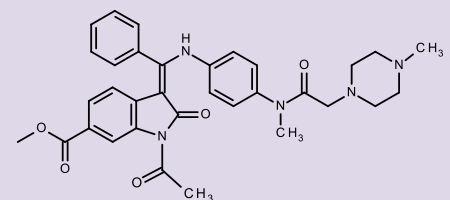
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8501557	I1RA22512	2-(4-ETHYL-3-IODOPHENYL)-2-METHYL PROPANOIC ACID : DES IODO IMPURITY		CAS NO : 1247119-83-0	
8501558	I2RA22512	2-(4-ETHYL-3-IODOPHENYL)-2-METHYL PROPANOIC ACID : DES IODO METHYL ESTER IMPURITY		CAS NO : 698394-59-1	
8501559	I3RA22512	2-(4-ETHYL-3-IODOPHENYL)-2-METHYL PROPANOIC ACID : METHYL ESTER IMPURITY			
8501339	RSRA22508	4-CHLORO-3-NITROBENZONITRILE (REFERENCE STANDARD)		CAS NO : 939-80-0	
8501581	I1RA22508	4-CHLORO-3-NITROBENZONITRILE : 4-CHLORO-3-NITRO BENZOIC ACID IMPURITY		CAS NO : 96-99-1	
8501582	I2RA22508	4-CHLORO-3-NITROBENZONITRILE : 4-CHLORO-3-NITRO BENZAMIDE IMPURITY		CAS NO : 16588-06-0	

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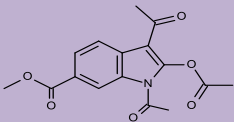
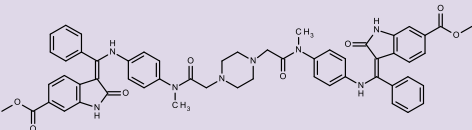
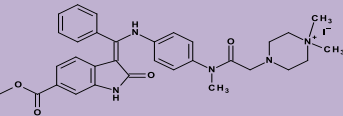
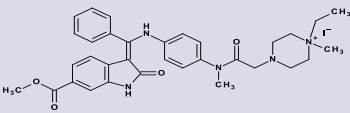
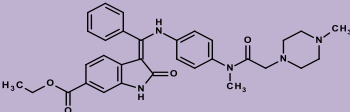
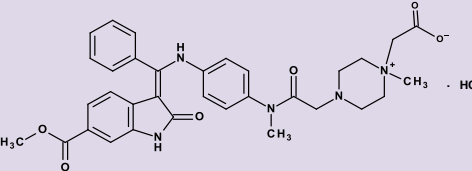
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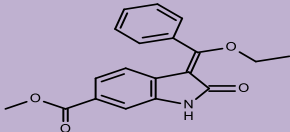
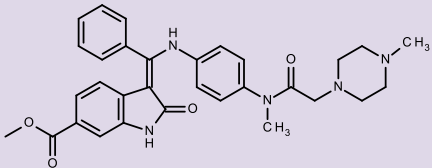
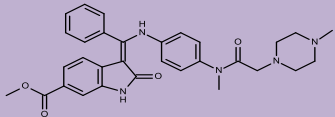
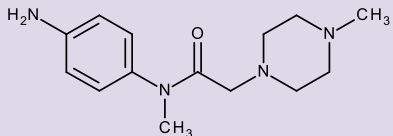
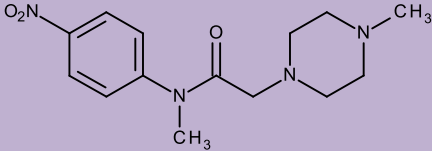
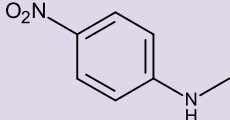
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8504440	I4RI01359A	ALECTINIB STAGE-III : ALECTINIB STAGE-I IMPURITY			
8501165	RSRA22492	TERT-BUTYL 6-CYANO-2-(2-(4-ETHYL-3-IODOPHENYL) PROPANE-2-YL)-1H-INDOLE-3-CARBOXYLATE		CAS NO : 1256584-75-4	
8501164	I1RA22492	ALECTINIB STAGE-III : NITRO IMPURITY			
8503761	I1BD078500	IPRATROPIUM BROMIDE : DES-HYDROXY METHYL IMPURITY (IMPURITY AT RRT 1.4)			
8504436	I2BD078500	IPRATROPIUM BROMIDE : ETHYL ESTER IMPURITY (IMPURITY AT RRT 1.8 )			

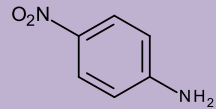
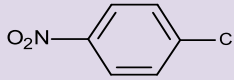
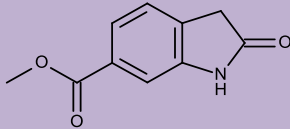
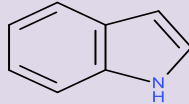
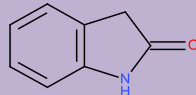
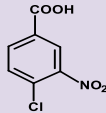
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8504410	IDBD078500	IPRATROPIUM BROMIDE : IMPURITY-D [IH/Ph.Eur.: IMP-D]		CAS NO : 492-38-6	
8504835	IFBD078500	IPRATROPIUM BROMIDE : IMPURITY F [IH/PH.EUR.: IMP-F/APO-IPRATROPIUM IODIDE]		CAS NO : 17812-46-3	
8505132	IGBD078500	IPRATROPIUM BROMIDE : IMPURITY-G [IH : IMP-G/PH.EUR.: IMP-A/USP RELATED A]		CAS NO : 58005-18-8	
8505313	IEBD078500	IPRATROPIUM BROMIDE : IMPURITY-E [USP-N-ISOPROPYL NORATROPINIUM BROMIDE,PH.EUR.: IMP-E]		CAS NO : 183626-76-8	
8505443	WSBD0785U0	IPRATROPIUM BROMIDE USP (WORKING STANDARD)		CAS No. [66985-17-9]	

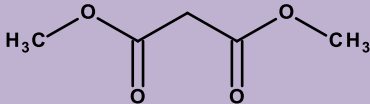
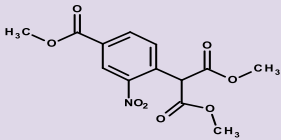
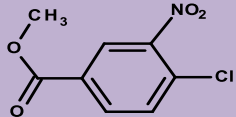
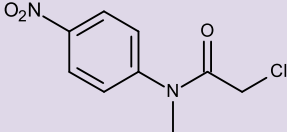
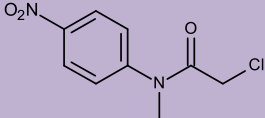
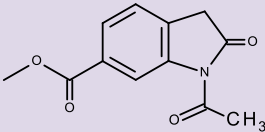
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8501503	RSBD12980 0	NINTEDANIB ESYLATE (Reference standard)		CAS NO : 656247-18-6	
8502832	IABD129800	NINTEDANIB ESYLATE IMPURITY-A (IH : IIMPURITY-A)			
8502905	IBBD129800	NINTEDANIB ESYLATE IMPURITY-B (IH : IMPURITY-B)			
8503065	IEBD129800	NINTEDANIB ESYLATE IMPURITY-E (IH : IMPURITY-E)			
8503105	IFBD129800	NINTEDANIB ESYLATE IMPURITY- F (IH : IMPURITY- F)		CAS No 2130844-77-6	

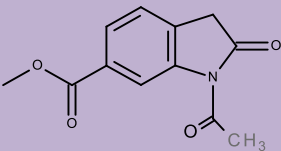
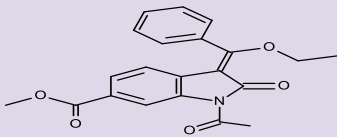
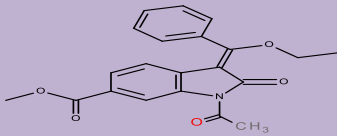
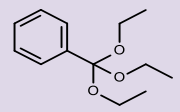
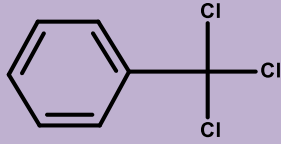
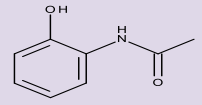


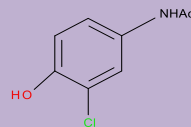
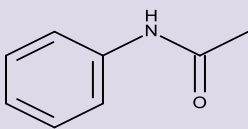
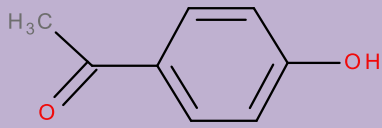
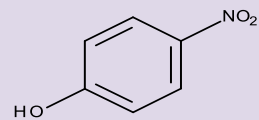
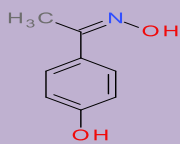
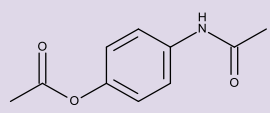
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8503170	IHBD129800	NINTEDANIB ESYLATE IMPURITY- H (IH : IMPURITY- H)			
8503897	IIBD129800	NINTEDANIB ESYLATE IMPURITY- I (IH: IMPURITY- I)			
8503898	IJBD129800	NINTEDANIB ESYLATE IMPURITY- J (IH: IMPURITY- J)			
8503903	IKBD129800	NINTEDANIB ESYLATE IMPURITY-K (IH: IMPURITY-K)			
8503904	ILBD129800	NINTEDANIB ESYLATE IMPURITY-L (IH: IMPURITY-L)			

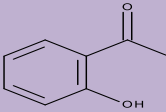
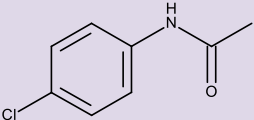
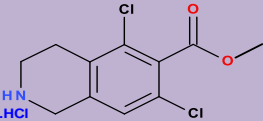
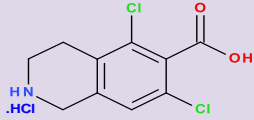
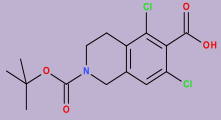
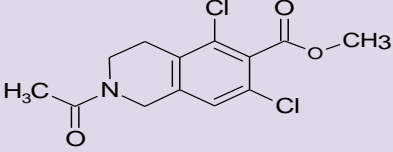
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8502528	RSRI01247A	NINTEDANIB ESYLATE : FREE BASE (REFERENCE STANDARD)		CAS NO : 656247-18-6	
8504190	I1BD12980B	SST FOR NINTEDANIB BASE			
8502521	RSRI01196A	NINTEDANIB ESYLATE STAGE-III (REFERENCE STANDARD)		CAS NO : 262368-30-9	
8502650	I1RI01196A	N-METHYL-2-(4-METHYLPYPERAZIN-1-YL)-N-(4-NITROPHENYL)ACETAMIDE (NINTEDANIB ESYLATE STAGE-II)		CAS no 1139453-98-7	
8502417	RSRA22276	N-METHYL-4-NITROANILINE (REFERENCE STANDARD)		CAS NO : 100-15-2	

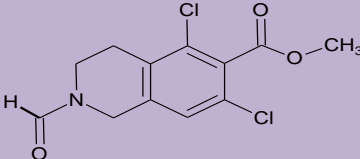
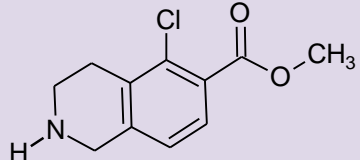
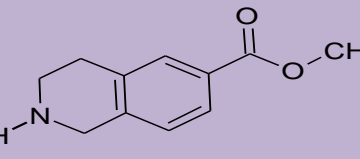
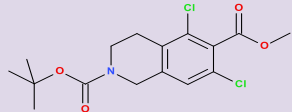
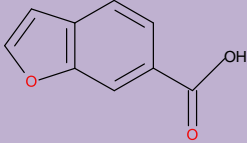
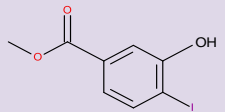
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8501483	I2RA22276	1-CHLORO-4-NITROBENZENE		CAS NO : 100-00-5	
8502418	RSRA22278	2-OXO-1,3-DIHYDROINDOLE-6-CARBOXYLIC ACID METHYLESTER (REFERENCE STANDARD)		CAS NO : 700363-35-5	
8502606	I1RA22278	INDOLE		CAS No : 120-72-9	
8502685	I2RA22278	2-OXINDOLE		CAS NO : 59-48-3	
8501481	I3RA22278	4-CHLORO-3-NITROBENZOIC ACID		CAS NO : 96-99-1	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501482	I4RA22278	DIMETHYL MALONATE		CAS NO : 108-59-8	
8503783	I5RA22278	DIMETHYL[4-(METHOXYCARBONYL)-2-NITROPHENYL]PROPANEDIOATE			
8503784	I6RA22278	METHYL-4-CHLORO-3-NITROBENZOATE		CAS Number: 14719-83-6	
8502520	RSRI01194A	NINTEDANIB ESYLATE STAGE-I (REFERENCE STANDARD)		CAS NO : 2653-16-9	
8503782	I1RI01194A	SST FOR NINTEDANIB ESYLATE STAGE-I			
8502534	RSRI01289A	NINTEDANIB ESYLATE STAGE-IB (REFERENCE STANDARD)		CAS NO : 676326-36-6	

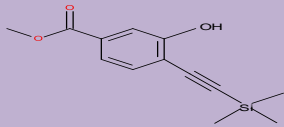
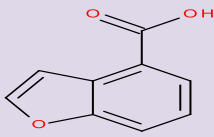
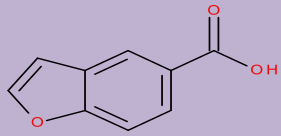
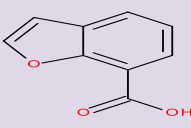
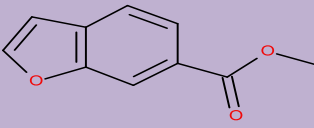
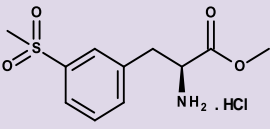
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8502535	RSRI01290A	NINTEDANIB ESYLATE STAGE-IIB (REFERENCE STANDARD)		CAS No 1027407-75-5	
8503770	I1RI01290A	SST FOR NINTEDANIB ESYLATE STAGE-IIB			
8502416	RSRA22275	TRIETHYL ORTHOBENZOATE (REFERENCE STANDARD)		CAS NO : 1663-61-2	
8503785	I1RA22275	TRICHLOROMETHYL BENZENE		CAS NO : 98-07-7	
8505942	8505942	ACETAMINOPHEN USP RELATED COMPOUND- C / PARACETAMOL EP IMP-A		CAS NO : 614-80-2	

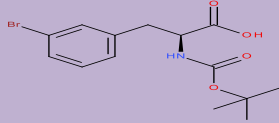
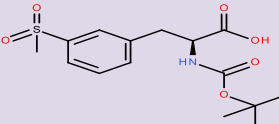
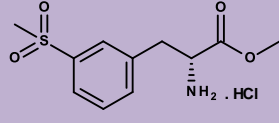
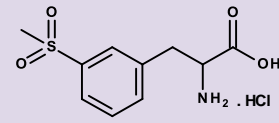
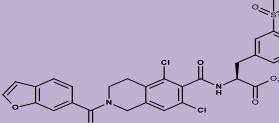
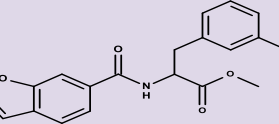
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8505937	8505937	ACETAMINOPHEN USP RELATED COMPOUND-D / PARACETAMOL EP IMP-D		CAS NO : 103-84-4	
8505935	8505935	ACETAMINOPHEN EP IMP-E / PARACETAMOL EP IMP-E		CAS NO : 99-93-4	
8505936	8505936	ACETAMINOPHEN USP RELATED COMPOUND F / PARACETAMOL EP IMP-F		CAS No : 100-02-7	
8505939	8505939	PARACETAMOL EP IMP-G		CAS NO : 34523-34-7	
8505776	8505776	ACETAMINOPHEN USP R C-A ; ACETAMINOPHEN IMP-H / PARACETAMOL EP IMP-H		CAS NO : 2623-33-8	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
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8505938	8505938	ACETAMINOPHEN USP RELATED COMPOUND- J / PARACETAMOL EP IMP-J		CAS NO : 539-03-7	
8501306	RSRA22496	METHYL 5,7-DICHLORO-1,2,3,4-TETRAHYDRO ISOQUINOLINE-6-CARBOXYLATE HYDROCHLORIDE (REFERENCE STANDARD)		CAS NO : 851784-90-2	
8501308	IARA22496	LIFITEGRAST RM-2 : ACID IMPURITY		CAS No.: 1289646-93-0	
8501309	IBRA22496	LIFITEGRAST RM-2 : IMPURITY-A		CAS NO : 851784-82-2	
8505284	ICRA22496	LIFITEGRAST RM-2 : N-ACETYL IMPURITY (IMPURITY-C)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505285	IDRA22496	LIFITEGRAST RM-2 : N-FORMYL IMPURITY (IMPURITY-D)			
8505286	IERA22496	LIFITEGRAST RM-2 : DES-CHLORO IMPURITY (IMPURITY-E)			
8505287	IFRA22496	LIFITEGRAST RM-2 : DI-DES CHLORO IMPURITY (IMPURITY-F)			
8501310	IIRA22496	LIFITEGRAST RM-2 : IMPURITY-B			
8501307	RSRA22497	6-BENZOFURANCARBOXYLIC ACID (REFERENCE STANDARD)		CAS NO : 77095-51-3	
8501311	IARA22497	LIFITEGRAST RM-1 : IMPURITY-A		CAS NO : 157942-12-6	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501312	IBRA22497	LIFITEGRAST RM-1 : IMPURITY-B		CAS NO : 478169-68-5	
8506639	8506639	LIFITEGRAST RM-1 : IMPURITY-C		CAS NO : 166599-84-4	
8506640	8506640	LIFITEGRAST RM-1 : IMPURITY-D		CAS NO : 90721-27-0	
8506638	8506638	LIFITEGRAST RM-1 : IMPURITY-E		CAS NO : 90484-22-3	
8501313	IIRA22497	LIFITEGRAST RM-1 : ESTER IMPURITY		CAS NO : 588703-29-1	
8503378	RSRA22498	METHYL (S)-2AMINO-3-(3-(METHYLSULFONYL)PHENYL)PROPANOATE HYDROCHLORIDE (REFERENCE STANDARD)		CAS NO : 851785-21-2	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501843	IARA22498	LIFITEGRAST RM-3 : IMPURITY-A			
8501844	IBRA22498	LIFITEGRAST RM-3 : IMPURITY-B			
8501848	ICRA22498	LIFITEGRAST RM-3 : R-ISOMER OF RM-3 (IMPURITY-C)			
8502116	I2RA22498	LIFITEGRAST RM-3 : ACID IMPURITY OF RM-3 (IMPURITY-D)		Cas No : 2177264-60-5	
8503380	RSRI01376A	LIFITEGRAST STAGE-III (REFERENCE STANDARD)		CAS NO : 2295862-29-0	
8501821	IARI01376A	LIFITEGRAST STAGE-III : RM-1 & RM-3 CONDENSED IMPURITY (IH: IMPURITY-A)			



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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501823	IBRI01376A	LIFITEGRAST STAGE-III : DI-RM-3 ESTER IMPURITY (IH: IMPURITY-B)			
8501822	ICRI01376A	LIFITEGRAST STAGE-III : R-LIFITEGRAST STAGE-III (IH: IMPURITY-C)			
8503405	IDRI01376A	LIFITEGRAST STAGE-III: IMPURITY-D (IH: IMPURITY-D)			
8501351	RSRI01374A	LIFITEGRAST STAGE-I (REFERENCE STANDARD)			
8501962	I2RI01374A	LIFITEGRAST STAGE-I : EDU	 <chem>CCN(CC)CCCCNC(=O)NCC</chem>	CAS NO : 32897-26-0	
8501824	IABD138800	LIFITEGRAST: HYDROLYTIC IMPURITY (IH: IMPURITY-A)			



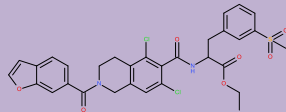
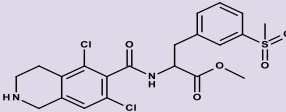
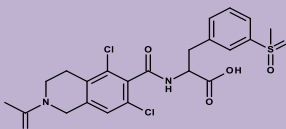
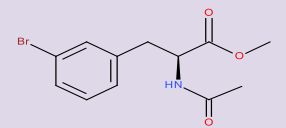
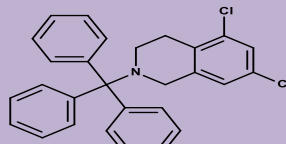
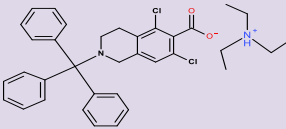
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501826	IBBD138800	LIFITEGRAST: DI-RM-3 IMPURITY (IH: IMPURITY-B)			
8501825	ICBD138800	LIFITEGRAST: R-LIFITEGRAST (IH: IMPURITY-C)			
8503379	RSRI01375A	LIFITEGRAST STAGE-II (REFERENCE STANDARD)			
8503406	IGBD138800	LIFITEGRAST: IMPURITY-G (IH: IMPURITY-G)			
8502201	RSBD138800	LIFITEGRAST (REFERENCE STANDARD)		CAS NO : 1025967-78-5	
8505315	IIBD138800	LIFITEGRAST: DI-RM-2 IMPURITY (IH: IMPURITY-I)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505381	IJBD138800	LIFITEGRAST: ETHYL ESTER IMPURITY (IH: IMPURITY-J)			
8505382	IKBD138800	LIFITEGRAST: METHYL ESTER OF HYDROLYTIC IMPURITY (IH:IMPURITY-K)			
8505288	IHBD138800	LIFITEGRAST: N-ACETYL HYDROLYTIC IMPURITY (IH: IMPURITY-H)			
8505431	RSRA22692	METHYL 2-ACETAMIDO-3-(3-BROMOPHENYL) PROPANOATE (REFERENCE STANDARD)			
8505428	RSRA22693	5,7-DICHLORO-2-TRITYL-3,4-DIHYDRO-1H-ISOQUINOLINE (REFERENCE STANDARD)		CAS NO : 1289646-72-5	
8505429	RSRA22694	5,7-DICHLORO-2-TRITYL-3,4-DIHYDRO-1H-ISOQUINOLINE-6-CARBOXYLIC ACID (REFERENCE STANDARD)			

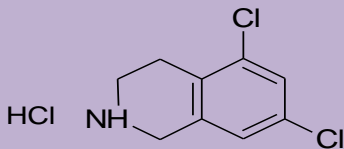
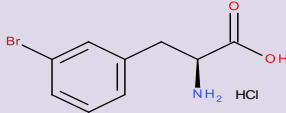
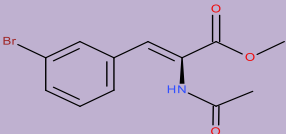
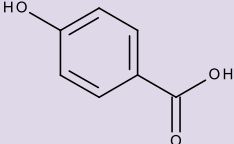
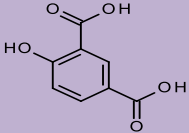
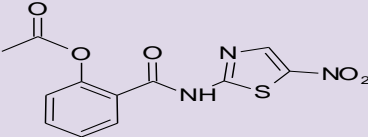


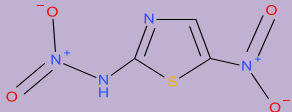
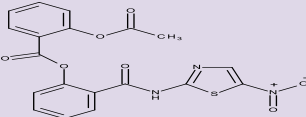
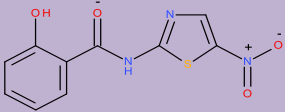
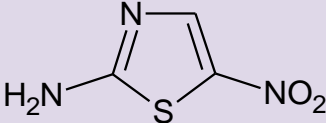
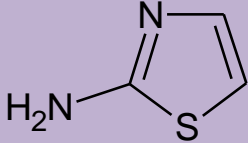
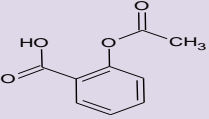
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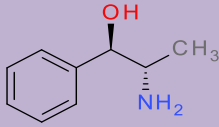
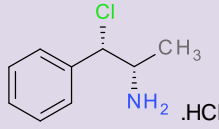
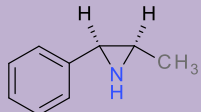
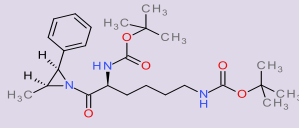

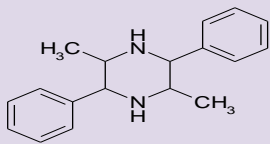
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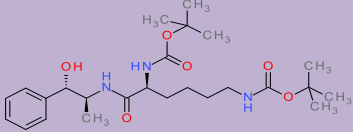
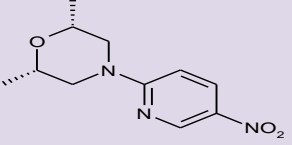
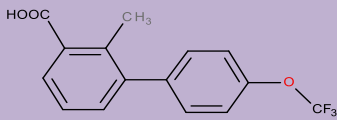
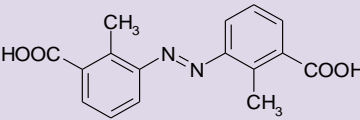
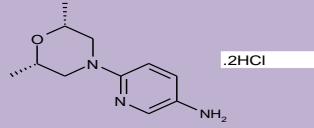
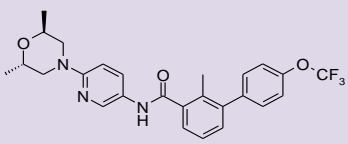
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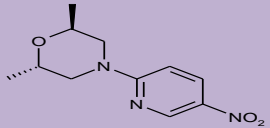
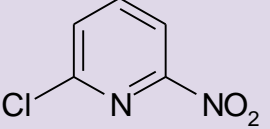
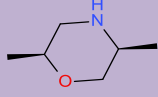
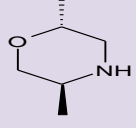
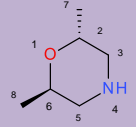
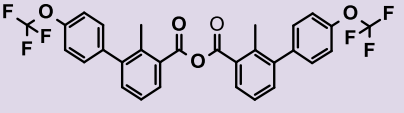
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505430	RSRA22695	5,7-DICHLORO-1,2,3,4-TETRAHYDROISOQUINOLINE HYDROCHLORIDE (REFERENCE STANDARD)			
8505432	RSRA22696	2-AMINO-3-(3-BROMOPHENYL)PROPANOIC ACID HYDROCHLORIDE (REFERENCE STANDARD)			
8505433	RSRA22697	METHYL-2-ACETAMIDO-3-(3-BROMOPHENYL)PROP-2-ENOATE (REFERENCE STANDARD)			
8505778	8505778	SALICYLIC ACID USP R C- A ,SALICYLIC ACID EP IMP-A/ ACETYLSALICYLIC ACID EP IMP-A/ASPIRIN IMP-A		CAS NO : 99-96-7	
8505940	8505940	ACETYLSALICYLIC ACID/ ASPIRIN EP IMP-B, SALICYLIC ACID-EP/USP IMPURITY B		CAS NO : 636-46-4	
8505829	8505829	NITAZOXANIDE (REFERENCE STANDARD)		CAS No 55981-09-4	Discontinue due to official std available in Pharmacopeia

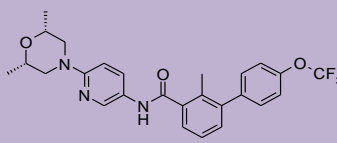
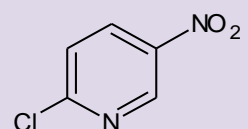
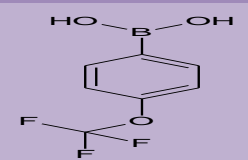
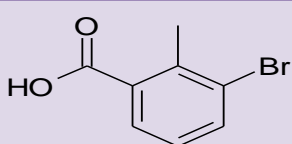
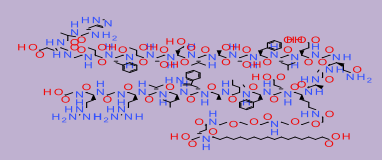
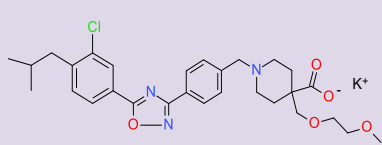
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505434	IA8040613	NITAZOXANIDE STAGE-I : IMPURITY-A			
8505437	ICBD14610 A	NITAZOXANIDE : ACETOXYBENZOATE IMPURITY(IH : IMPURITY-C)		CAS No 952686-58-7	
8505435	IABD14610 A	NITAZOXANIDE : TIZOXANIDE IMPURITY [IH : IMPURITY-A,USP RELATED COMPOUND B		CAS No 173903-47-4	
8505641	8505641	NITAZOXANIDE STAGE-I (REFERENCE STANDARD/ USP RELATED COMPOUND A		CAS No-121-66-4	
8505720	8505720	NITAZOXANIDE KSM-II :2-AMINO THIAZOLE (REFERENCE STANDARD)		CAS Number: 96-50-4	
8505719	8505719	NITAZOXANIDE KSM-I : ASPIRIN (REFERENCE STANDARD		CAS Number: 50-78-2	

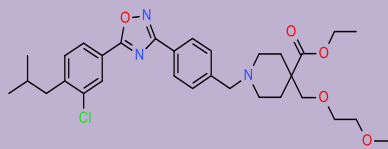
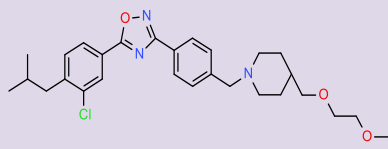
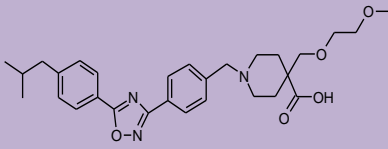
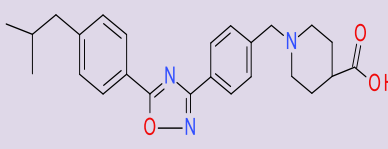
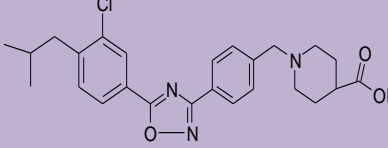
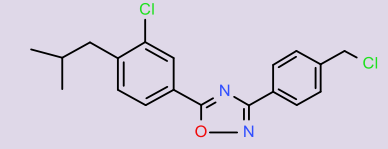
SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502426	RSRA30026	L-NOREPHEDRINE BASE (REFERENCE STANDARD)		CAS Number: 492-41-1	
8502526	RSRI01235A	LISDEXAMFETAMINE DIMESYLATE STAGE-IA (REFERENCE STANDARD)		Not found	
8502527	RSRI01236A	LISDEXAMFETAMINE DIMESYLATE STAGE-I (REFERENCE STANDARD)		Not found	
8502906	IBBD132300	[(S)-5-TERT-BUTOXYCARBONYLAMINO-6-((2S,3R)-2-METHYL-3-PHENYL-AZIRIDIN-1-YL)-6-OXO-HEXYL]-CARBAMIC ACID TERT-BUTYL ESTER		Not found	
8502833	IABD132300	[(S)-5-TERT-BUTOXYCARBONYLAMINO-5-((S)-1-METHYL-2-PHENYL-ETHYL-CARBAMOYL)-PENTYL]-CARBAMIC ACID TERT-BUTYL ESTER		Not found	
8501365	IARI01235A	LISDEXAMFETAMINE DIMESYLATE STAGE-IA : IMPURITY-A (IH : IMPURITY-A)		CAS No 54600-85-0	



SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
	I5RI01240A	[(S)-5-TERT-BUTOXYCARBONYLAMINO-1-((1S,2R)-2-HYDROXY-1-METHYL-2-PHENYLETHYLCARBAMOYL)-PENTYL)-CARBAMIC ACID TERT-BUTYL ESTER			
8504869	RSRI01561A	CIS -2,6-DIMETHYL-4-(5-NITROPYRIDIN-2-YL)MORPHOLINE [SONIDEGIB DIPHOSPHATE INTERMEDIATE C3 [STAGE-IA]] (REF. STD.)		CAS No 956699-05-1	
8504870	RSRI01562A	SONIDEGIB DIPHOSPHATE INTERMEDIATE Y4B [STAGE-IIA] (REFERENCE STANDARD)		CAS No 1221722-10-6	
8504864	IIRI01562A	SONIDEGIB DIPHOSPHATE INTERMEDIATE Y4B [STAGE-IIA]: AZO IMPURITY		Not found	
8506007	8506007	SONIDEGIB C4 INTERMEDIATE [REFERENCE STANDARD]		Not found	
8506008	8506008	SONIDEGIB TRANS-ISOMER (REFERENCE STANDARD)		Not found	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504863	I1RI01561A	SONIDEGIB DIPHOSPHATE INTERMEDIATE C3 [STAGE-IA]:TRANS ISOMER IMPURITY		Not found	
8504943	I3RA22649	2-CHLORO-6-NITROPYRIDINE (REFERENCE STANDARD)		CAS No : 94166-64-0	
8504949	I1RA22650	CIS-2,5- DIMETHYL MORPHOLINE (REFERENCE STANDARD)		CAS No : 1258277-12-1	
8504961	I3RA22650	TRANS-2,5- DIMETHYL MORPHOLINE		CAS No : 67804-27-7	
8504962	I4RA22650	TRANS-2,6- DIMETHYLMORPHOLINE (REFERENCE STANDARD)		CAS No : 6485-45-6	
8506269	8506269	SONIDEGIB DIPHOSPHATE INTERMEDIATE C5: LDE225-C5 ANHYDRIDE/517-12 IMPURITY [REFERNCE STANDARD]		Not found	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506340	8506340	SONIDEGIB (REFERENCE STANDARD)		CAS No : 956697-53-3	
8504765	RSRA22649	2-CHLORO-5-NITROPYRIDINE (REFERENCE STANDARD)		CAS No : 4548-45-2	
8504763	RSRA22651	4-(TRIFLUOROMETHOXY)PHENYL BORONIC ACID (REFERENCE STANDARD)		CAS No : 139301-27-2	
8504764	RSRA22648	3-BROMO-2-METHYL BENZOIC ACID (REFERENCE STANDARD)		CAS No : 76006-33-2	
8505319	GRSBD14160	SEMAGLUTIDE (GLOBAL REFERENCE STANDARD)		CAS Number 910463-68-2	
8501850	RSBD142500	SCD-044 (REFERENCE STANDARD)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8502022	I1BD142500	SCD-044 ETHYL ESTER IMPURITY			
8502023	I2BD142500	SCD-044 DES CARBOXYL IMPURITY			
8502024	I3BD142500	SCD-044 DES CHLORO IMPURITY			
8502025	I4BD142500	SCD-044 DES CHLORO DES MEM ETHER IMPURITY			
8502026	I5BD142500	SCD-044 DES MEM ETHER IMPURITY			
8502027	I6BD142500	SCD-044 CHLORO METHYL IMPURITY			



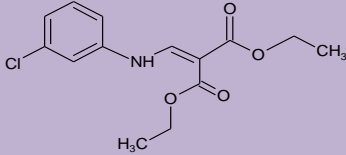
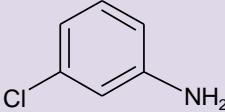
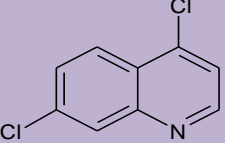
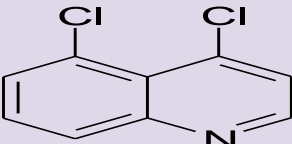
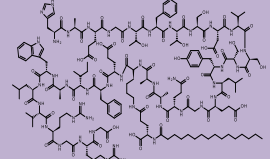
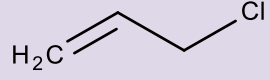
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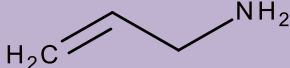

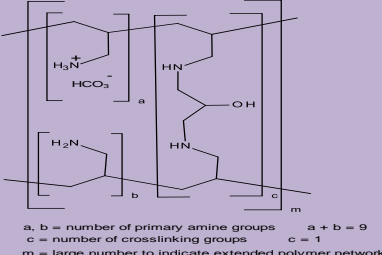
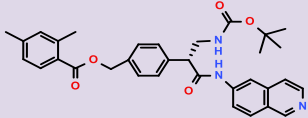
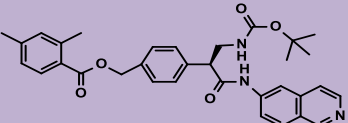
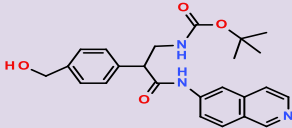
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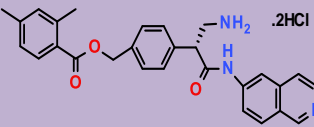
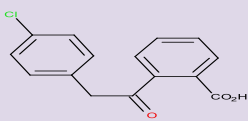
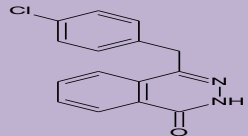
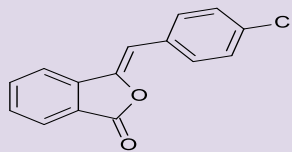
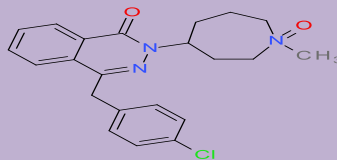
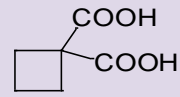
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504523	I7BD142500	SCD-044 DICARBOXYLIC ACID IMPURITY			
8504524	I8BD142500	SCD-044 METHYL ETHER IMPURITY			
8504641	I9BD142500	SCD-044 N-OXIDE (MIXTURE OF SYN & ANTI) IMPURITY			
8505605	8505605	HCQ/4-7 DCQ/ STAGE-I (REFERENCE STANDARD)	 ethyl 7-Chloro-4-hydroxyquinoline-3-carboxylate	CAS No : 16600-22-9	
8505606	8505606	HCQ/4-7 DCQ/ STAGE-II (REFERENCE STANDARD)	 7-chloro-4-hydroxyquinoline-3-carboxylic acid	CAS No : 86-47-5	
8505607	8505607	HCQ/4-7 DCQ/ STAGE-III (REFERENCE STANDARD)	 4-Hydroxy-7-chloroquinoline	CAS No : 86-99-7	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505685	8505685	DIETHYL{[3-CHLOROPHENYL)AMINO] METHYLIDENE}PROPANEDIOATE[REFERENCE STANDARD]	 <p>diethyl{[3-chlorophenyl)amino]methylidene} propanedioate</p>	CAS No : 3412-99-5	
8505691	8505691	META CHLOROANILINE (REFERENCE STANDARD)	 <p>m-chloroaniline</p>	CAS No : 108-42-9	
8505707	8505707	4,7-DICHLORO QUINOLINE (REFERENCE STANDARD)	 <p>4,7-dichloroquinoline</p>	CAS No : 86-98-6	
8507450	8507450	4,7-DICHLOROQUINOLINE : 4,5-DICHLOROQUINOLINE IMPURITY [REFERENCE STANDARD]	 <p>4,5-Dichloroquinoline</p>	CAS No : 21617-18-5	
8503739	GRSBD1089 O	LIRAGLUTIDE (GLOBAL REFERENCE STANDARD)		CAS No : 204656-20-2	
8502601	IIRA21935	ALLYL AMINE IMPURITY : ALLYL CHLORIDE		CAS No : 107-05-1	

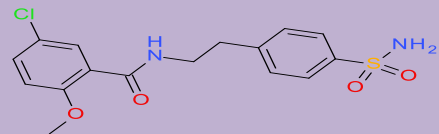
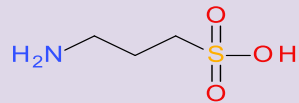
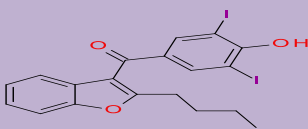
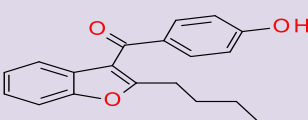
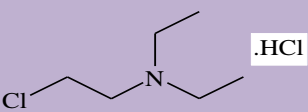
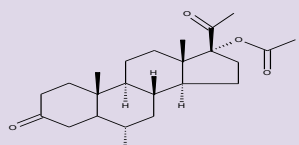
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8503326	I3BD0387O0	SEVELAMER CARBONATE : ALLYLAMINE IMPURITY		CAS No : 107-11-9	
8500153	IBBD0387O0	SEVELAMER CARBONATE : EPICHLOROHYDRIN (IH : IMP-B)		CAS No : 106-89-8	
8500662	RSBD0387O0	SEVELAMER CARBONATE (REFERENCE STANDARD)		CAS No : 845273-93-0	
8504562	I1RI01487A	NETARSUDIL DIMESYLATE STAGE IX: R-ISOMER IMPURITY			
8504360	RSRI01487A	NETARSUDIL DIMESYLATE STAGE-IX (REFERENCE STANDARD)			
8504358	RSRI01485A	NETARSUDIL DIMESYLATE : STAGE VII			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8504563	I11BD14470	NETARSUDIL DIMESYLATE: R-ISOMER IMPURITY			
8507331	8507331	AZELASTINE HYDROCHLORIDE EP-IMPURITY-C		CAS No : 53242-76-5	
8507212	8507212	AZELASTINE HYDROCHLORIDE EP-IMPURITY-D / USP RELATED COMPOUND D		CAS Number: 53242-88-9	
8505395	I2BD003700	AZELASTINE USP REL. COMP-E , EP-IMP-E		CAS Number: 20526-97-0	
8506268	8506268	AZELASTINE HYDROCHLORIDE : N-OXIDE IMPURITY (USP – RELATED COMPOUND F		CAS NO : 640279-88-5	
8500109	IBBD007100	CARBOPLATIN : IMPURITY-B (IH/BP/ Ph.Eur. : IMP-B, USP : CYCLOBUTANE DICARBOXYLIC ACID)		CAS Number 5445-51-2	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8503895	IABD019800	GLIBENCLAMIDE : IMPURITY A [IH/Ph.Eur.: IMPURITY A, USP-GLYBURIDE RELATED COMPOUND A]		CAS Number: 16673-34-0	
8504390	IABD000100	ACAMPROSATE : IMPURITY A [IH/Ph.Eur.: IMPURITY A, USP-ACAMPROSATE RELATED COMPOUND A]		CAS Number: 3687-18-1	
8504401	IDBD100500	AMIODARONE HYDROCHLORIDE : IMPURITY-D [IH/PH.EUR.: IMP-D,USP-RELATED COMPOUND-D]		CAS Number: 1951-26-4	
8504402	IEBD100500	AMIODARONE HYDROCHLORIDE : IMPURITY-E [IH/PH.EUR.: IMP-E,USP-RELATED COMPOUND-E]		CAS Number: 52490-15-0	
8504403	IHBD100500	AMIODARONE HYDROCHLORIDE : IMPURITY-H [IH/PH.EUR.: IMP-H,USP-RELATED COMPOUND-H]		CAS Number: 869-24-9	
8502559	I1BD026200	MEDROXYPROGESTERONE ACETATE : 4,5-DIHYDROMEDROXYPROGESTERONE ACETATE IMPURITY (USP : IMP-A and EP: IMP-F)		CAS No : 69688-15-9	

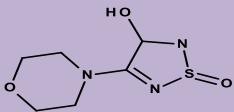
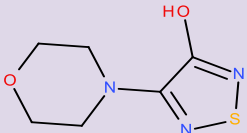
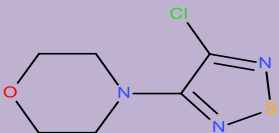
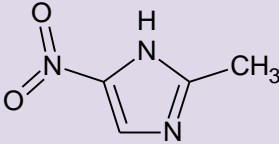
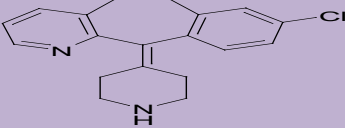
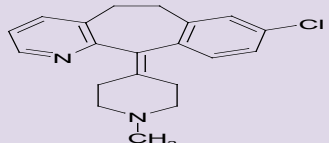


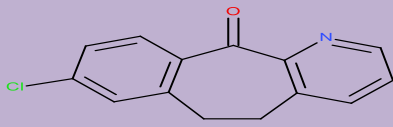
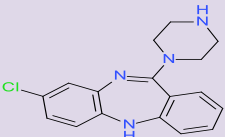
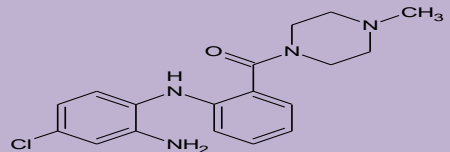
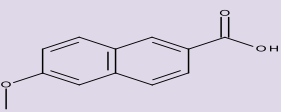
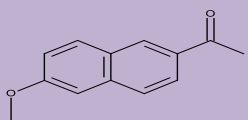
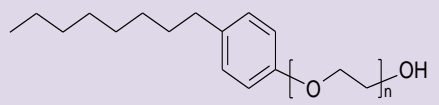
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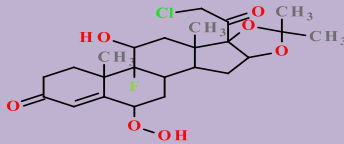
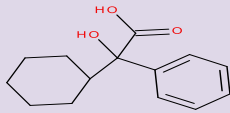
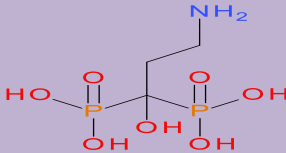
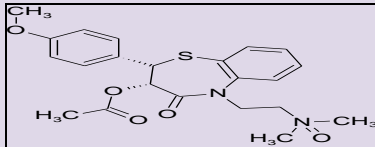
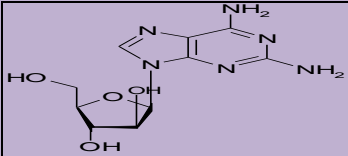
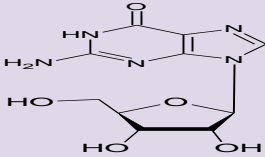
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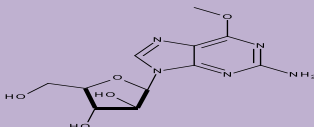
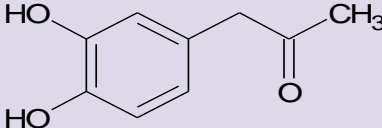
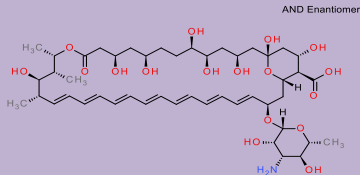
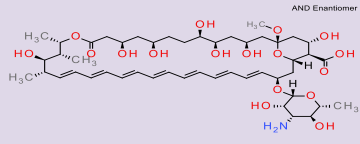
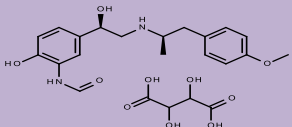
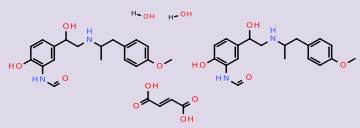
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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505133	I1BD042500	TIMOLOL MALEATE: 3-HYDROXY-1-SULFOXIDE IMPURITY		CAS Number: 75202-36-7	
8507211	8507211	TIMOLOL EP / BP IMPURITY D , TIMOLOL USP RELATED COMPOUND D		CAS No.: 30165-97-0	
8505965	8505965	TIMOLOL USP : REL. COMP-F, EP-IMP-F		CAS Number: 30165-96-9	
8505943	8505943	TINIDAZOLE USP/EP-IMP-A / METRONIDAZOLE EP IMP-A		CAS Number: 696-23-1	
8503893	IABD025000	LORATIDIN : IMPURITY-A [IH/USP-RELATED COMPOUND-A,,PH.EUR.: IMP-D]		CAS Number: 100643-71-8	
8503894	IBBD025000	LORATIDIN : IMPURITY-B [IH/USP-RELATED COMPOUND-B,,PH.EUR.: IMP-G]		CAS Number: 38092-89-6	

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505131	ICBD099500	LORATIDIN : IMPURITY-C [IH/USP-RELATED COMPOUND-C,,Ph.Eur.: IMP-B]		CAS Number: 31251-41-9	
8504704	I1BD010200	CLOZAPINE : PH. EUR/EP/USP- IMPURITY C		CAS Number: 6104-71-8	
8505282	I2BD010200	CLOZAPINE : DIAMINE IMPURITY [USP.: IMP.-D/EP.: IMP.-D]		CAS Number: 65514-71-8	
8505320	I1BD029700	NAPROXEN USP -RELATED COMPOUND A , EP IMP-O		CAS Number: 2471-70-7	
8505322	I2BD029700	NAPROXEN USP -RELATED COMPOUND L , EP IMP-L		CAS Number: 3900-45-6	
8505177	RSE0015200	OCTOXYNOL 40 (ICONOL OP-40-70%) (REFERENCE STANDARD)			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8501620	I1BD136700	HALCINONIDE: 6-HYDROPEROXIDE IMPURITY (IMPURITY AT RRT 0.77)			
8505394	I1BD03280A	OXYBUTYNIN USP : REL. COMP-A, EP-IMP-D		CAS Number: 4335-77-7	
8502115	RSBD033400	PAMIDRONIC ACID (REFERENCE STANDARD)		CAS NO : 40391-99-9	
8505753	8505753	DILTIAZEM HYDROCHLORIDE : DILTIAZEM N-OXIDE IMPURITY		CAS NO : 142843-04-7	
8506049	8506049	NELARABINE DIAMINE IMPURITY		CAS No. 34079-68-0	
8506335	8506335	NELARABINE ARA-G IMPURITY			

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8505713	8505713	NELARABINE [REFERENCE STANDARD]		CAS Number: 121032-29-9	
8507200	8507200	CARBIDOPA : 3,4-DIHYDROXYPHENYL ACETONE IMPURITY [IMP-G-EP]		CAS No : 2503-44-8	
8505902	RSBD002500	AMPHOTERICIN B (REFERENCE STANDARD)	 AND Enantiomer	CAS Number: 1397-89-3	
8506700	8506700	AMPHOTERICIN EP IMPURITY B	 AND Enantiomer	CAS Number 136135-57-4	
8505477	RSBD143300	ARFORMOTEROL TARTRATE (REFERENCE STANDARD)		CAS Number: 200815-49-2	
8505648	8505648	FORMOTEROL FUMARATE USP (SOURCE : MSN LAB) (REFERENCE STANDARD)		CAS Number: 43229-80-7	

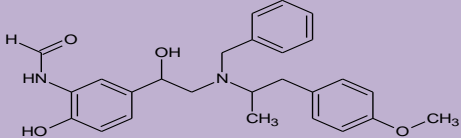
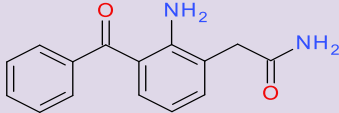
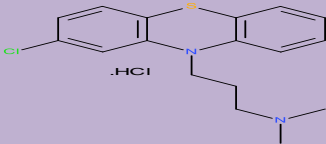
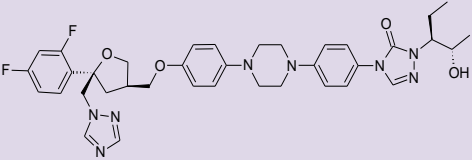
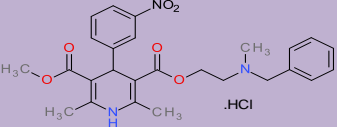


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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506560	8506560	FORMOTEROL FUMARATE : MONOBENZYL IMPURITY [EP/USP-IMPURITY-H]			
8505312	RSBD03010 D	NEPAFENAC (STERILE) (REFERENCE STANDARD)		CAS Number: 78281-72-8	
8505830	8505830	CHLORPROMAZINE HYDROCHLORIDE USP (PARENTERAL GRADE) WORKING STANDARD		CAS number 69-09-0	
8505933	8505933	POSACONAZOLE (POLYMORPHIC FORM I) (REFERENCE STANDARD)		CAS No.: 171228-49-2	
8505541	8505541	NICARDIPINE HYDROCHLORIDE USP (PARENTERAL GRADE) (WORKING STANDARD)			
8505748	8505748	NICARDIPINE HYDROCHLORIDE : IMPURITY A[IH /USP-IMPURITY A]		CAS No : 74936-72-4	



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SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506680	8506680	MYRISTYL-GAMMA PICOLINIUM CHLORIDE [REFERENCE STANDARD]		CAS No. 2748-88-1	
8506404	8506404	LIDOCAINE HYDROCHLORIDE USP WORKING STANDARD		CAS NO : 6108-05-0	
8505364	RSBD130200	BUPIVACAINE BASE (PARENTERAL GRADE) (REFERENCE STANDARD)		CAS No 38396-39-3	
8506382	8506382	VITAMIN E (DL-ALPHATOCOPHEROL) REFERENCE STANDARD		CAS No. 10191-41-0	
8505221	RSBD0107U0	CYCLOSPORINE USP (REFERENCE STANDARD)		CAS No. 59865-13-3	
8506177	8506177	DEXAMETHASON USP (MICRONISED) WORKING STANDARD)		CAS No. 50-02-2	

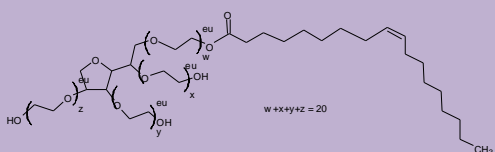


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**IH HOUSE API REFERENCE STANDARD IMPURITY CATALOGUE**  
**API RESEARCH DEPT.**

Last update On Aug 2021

SAP CODE	Metis CODE	PROJECT / IMPURITY NAME	STRUCTURE & IUPAC NAME	CAS NO	Remark
8506673	8506673	POLYSORBATE 80 (REFERENCE STANDARD)	 $w+x+y+z = 20$	CAS No. 9005-65-6	