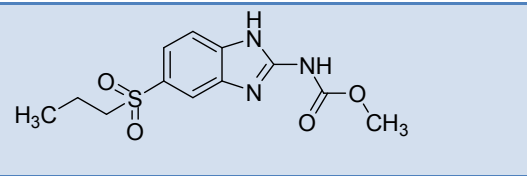
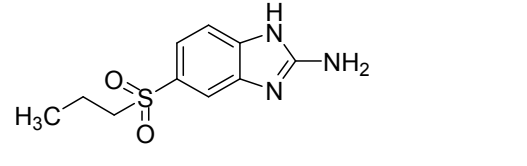
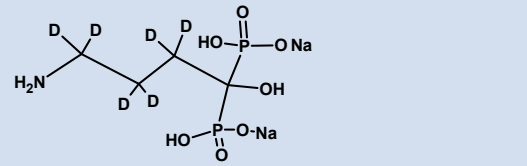
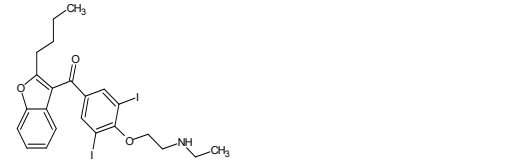
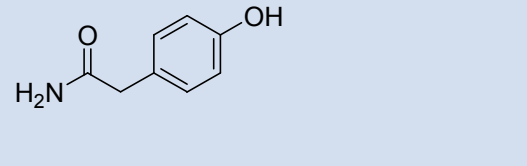
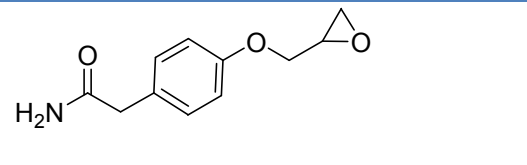
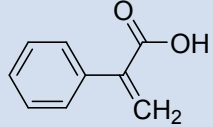
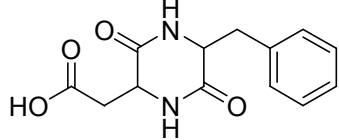
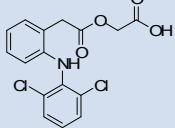
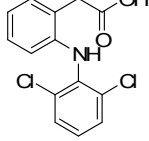
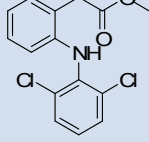
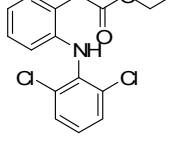


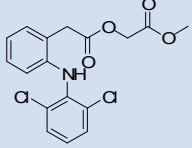
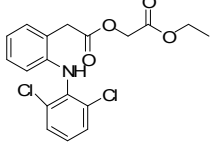
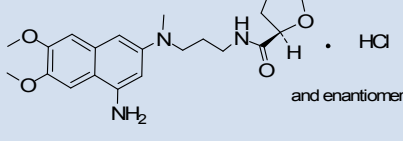
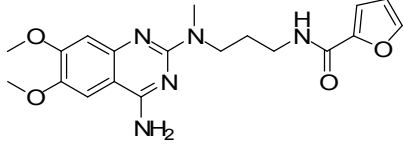
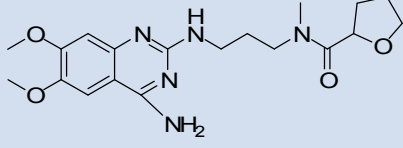
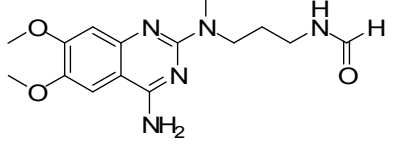
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
ALBENDAZOLE SULFONE		methyl 5-(propylsulfonyl)-1H-benzo[d]imidazol-2-ylcarbamate	
ALBANDAZOLE Impurity D (albendazole-2-amino - sulfone)			
ALLENDRONATE d6 di sodium salt		disodium [4-amino-1-hydroxy(2H6)butane-1,1-diyl]bis[hydrogen (phosphonate)]	
AMIODARONE-B			
ATENOLOL IMPURITY A		2-(4-hydroxyphenyl)acetamide	
ATENOLOL IMPURITY B		2-[4-(oxiran-2-ylmethoxy)phenyl]acetamide	

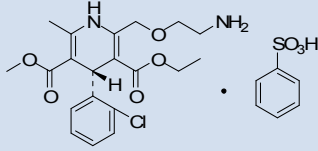
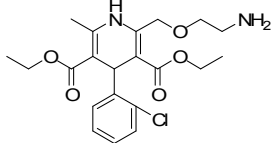
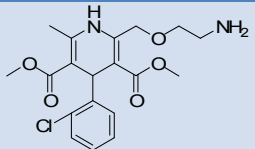
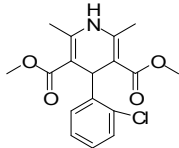
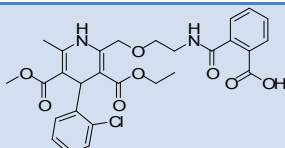
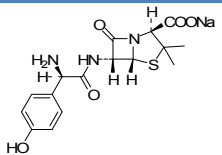
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
ATROPIC ACID		2-phenyl-2-propanoic acid	
ASPARTAME RELATED COMPOUND		(5-benzyl-3,6-dioxo-2-piperazine acetic acid)	
ACECLOFENAC	89796-99-6	2-(2-(2-(2,6-dichlorophenylamino)phenyl)acetoxy)acetic acid	
ACECLOFENAC Impurity A (diclofenac)		2-(2-(2,6-dichlorophenylamino)phenyl)acetic acid	
ACECLOFENAC Impurity B (diclofenac methyl ester)		methyl 2-(2-(2,6-dichlorophenylamino)phenyl)acetate	
ACECLOFENAC Impurity C (diclofenac ethyl ester)		ethyl 2-(2-(2,6-dichlorophenylamino)phenyl)acetate	

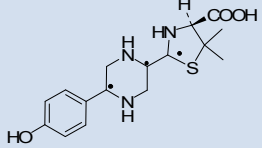
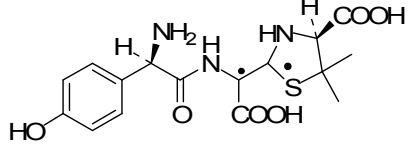
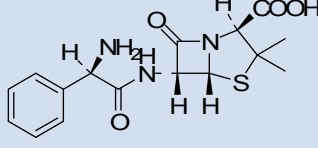
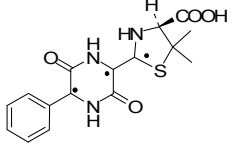
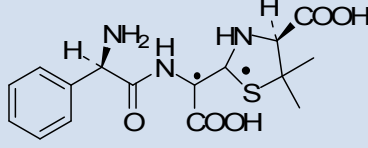
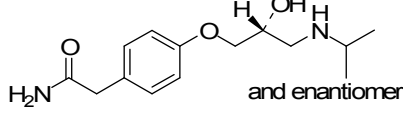
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
ACECLOFENAC Impurity D (methyl ester of aceclofenac)		methyl[[[2-[(2,6-dichlorophenyl)amino]phenyl]acetyl]oxy]acetate	
ACECLOFENAC Impurity E (ethyl ester of aceclofenac)		ethyl[[[2-[(2,6-dichlorophenyl)amino]phenyl]acetyl]oxy]acetate	
ALFUZOSIN HYDROCHLORIDE	81403-68-1		 <p align="center">and enantiomer</p>
ALFUZOSIN Impurity A	98902-29-5	N-[3-[4-amino-6,7-dimethoxyquinazolin-2-yl)methylamino]propyl]furan-2-carboxamide	
ALFUZOSIN Impurity C	72104-34-8	N-(3-(4-amino-6,7-dimethoxyquinazolin-2-ylamino)propyl)-tetrahydro-N-methylfuran-2-carboxamide	
ALFUZOSIN Impurity E		N-[3-[(4-amino-6,7-dimethoxyquinazolin-2-yl)methylamino]propyl]formamide	

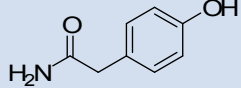
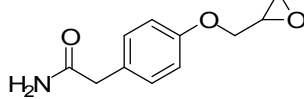
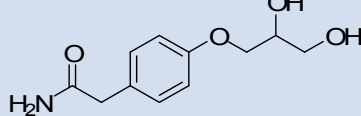
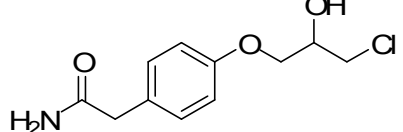
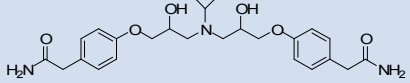
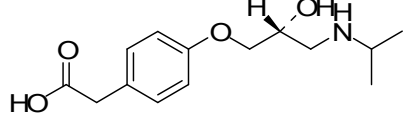
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
AMLODIPINE BESILATE	111470-99-6		
AMLODIPINE Impurity E	140171-65-9	diethyl 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-1,4-dihydro-6-methylpyridine-3,5-dicarboxylate	
AMLODIPINE Impurity F	140171-66-0	dimethyl 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-1,4-dihydro-6-methylpyridine-3,5-dicarboxylate	
AMLODIPINE Impurity G	43067-01-2	dimethyl 4-(2-chlorophenyl)-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate	
AMLODIPINE Impurity H	318465-73-5	2-[[2-[[[(4R)-4-(2-Chlorophenyl)-3-(ethoxycarbonyl)-5-(methoxycarbonyl)-6-methyl-1,4-dihydropyridin-2-yl]methoxy]ethyl]carbonyl]benzoic acid	
AMOXICILLIN TRIHYDRATE	61336-70-7		

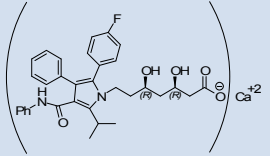
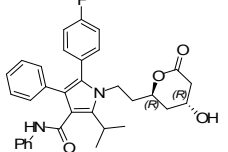
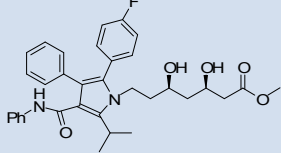
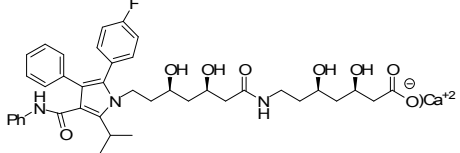
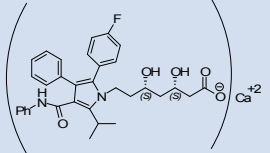
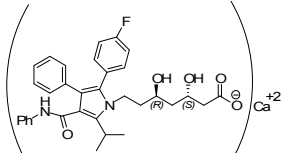
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
AMOXICILLIN Impurity C		4S)-2-[5-(4-Hydroxyphenyl)-3,6-dioxopiperazin-2-yl]-5,5-dimethylthiazolidine-4-carboxylic acid	
AMOXICILLIN Impurity D		(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]amino]carboxymethyl]-5,5-dimethylthiazolidine-4-carboxylic acid	
AMPICILLIN TRIHYDRATE	7177-48-2		
AMPICILLIN Impurity C		(4S)-2-(3,6-dioxo-5-phenylpiperazin-2-yl)-5,5-dimethylthiazolidine-4-carboxylic acid	
AMPICILLIN Impurity D		(4S)-2-[[[(2R)-2-amino-2-phenylacetyl]amino]carboxymethyl]-5,5-dimethylthiazolidine-4-carboxylic acid	
ATENOLOL	29122-68-7	2-(4-((R)-2-hydroxy-3-(isopropylamino)propoxy)phenyl)acetamide	

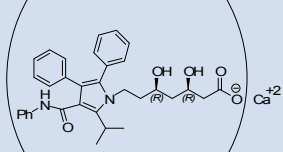
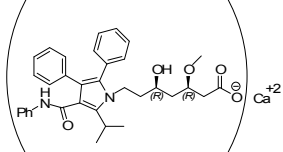
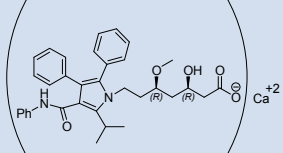
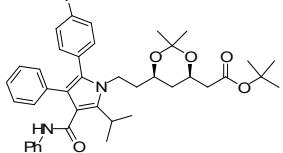
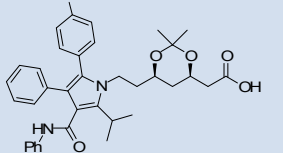
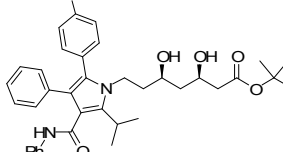
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Atenolol Impurity A		2-(4-hydroxyphenyl)acetamide	
Atenolol Impurity B		2-(4-((oxiran-2-yl)methoxy)phenyl)acetamide	
Atenolol Impurity C		2-(4-(2,3-dihydroxypropoxy)phenyl)acetamide	
Atenolol Impurity D		2-(4-(3-chloro-2-hydroxypropoxy)phenyl)acetamide	
ATENOLOL Impurity F	87619-83-8	2,2-[[1-methylethyl)-iminobis(2-hydroxypropan-3,1-diyloxy-4,1-phenylene)]diacetamide	
ATENOLOL Impurity G	56392-14-4	2-(4-((R)-2-hydroxy-3-(isopropylamino)propoxy)phenyl)acetic acid	

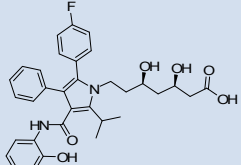
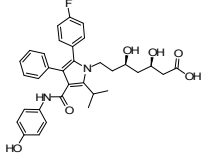
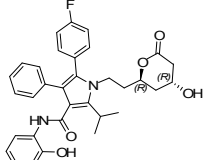
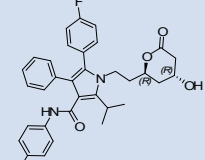
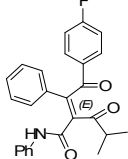
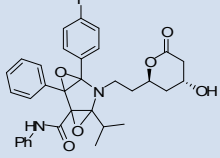
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Atorvastatin WS		(3R,5R)-7-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid	
Atorvastatin Lactone		5-(4-fluorophenyl)-1-(2-((2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl)-2-isopropyl-N,4-diphenyl-1H-pyrrole-3-carboxamide	
Atorvastatin Methyl ester		(3R,5R)-methyl 7-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoate	
Atorvastatin Amide			
Atorvastatin isomer (3S, 5S)		(3S,5S)-7-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid	
Atorvastatin Diastereomer (3S, 5R)		(3S,5R)-7-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid	

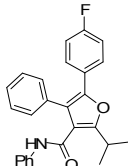
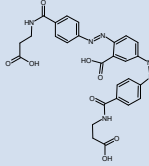
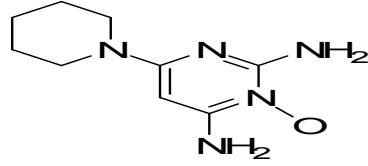
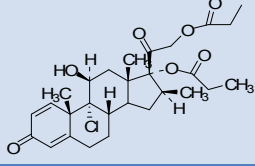
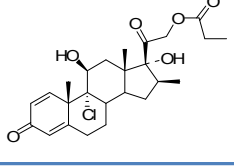
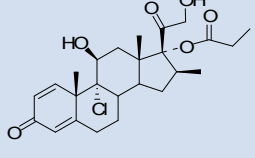
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Desfluoro Atorvastatin		(3R,5R)-7-(3-(phenylcarbamoyl)-2-isopropyl-4,5-diphenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid	
3-O-methyl Atorvastatin		(3R,5R)-7-(3-(phenylcarbamoyl)-2-isopropyl-4,5-diphenyl-1H-pyrrol-1-yl)-5-hydroxy-3-methoxyheptanoic acid	
5-O-methyl Atorvastatin		(3R,5R)-7-(3-(phenylcarbamoyl)-2-isopropyl-4,5-diphenyl-1H-pyrrol-1-yl)-3-hydroxy-5-methoxyheptanoic acid	
Atorvastatin L1		tert-butyl 2-((4R,6R)-6-(2-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)ethyl)-2,2-dimethyl-1,3-dioxan-4-yl)acetate	
Atorvastatin Acetonide		2-((4R,6R)-6-(2-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)ethyl)-2,2-dimethyl-1,3-dioxan-4-yl)acetic acid	
Atorvastatin t-Butyl ester		(3R,5R)-tert-butyl 7-(3-(phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoate	

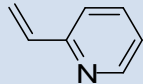
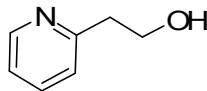
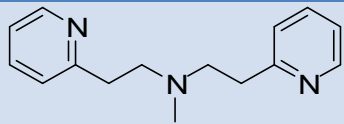
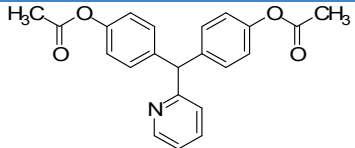
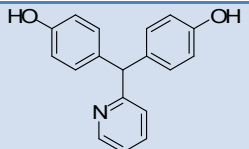
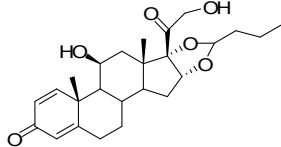
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
O-Hydroxy Atorvastatin		(3R,5R)-7-(3-(2-hydroxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid	
P-Hydroxy Atorvastatin		(3R,5R)-7-(3-(4-hydroxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid	
O-Hydroxy Atorvastatin Lactone		5-(4-fluorophenyl)-1-(2-((2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl)-N-(2-hydroxyphenyl)-2-isopropyl-4-phenyl-1H-pyrrole-3-carboxamide	
P-Hydroxy Atorvastatin Lactone		5-(4-fluorophenyl)-1-(2-((2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl)-N-(4-hydroxyphenyl)-2-isopropyl-4-phenyl-1H-pyrrole-3-carboxamide	
ATS diketoene		(E)-2-(2-(4-fluorophenyl)-2-oxo-1-phenylethylidene)-4-methyl-3-oxo-N-phenylpentanamide	
ATS diepoxide lactone			

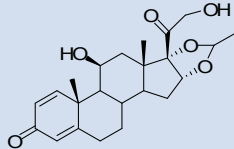
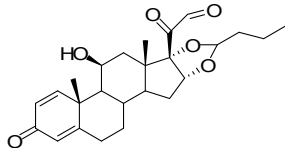
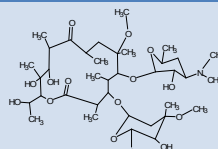
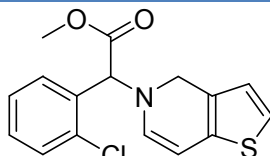
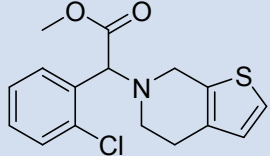
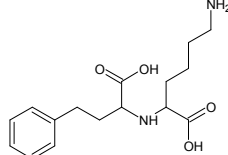
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
ATS impurity		5-(4-fluorophenyl)-2-isopropyl-N,4-diphenylfuran-3-carboxamide	
BALSALAZIDE IMPURITY B			
BALSALAZIDE IMPURITY C			
BECLOMETASONE DIPROPIONATE	5534-09-8		
BECLOMETASONE Impurity A (beclometasone 21-propionate)	69224-79-9	9-chloro-11 beta,17-dihydroxy-16 beta-methyl-3,20-dioxopregna-1,4-dien-21-yl propanoate	
BECLOMETASONE Impurity H (beclometasone 17-propionate)	5534-18-9	9-chloro-11 beta,21-dihydroxy-16 beta-methyl-3,20-dioxopregna-1,4-dien-17-yl propanoate	

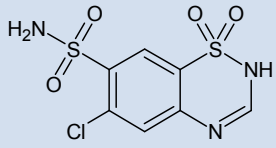
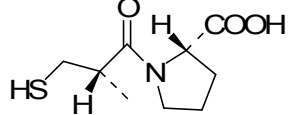
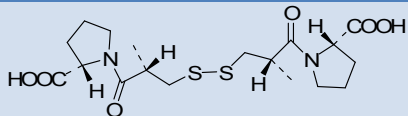
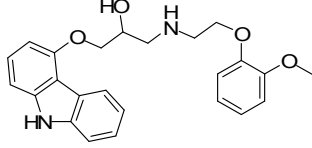
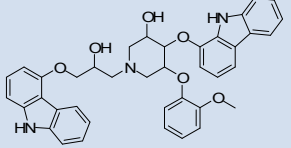
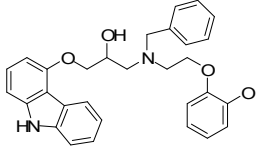
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Betahistine Impurity A		2-vinylpyridine	
Betahistine Impurity B		2-(pyridin-2-yl)ethanol	
Betahistine Impurity C		N-methyl-2-(pyridin-2-yl)-N-(2-(pyridin-2-yl)ethyl)ethanamine	
BISACODYL	603-50-9		
BISACODYL Impurity A	603-41-8	4-((4-hydroxyphenyl)(pyridin-2-yl)methyl)phenol	
BUDESONIDE	51333-22-3		

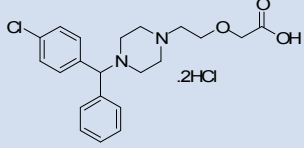
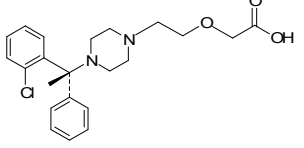
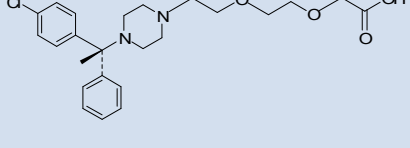
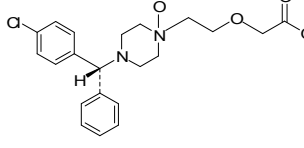
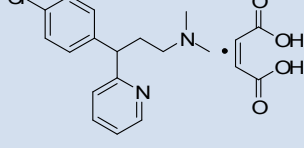
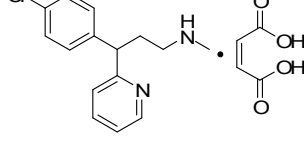
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
BUDESONIDE Impurity B	68293-08-3	16 alpha,17-[(1RS)-ethylidenebis(oxy)]-11 beta,21-dihydroxypregna-1,4-diene-3,20-dione	
BUDESONIDE Impurity D	85234-63-5	16 alpha, 17-[(1RS)-butylidenebis(oxy)]-11 beta-hydroxy-3,20-dioxopregna-1,4-dien-21-al	
14-HYDROXY CLARITHROMYCIN		14-hydroxy clarithromycin	
CLOPIDOGREL IMPURITY-A		methyl (2-chlorophenyl)(thieno[3,2-c]pyridin-5(4H)-yl)acetate	
CLOPIDOGREL IMPURITY-B		methyl (2-chlorophenyl)(4,7-dihydrothieno[2,3-c]pyridin-6(5H)-yl)acetate	
CPP LYSINE		6-amino-2-[(1-carboxy-3-phenylpropyl)amino]hexanoic acid	

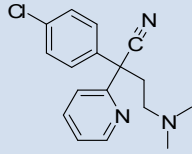
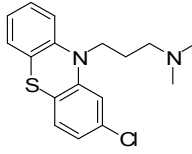
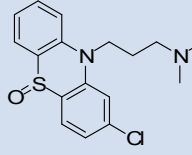
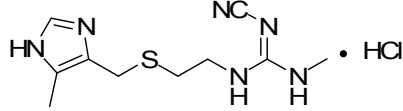
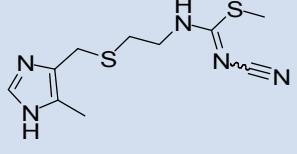
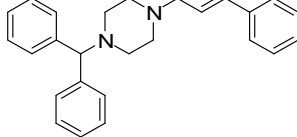
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
HYDROCHLOROTHIAZIDE IMP A(CHLOROTHIAZIDE)			
CAPTOPRIL	62571-86-2		
CAPTOPRIL Impurity A (Captopril disulfide)		(2S,2 s)-1,1-[disulphanediylbis[(2S)-2-methyl_1-oxopropane-3,l]-bis[pyrrolidine-2-carboxylic]acid	
CARVEDILOL	72596-09-3	1-(2-(2-methoxyphenoxy)ethylamino)-3-(9H-carbazol-4-yloxy)propan-2-ol	
CARVEDILOL Impurity B		5-(2-methoxyphenoxy)-4-(9H-carbazol-1-yloxy)-1-(3-(9H-carbazol-4-yloxy)-2-hydroxypropyl)piperidin-3-ol	
CARVEDILOL Impurity C	72955-94-3	1-(9H-carbazol-4-yloxy)-3-(N-(2-(2-methoxyphenoxy)ethyl)-N-benzylamino)propan-2-ol	

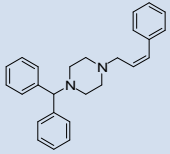
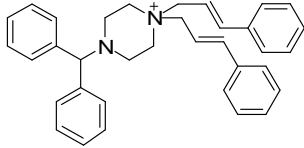
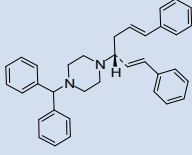
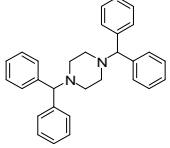
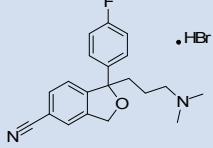
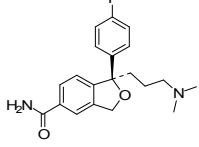
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
CETIRIZINE DIHYDROCHLORIDE	83881-52-1	2-(2-(4-((4-chlorophenyl)(phenyl)methyl)piperazin-1-yl)ethoxy)acetic acid .2HCl	
CETIRIZINE Impurity C		2-(2-(4-((R)-1-(2-chlorophenyl)-1-phenylethyl)piperazin-1-yl)ethoxy)acetic acid	
CETIRIZINE Impurity E		2-(2-(2-(4-((R)-1-(4-chlorophenyl)-1-phenylethyl)piperazin-1-yl)ethoxy)ethoxy)acetic acid	
CETIRIZINE N-OXIDE			
CHLORPHENAMINE MALEATE	113-92-8		
CHLORPHENAMINE Impurity C	22630-25-7	(3RS)-3-(4-chlorophenyl)-N-methyl-3-(pyridin-2-yl)propan-1-amine maleate	

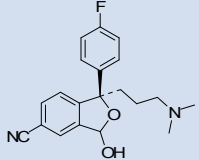
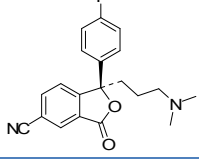
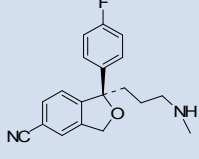
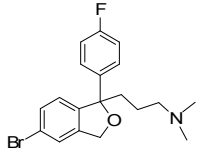
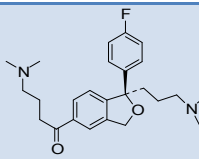
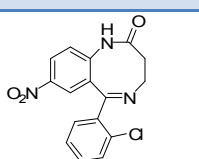
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
CHLORPHENAMINE Impurity D	65676-21-3	2-(4-chlorophenyl)-4-(dimethylamino)-2-(pyridin-2-yl)butanenitrile	
CHLORPROMAZINE HYDROCHLORIDE	69-09-0	3-(2-chloro-10H-phenothiazin-10-yl)-N,N-dimethylpropan-1-amine	
CHLORPROMAZINE Impurity A	969-99-3	3-(2-Chloro-10H-phenothiazin-10-yl)-N,N-dimethylpropan-1-amine S-Oxide	
CIMETIDINE HYDROCHLORIDE	70059-30-2	(Z)-2-((5-methyl-1H-imidazol-4-yl)methylthio)ethyl)-2-cyano-3-methylguanidine hydrochloride	
CIMETIDINE Impurity A	52378-40-2	1-(2-((5-methyl-1H-imidazol-4-yl)methylthio)ethyl)-3-cyano-2-methylisothiourea	
CINNARIZINE	298-57-7	1-benzhydryl-4-cinnamylpiperazine	

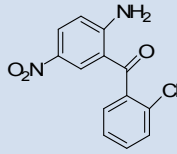
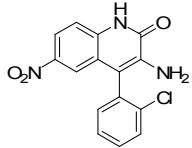
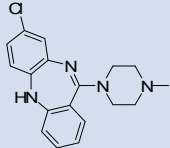
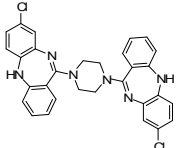
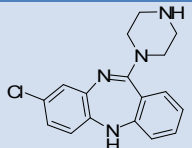
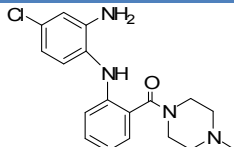
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
CINNARIZINE Impurity B	750512-44-8	(Z)-1-(Diphenylmethyl)-4-(3-phenylprop-2-enyl)piperazine	
CINNARIZINE Impurity C		(4-(Diphenylmethyl)-1,1-bis[(E)-3-phenylprop-2-enyl]piperazinium Chloride	 Cl⁻
CINNARIZINE Impurity D		1-(Diphenylmethyl)-4-[(1R,3E)-4-phenyl-1-[(E)-2-phenylethenyl]but-3-enyl]-piperazine	
CINNARIZINE Impurity E	216581-01-0	1,4-Bis(diphenylmethyl)piperazine	
CITALOPRAM HYDROBROMIDE	59729-32-7	1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile hydrobromide	 ·HBr
CITALOPRAM IMPURITY A		(R)-1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carboxamide	

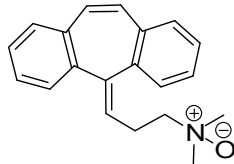
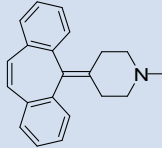
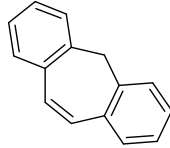
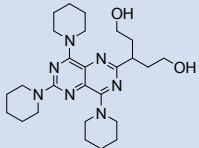
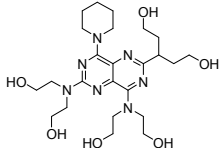
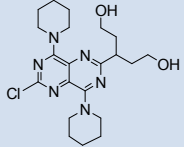
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
CITALOPRAM IMPURITY B		(1R)-1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydro-3-hydroxyisobenzofuran-5-carbonitrile	
CITALOPRAM IMPURITY C		(R)-1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydro-3-oxoisobenzofuran-5-carbonitrile	
CITALOPRAM IMPURITY D		(R)-1-(4-fluorophenyl)-1,3-dihydro-1-(3-(methylamino)propyl)isobenzofuran-5-carbonitrile	
CITALOPRAM IMPURITY F		3-(5-bromo-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-1-yl)-N,N-dimethylpropan-1-amine	
CITALOPRAM IMPURITY G		4-(dimethylamino)-1-((R)-1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-yl)butan-1-one	
CLONAZEPAM	1622-61-3	(E)-6-(2-chlorophenyl)-3,4-dihydro-8-nitrobenzo[b][1,5]diazocin-2(1H)-one	

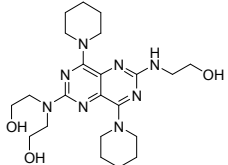
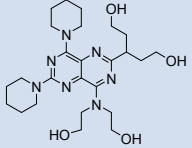
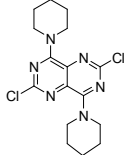
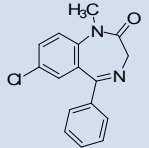
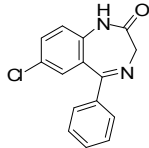
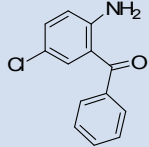
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
CLONAZEPAM IMPURITY A		(2-amino-5-nitrophenyl)(2-chlorophenyl)methanone	
Clonazepam Impurity B		3-amino-4-(2-chlorophenyl)-6-nitroquinolin-2(1H)-one	
Clozapine	5786-21-0		
Clozapine Impurity B	263366-81-0	11,11-(Piperazine-1,4-diyl)bis(8-chloro-5Hdibenzo b,e 1,4-diazepine	
Clozapine Impurity C	6104-71-8	8-Chloro-11-(Piperazin-1-yl)-5H-dibenzo b,e 1,4 diazepine	
Clozapine Impurity D	65514-71-8	(2-(2-amino-4-chlorophenylamino)phenyl)(4-methylpiperazin-1-yl)methanone	

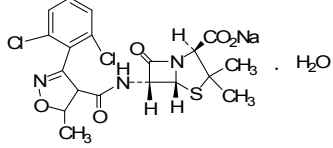
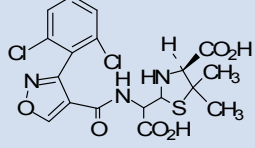
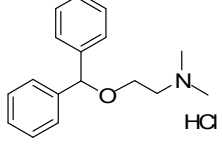
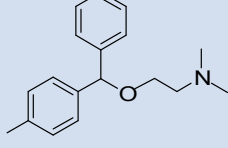
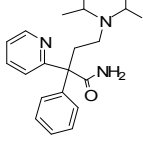
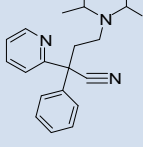
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Cyclobenzaprine n-oxide			
Cyproheptadine Hydrochloride	963-35-5		
Cyproheptadine Impurity A	256-81-5	Dibenzo a,d cycloheptene	
Dipyramidole Impurity A		2-[(2-Hydroxy-ethyl)-(4,6,8-tri-piperidin-1-yl-pyrimido[5,4-d]-amino)-ethyl]-ethanol	
Dipyramidole Impurity B		2-[[4,6-Bis-[bis-(2-hydroxy-ethyl)-amino]-8-piperidin-1-yl-pyrimido[5,4-d]pyrimidin-2-yl]-2-yl]-2-yl-(2-hydroxy-ethyl)-amino]-ethanol	
Dipyramidole Impurity C		2-[(6-Chloro-4,8-di-piperidin-1-yl-pyrimido[5,4-d]pyrimidin-2-yl)-(2-hydroxy-ethyl)-amino]-ethanol	

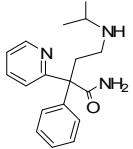
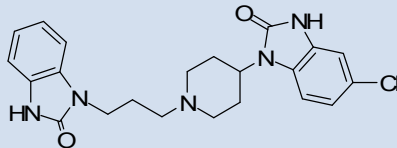
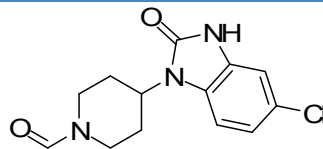
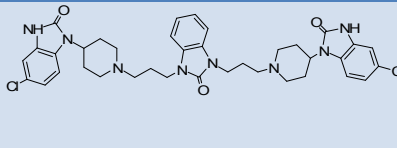
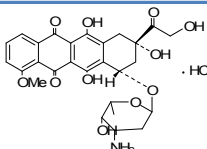
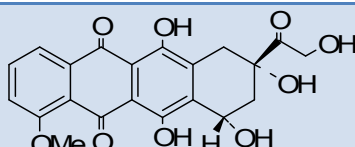
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Dipyrimidole Impurity D		2-[(2-Hydroxy-ethyl)-[6-(2-hydroxy-ethylamino)-4,8-di-piperidin-1-yl-pyrimido[5,4-d]pyrimidin-2-yl]-amino]-ethanol	
Dipyrimidole Impurity E		2-[[2-[Bis-(2-hydroxy-ethyl)-amino]-6,8-di-piperidin-1-yl-pyrimido[5,4-d]pyrimidin-4-yl]- (2-hydroxy-ethyl)-amino]-ethanol	
Dipyrimidole Impurity G		G 2,6-dichloro-4,8-dipiperidin-1-ylpyrimido[5,4-d]pyrimidine	
Diazepam	439-14-5	(Z)-7-chloro-1-methyl-5-phenyl-1H-benzo[e][1,4]diazepin-2(3H)-one	
Diazepam Impurity A		(Z)-7-chloro-5-phenyl-1H-benzo[e][1,4]diazepin-2(3H)-one	
Diazepam Impurity A (USP)		(2-amino-5-chlorophenyl)(phenyl)methanone	

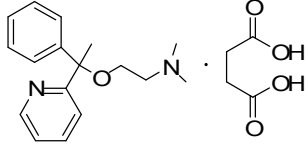
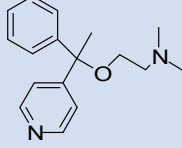
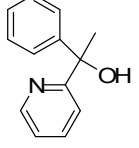
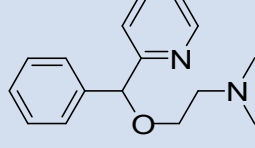
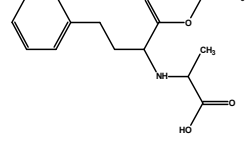
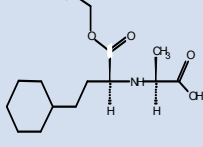
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Dicloxacillin Sodium	13412-64-1		
Dicloxacillin Impurity A		(4S)-2-((3-(2,6-dichlorophenyl)isoxazole-4-carboxamido)(carboxymethyl)-5,5-dimethylthiazolidine-4-carboxylic acid	
Diphenhydramine Hydrochloride	147-24-0		
Diphenhydramine Impurity A	4024-34-4	N,N-dimethyl-2-(phenyl(p-tolyl)methoxy)ethanamine	
Disopyramide	3737-09-05	4-(diisopropylamino)-2-phenyl-2-(pyridin-2-yl)butanamide	
Disopyramide Impurity A	5005-46-9	4-(diisopropylamino)-2-phenyl-2-(pyridin-2-yl)butanenitrile	

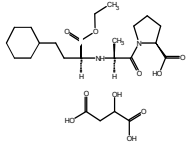
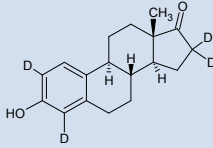
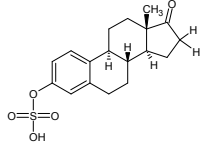
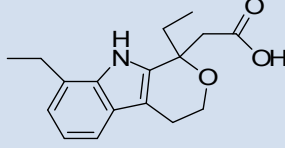
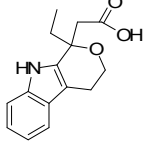
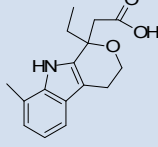
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Disopyramide Impurity C	38236-46-3	4-(isopropylamino)-2-phenyl-2-(pyridin-2-yl)butanamide	
Domperidone	57808-66-9	5-chloro-1-(1-(3-(1,2-dihydro-2-oxobenzo[d]imidazol-3-yl)propyl)piperidin-4-yl)-1H-benzo[d]imidazol-2(3H)-one	
Domperidone Impurity B		4-(6-chloro-1,2-dihydro-2-oxobenzo[d]imidazol-3-yl)piperidine-1-carbaldehyde	
Domperidone Impurity F		1,3-bis(3-(4-(6-chloro-1,2-dihydro-2-oxobenzo[d]imidazol-3-yl)piperidin-1-yl)propyl)-1H-benzo[d]imidazol-2(3H)-one	
Doxorubicin Hydrochloride	25316-40-9		
Doxorubicin Impurity D		(8S,10S)-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-8-(2-hydroxyacetyl)-1-methoxytetracene-5,12-dione	

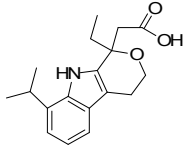
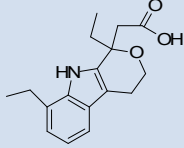
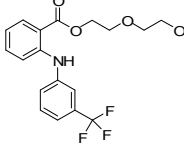
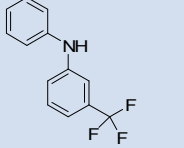
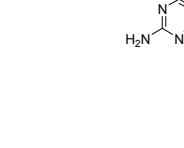
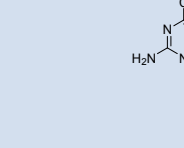
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Doxylamine Succinate			
Doxylamine Impurity A		2-(1-phenyl-1-(pyridin-4-yl)ethoxy)-N,N-dimethylethanamine	
Doxylamine Impurity B	19490-92-7	1-phenyl-1-(pyridin-2-yl)ethanol	
Doxylamine Impurity C		N,N-dimethyl-2-(phenyl(pyridin-2-yl)methoxy)ethanamine	
ECPPA-RR Isomer		N-[1-(R)-Ethoxy carbonyl-3-phenyl propyl]- (R)-Alanine	
		ECPPA-cyclo hexyl analogue N-[1-(S)-Ethoxy carbonyl-3-cyclohexyl propyl]- (S)-Alanine	

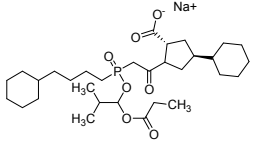
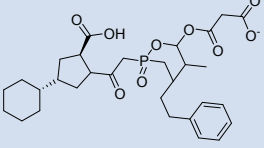
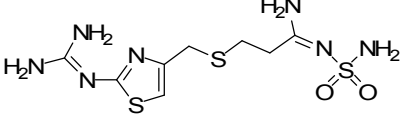
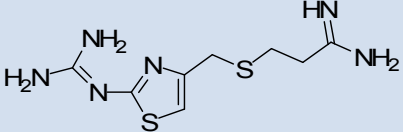
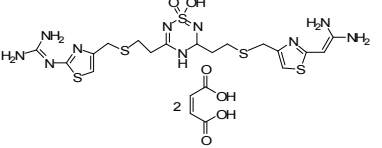
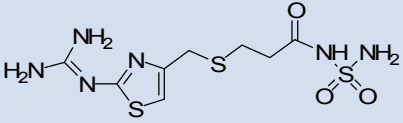
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
		Enalapril related compound Enalapril Maleate cyclohexyl analogue S)-1-[N-[1-Ethoxy carbonyl-3-cyclohexyl propyl]-L-Alaninyl]-L-proline. (Z)-2-	
Estrone Sulphate D4			
Estrone Sulphate			
ETODOLAC	41340-25-4	2-(1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetic acid	
ETODOLAC Impurity A	41339-67-7	2-(1-ethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetic acid	
ETODOLAC Impurity B	41340-19-6	2-(1-ethyl-1,3,4,9-tetrahydro-8-methylpyrano[3,4-b]indol-1-yl)acetic acid	

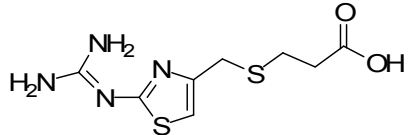
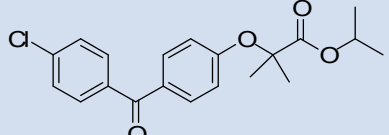
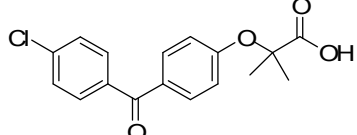
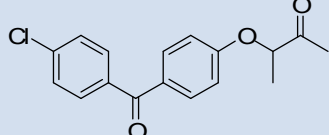
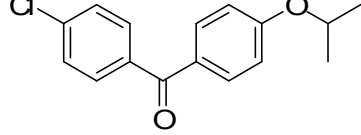
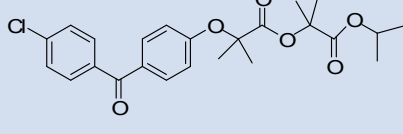
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
ETODOLAC Impurity D	57917-63-2	2-(1-ethyl-1,3,4,9-tetrahydro-8-isopropylpyrano[3,4-b]indol-1-yl)acetic acid	
ETODOLAC ImpurityK	122188-02-7	2-(1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetic acid	
ETOFENAMATE	30544-47-9	2-(2-hydroxyethoxy)ethyl 2-(3-(trifluoromethyl)phenylamino)benzoate	
ETOFENAMATE Impurity C	101-23-5	3-(trifluoromethyl)-N-phenylbenzenamine	
Famciclovir A		[4-(2-amino-9H-purin-9-yl)-2-(hydroxymethyl)butyl acetate]	
Famciclovir B		[4-(2-amino-6-chloro-9H-purin-9-yl)butyl acetate]	

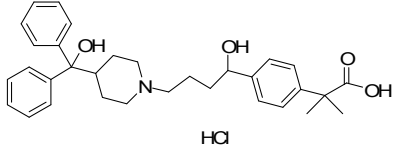
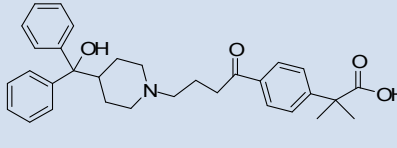
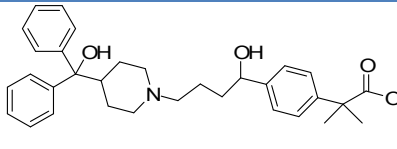
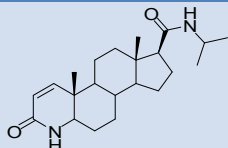
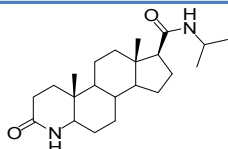
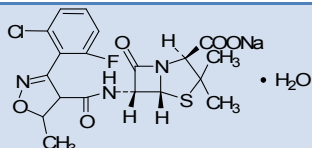
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Fosinopril cyclohexyl analogue		L-proline, 4-cyclohexyl-1-[[[2-methyl-1-(1-oxopropoxy) propoxy](4-cyclohexyl butyl)phosphonyl]acetyl]-sodium salt	
Fosinoprilate			
FAMOTIDINE	76824-35-6	2-(4-(((E)-2-amidinoethylthio)methyl)thiazol-2-yl)guanidine	
FAMOTIDINE Impurity A		2-(4-((2-amidinoethylthio)methyl)thiazol-2-yl)guanidine	
FAMOTIDINE Impurity B	109467-08-5	3,5-Bis[2-[[[2-[(diaminomethylene)amino]thiazol-4-yl]methyl]sulphonyl]-4H-1,2,4,6-	
FAMOTIDINE Impurity C		3-[[[2-(diaminomethylene)amino]thiazol-4-yl]methyl]sulphonyl]-N-sulphamoylpropanamide	

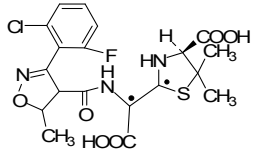
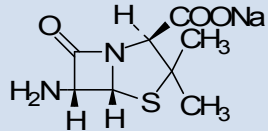
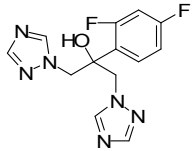
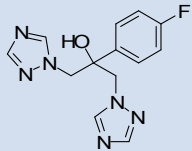
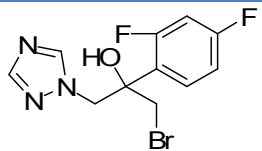
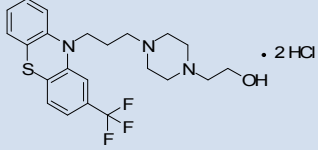
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
FAMOTIDINE Impurity F		3-[[[2-(diaminomethylene)amino]thiazol-4-yl]methyl]sulphonyl]propanoic acid	
FENOFIBRATE	49562-28-9		
FENOFIBRATE Impurity B	42017-89-0	2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoic acid(Fenofibric acid)	
FENOFIBRATE Impurity C	217636-47-0	(3RS)-3-[4-(4-chlorobenzoyl)phenoxy]butan-2-one	
FENOFIBRATE Impurity F	154356-96-4	(4-chlorophenyl)(4-isopropoxyphenyl)methanone	
FENOFIBRATE Impurity G	217636-48-1	1-Methylethyl 2-[[2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoyl]oxy]-2-methylpropanoate	

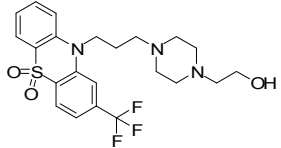
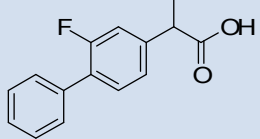
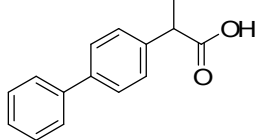
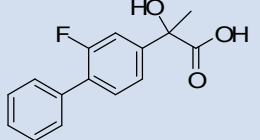
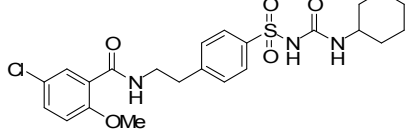
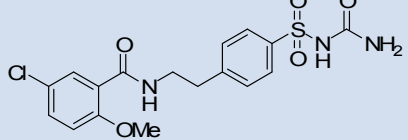
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
FEXOFENADINE HYDROCHLORIDE	153439-40-8	2-(4-(1-hydroxy-4-(4-(hydroxydiphenylmethyl)piperidin-1-yl)butyl)phenyl)-2-methylpropanoic acid	
FEXOFENADINE Impurity A	76811-98-8	2-(4-(4-(4-(hydroxydiphenylmethyl)piperidin-1-yl)butanoyl)phenyl)-2-methylpropanoic acid	
FEXOFENADINE Impurity D	154825-96-4	methyl 2-(4-(1-hydroxy-4-(4-(hydroxydiphenylmethyl)piperidin-1-yl)butyl)phenyl)-2-methylpropanoate	
FINASTERIDE	98319-26-7	(4aR,6aS,7S)-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-N-isopropyl-4a,6a-dimethyl-2-oxo-1H-indeno[5,4-f]quinoline-7-carboxamide	
FINASTERIDE Impurity A	98319-24-5	(4aR,6aS,7S)-hexadecahydro-N-isopropyl-4a,6a-dimethyl-2-oxo-1H-indeno[5,4-f]quinoline-7-carboxamide	
FLUCLOXACILLIN SODIUM	1847-24-1		

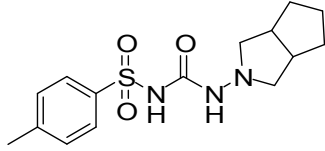
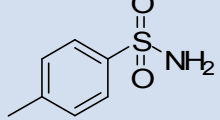
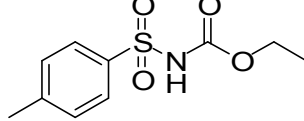
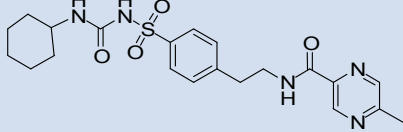
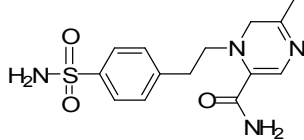
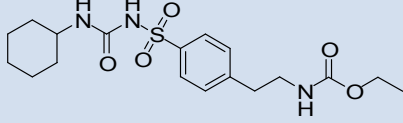
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
FLUCLOXACILLIN Impurity A		[3-(2-chloro-6-fluorophenyl)-5-methylisoxazol-4-yl carbonyl]amino]methyl]-5,5-dimethyl;thioazolidine-4-carboxylic acid(penicilloic acids of flucloxacillin	
FLUCLOXACILLIN Impurity C		sodium (2S,5R,6R)-6-amino-3,3-dimethyl-7-oxo-4-thia-1-aza-bicyclo[3.2.0]heptane-2-carboxylate	
FLUCONAZOLE	86386-73-4	2-(2,4-difluorophenyl)-1,3-di(1H-1,2,4-triazol-1-yl)propan-2-ol	
FLUCONAZOLE Impurity D	81886-51-3	2-(4-fluorophenyl)-1,3-di(1H-1,2,4-triazol-1-yl)propan-2-ol	
FLUCONAZOLE Impurity H	150194-52-8	1-bromo-2-(2,4-difluorophenyl)-3-(1H-1,2,4-triazol-1-yl)propan-2-ol	
FLUPHENAZINE DIHYDROCHLORIDE	146-56-5	2-(4-(3-(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propyl)piperazin-1-yl)ethanol dihydrochloride	

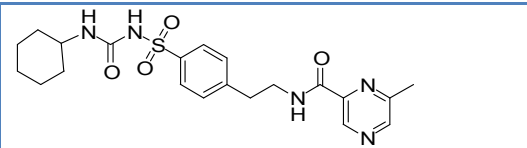
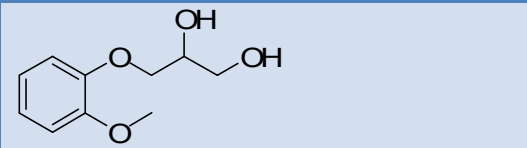
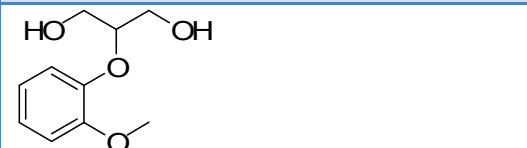
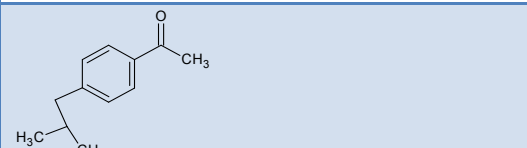
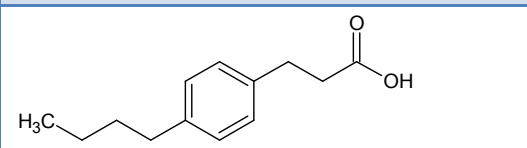
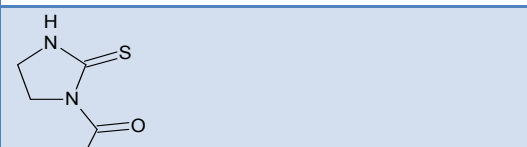
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
FLUPHENAZINE Impurity B	1476-79-5	2-[4-[3-[5,5-dioxo-2-(trifluoromethyl)-10H-56-phenothiazin-10-yl]propyl]piperazin-1-yl]ethanol (fluphenazine S,S-dioxide)	
FLURBIPROFEN	5104-49-4		
FLURBIPROFEN Impurity A	6341-72-6	(2RS)-2-(biphenyl-4-yl)propanoic acid	
FLURBIPROFEN Impurity C	61466-95-3	(2RS)-2-(2-fluorobiphenyl-4-yl)-2-hydroxypropanoic acid	
Glibenclamide	10238-21-8		
Glibenclamide Impurity A		5-chloro-2-methoxy-N-[2(4-sulphamoylphenyl)ethyl]benzamide	

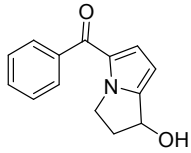
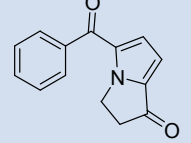
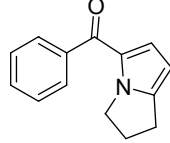
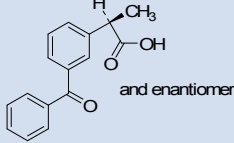
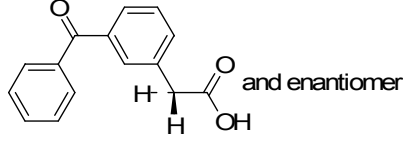
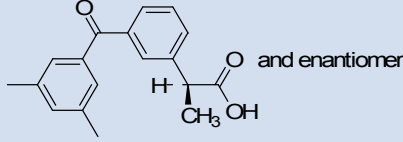
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
GLICLAZIDE	21187-98-4		
GLICLAZIDE Impurity A		4-methylbenzenesulphonamide	
GLICLAZIDE Impurity C	5577-13-9	Ethyl [(4-Methylphenyl)sulphonyl]-carbamate	
Glipizide	29094-61-9		
Glipizide Impurity A	33288-71-0	5-methyl-N-[2-(4-sulphamoyl-phenyl)ethyl]pyrazine-2-carboxamide	
Glipizide impurity C	13554-93-3	Ethyl [2-[4-[(cyclohexylcarbamoyl)-sulphamoyl]phenyl]ethyl]carbamate	

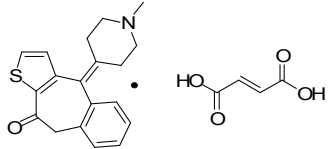
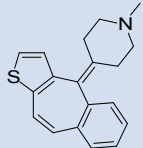
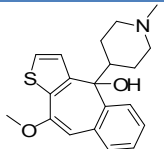
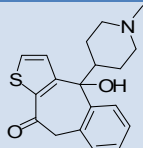
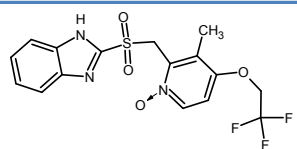
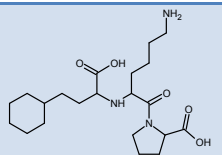
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Glipizide impurity E	66375-96-0	1-cyclohexyl-3-[[4-[2-[[[6-methylpyrazin-2-yl)carbonyl]amino]ethyl]phenyl]sulphonyl] urea	
GUAIFENESIN	93-14-1		
GUAIFENESIN Impurity B	14007-09-01	2-(2-methoxyphenoxy)propane-1,3-diol (B-isomer)	
Ibuprofen related compound C		4-Isobutylphenylacetophenone	
Ibuprofen Imp F.		3-[4-(n butyl) phenyl] propionic Acid	
N- Acetyl imidazolidine-2-thione		N- Acetyl imidazolidine-2-thione	

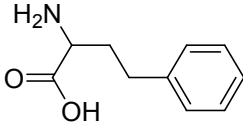
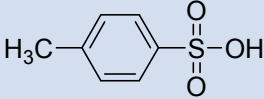
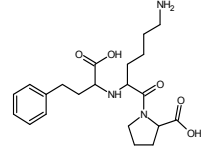
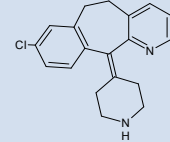
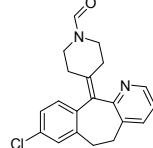
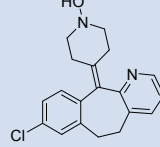
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Ketolac Impurity A		(1-hydroxy-2,3-dihydro-1H-pyrrolizin-5-yl)(phenyl)methanone	
Ketolac Impurity B		5-(phenylcarbonyl)-2,3-dihydro-1H-pyrrolizin-1-one	
Ketolac Impurity I		2,3-dihydro-1H-pyrrolizin-5-yl(phenyl)methanone	
Ketoprofen	22071-15-4		
Ketoprofen Impurity B	22071-22-3	(3-benzoylphenyl)acetic acid	
Ketoprofen Impurity J		(2RS)-2-[3-(2,4-dimethylbenzoyl)phenyl]propanoic acid	

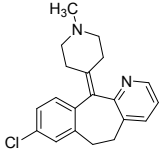
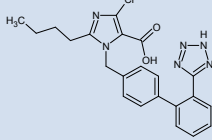
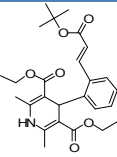
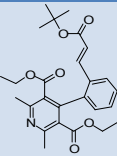
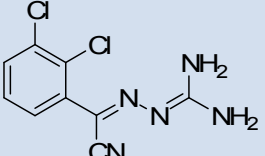
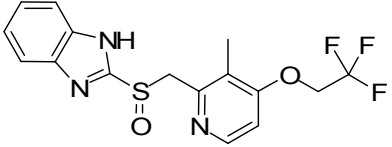
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Ketotifen Fumarate	34580-14-8		
Ketotifen Impurity A	4673-38-5	4-(4H-benzo[4,5]cyclohepta-[1,2-b]thiophen-4-ylidene)-1-methylpiperidine	
Ketotifen Impurity B	59743-88-3	(4RS)-10-methoxy-4-(1-methylpiperidin-4-yl)-4H-benzo[4,5]-cyclohepta[1,2-b]thiophen-4-ol	
Ketotifen Impurity C	59743-88-3	(4RS)-4-hydroxy-4-(1-methyl-piperidin-4-yl)-4,9-dihydro-10H-benzo[4,5]-cyclohepta[1,2-b]thiophen-10-one	
Lansoprazole Sulfone N-Oxide			
Lisinopril cyclohexyl analogue			

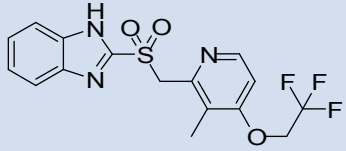
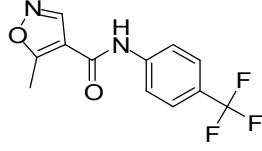
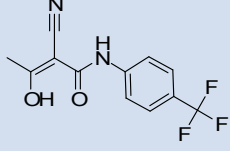
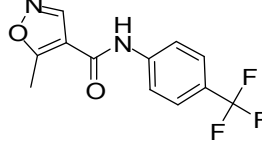
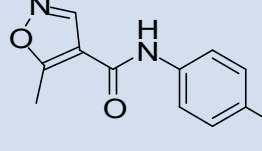
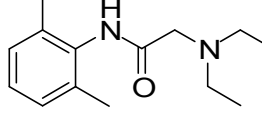
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Lisinopril Impurity A		2-amino-4-phenylbutanoic acid	
Lisinopril Impurity B		4-methylbenzenesulfonic acid	
Lisinopril RS			
Loratadine related compound Desloratidine		8-Chloro-6,11-dihydro-11(4-piperidinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine	
Desloratidine Impurity A		4-(8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidine-1-carbaldehyde	
N-Hydroxy Desloratidine		4-(8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidin-1-ol	

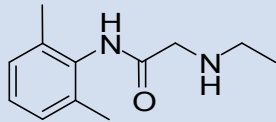
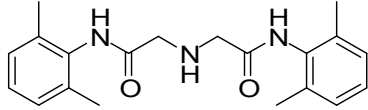
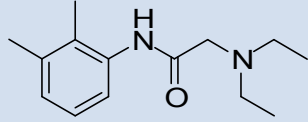
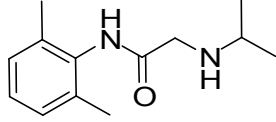
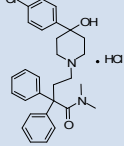
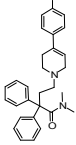
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Loratadine Related com B		8-chloro-11-(1-methylpiperidin-4-ylidene)-6,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridine	
Lorsartan Carboxylic Acid			
Lacidipine	103890-78-4		
Lacidipine Impurity B	130996-24-6	Diethyl (E)-4-{2-[2-(tert-butoxycarbonyl)vinyl]phenyl}-2,6-dimethylpyridine-3,5- dicarboxylate	
LAmotrigene Impurity B		2-((2,3-dichlorophenyl)(cyano)methyleneamino)guanidine	
Lansoprazole	103577-45-3		

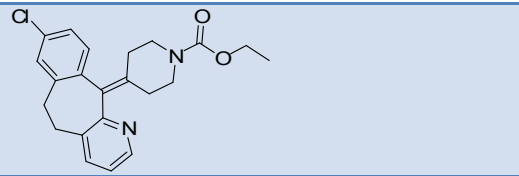
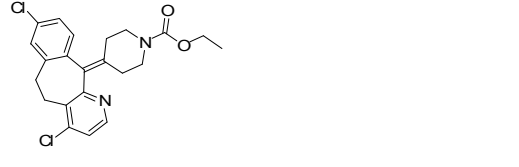
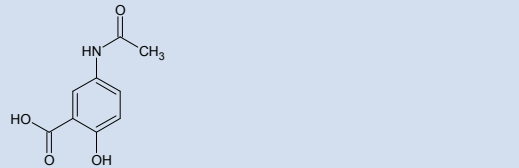
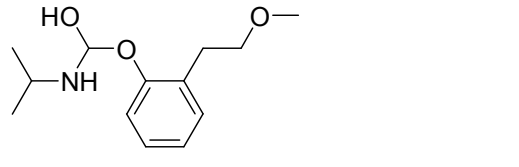
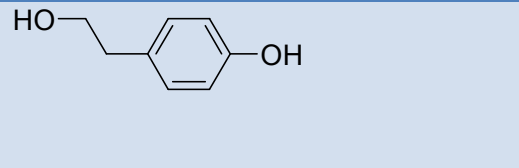
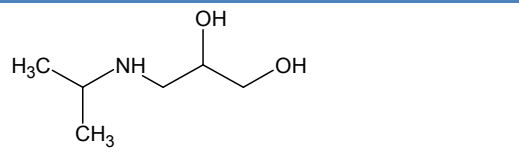
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Lansoprazole Impurity B	131926-99-3	Lansoprazole Sulfone	
Leflunomide	75706-12-6	N-(4-(trifluoromethyl)phenyl)-5-methylisoxazole-4-carboxamide	
Leflunomide Impurity B	163451-81-8	(2Z)-2-cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]but-2-enamide (Teriflunomide)	
Leflunomide Impurity C	61643-23-0	N-(4-(trifluoromethyl)phenyl)-5-methylisoxazole-4-carboxamide	
Leflunomide Impurity G	724429-16-7	5-methyl-N-(4-methylphenyl)isoxazole-4-carboxamide	
Lidocaine Hydrochloride	6108-05-0	2-(diethylamino)-N-(2,6-dimethylphenyl)acetamide	 <ul style="list-style-type: none"> • HCl • H₂O

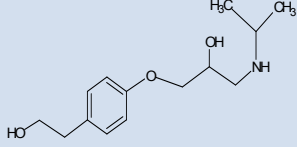
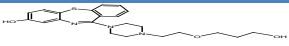
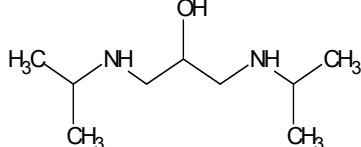
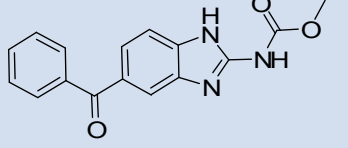
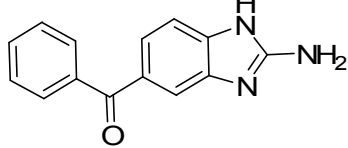
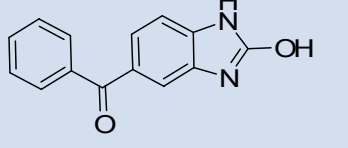
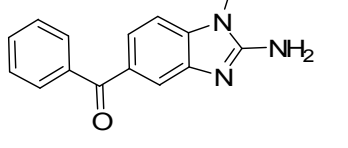
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Lidocaine Impurity D	7729-94-4	N-(2,6-dimethylphenyl)-2-(ethylamino)acetamide	
Lidocaine Impurity E	745798-07-6 free base	2,2'-(azanediyl)bis(N-(2,6-dimethylphenyl)acetamide	
Lidocaine Impurity F	857170-72-0	2-(Diethylamino)-N-(2,3-dimethylphenyl)acetamide	
Lidocaine Impurity G	35891-87-3	N-(2,6-dimethylphenyl)-2-[(1-methylethyl)amino]acetamide	
Loperamide Hydrochloride	34552-83-5		
Loperamide Impurity H	61299-42-1	4-[4-(4-chlorophenyl)-3,6-dihydropyridin-1(2H)-yl]-N,N-dimethyl-2,2-diphenylbutanamide	

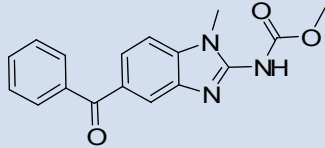
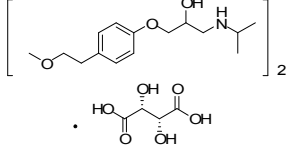
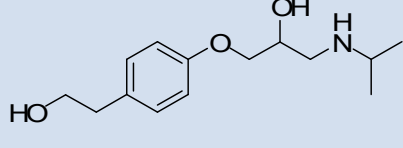
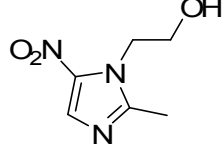
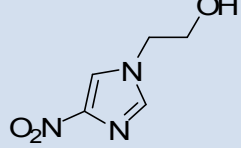
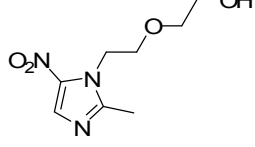
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Loratadine	79794-75-5		
Loratadine Impurity C	165739-83-3	ethyl 4-(4,8-dichloro-5,6-dihydro-11H - benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidine-1-carboxylate	
Mesalamine N-acetyl		5-(acetylamino)-2-hydroxybenzoic acid	
Metoprolol impurity-E		[2-(2-methoxyethyl)phenoxy][(1-methylethyl)amino]methanol	
Metoprolol impurity-G		4-(2-hydroxyethyl)phenol	
Metoprolol impurity-N		3-[(1-methylethyl)amino]propane-1,2-diol	

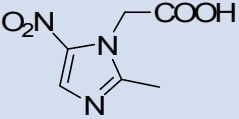
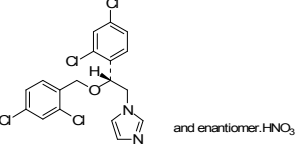
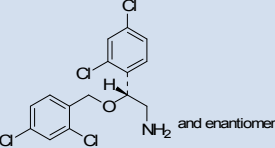
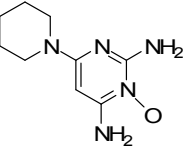
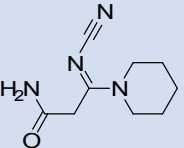
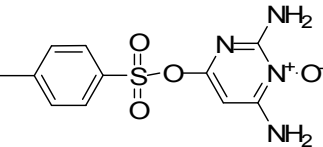
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Metoprolol impurity-H		1-[4-(2-hydroxyethyl)phenoxy]-3-[(1-methylethyl)amino]propan-2-ol	
		1,3-bis[(1-methylethyl)amino]propan-2-ol	
Mebendazole	31431-39-7	(2-amino-1H-benzimidazol-5-yl)phenylmethanone	
Mebendazole Impurity A	52329-60-9	(2-amino-1H-benzimidazol-5-yl)phenylmethanone	
Mebendazole Impurity B	21472-33-3	(2-hydroxy-1H-benzo[d]imidazol-5-yl)(phenyl)methanone	
Mebendazole Impurity C	66066-76-0	(2-amino-1-methyl-1H-benzo[d]imidazol-5-yl)(phenyl)methanone	

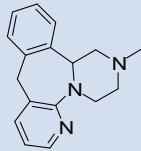
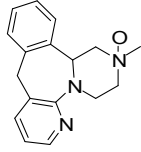
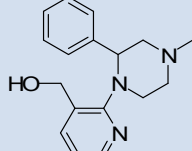
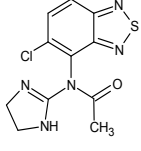
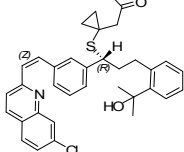
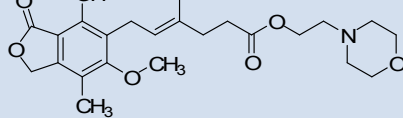
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Mebendazole Impurity D	132119-11-0	Methyl (5-benzoyl-1-methyl-1H - benzimidazol-2- yl)carbamate	
METOPROLOL TARTRATE	56392-17-7		
METOPROLOL TARTRATE	62572-94-5	1-(4-(2-hydroxyethyl)phenoxy)-3-(isopropylamino)propan-2-ol	
METRONIDAZOLE	443-48-1	2-(2-methyl-5-nitro-1H-imidazol-1-yl)ethanol	
METRONIDAZOLE Impurity C	5006-69-9	2-(4-nitro-1H-imidazol-1-yl)ethanol	
METRONIDAZOLE Impurity F	16156-94-8	2-(2-(2-methyl-5-nitro-1H-imidazol-1-yl)ethoxy)ethanol	

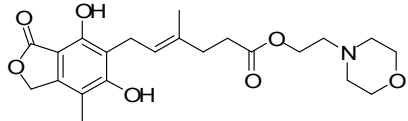
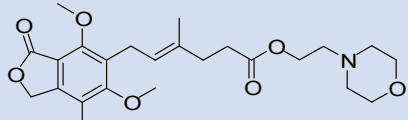
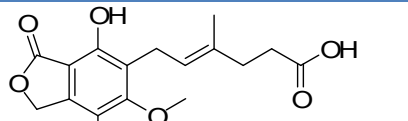
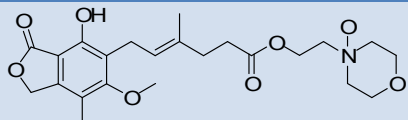
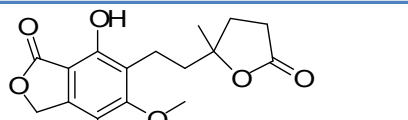
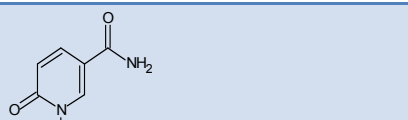
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
METRONIDAZOLE Impurity G	1010-93-1	2-(2-methyl-5-nitro-1H-imidazol-1-yl)acetic acid	
MICONAZOLE NITRATE	22832-87-7	1-((R)-2-(2,4-dichlorobenzoyloxy)-2-(2,4-dichlorophenyl)ethyl)-1H-imidazole	 <p>and enantiomer.HNO₃</p>
MICONAZOLE Impurity C		(R)-2-(2,4-dichlorobenzoyloxy)-2-(2,4-dichlorophenyl)ethanamine	 <p>and enantiomer</p>
MINOXIDIL	38304-91-5		
MINOXIDIL Impurity C		3-(cyanoimino)-3-(piperidin-1-yl)propanamide	
MINOXIDIL Impurity D	75105-16-7	6-[[[(4-methylphenyl)sulphonyl]oxy]pyrimidine-2,4-diamine 3-oxide	

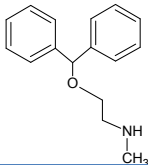
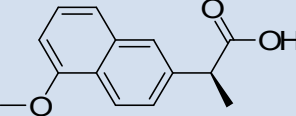
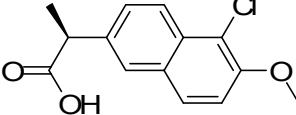
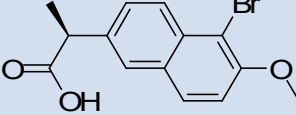
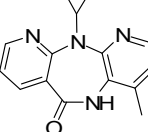
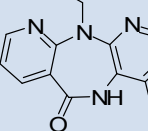
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
MIRTAZAPINE	85650-52-8		
MIRTAZAPINE Impurity A	155172-12-6	(14bRS)-2-methyl-1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine2-Oxide	
MIRTAZAPINE Impurity B	61337-89-1	(2-(4-methyl-2-phenylpiperazin-1-yl)pyridin-3-yl)methanol	
MIRTAZAPINE Impurity D	61337-68-6	(14bRS)-1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine	
Monteleukast Z-isomer		2-(1-(((R)-1-(3-((Z)-2-(7-chloroquinolin-2-yl)vinyl)phenyl)-3-(2-(2-hydroxypropan-2-yl)phenyl)propyl)sulfanyl)cyclopropyl)acetic acid	
MYCOPHENOLATE MOFETIL		(E)-2-morpholinoethyl 6-(1,3-dihydro-7-hydroxy-5-methoxy-4-methyl-1-oxoisobenzofuran-6-yl)-4-methylhex-4-enoate	

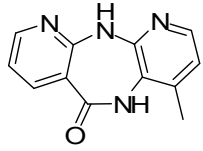
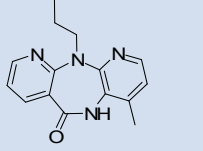
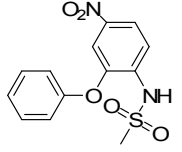
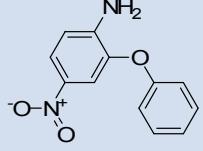
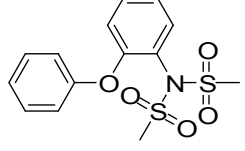
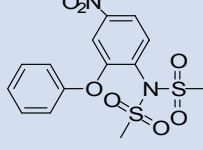
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
MYCOPHENOLATE MOFETIL Impurity A		(E)-2-morpholinoethyl 6-(1,3-dihydro-5,7-dihydroxy-4-methyl-1-oxoisobenzofuran-6-yl)-4-methylhex-4-enoate	
MYCOPHENOLATE MOFETIL Impurity D		(E)-2-morpholinoethyl 6-(1,3-dihydro-5,7-dimethoxy-4-methyl-1-oxoisobenzofuran-6-yl)-4-methylhex-4-enoate	
MYCOPHENOLATE MOFETIL Impurity F	24280-93-1	(4E)-6-(4-hydroxy-6-methoxy-7-methyl-3-oxo-1,3-dihydroisobenzofuran-5-yl)-4-methylhex-4-enoic acid (mycophenolic acid)	
MYCOPHENOLATE MOFETIL Impurity G	224052-51-1	2-(morpholin-4-yl)ethyl (4E)-6-(4-hydroxy-6-methoxy-7-methyl-3-oxo-1,3-dihydroisobenzofuran-5-yl)-4-methylhex-4-enoate N-oxide	
MYCOPHENOLATE MOFETIL Impurity H	26675-76-3	7-hydroxy-5-methoxy-4-methyl-6-[2-[(2RS)-2-methyl-5-oxotetrahydrofuran-2-yl]ethyl]isobenzofuran-1(3H)-one	
Niacin metabolite		N-methyl-2-pyridone-5-carboxamide	

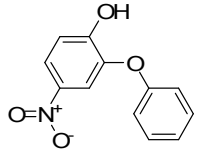
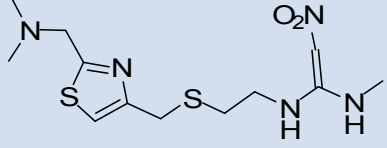
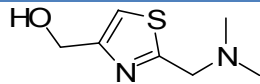
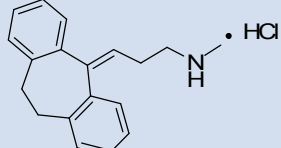
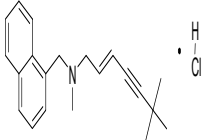
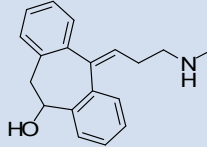
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Nordiphenhydramine		2-(diphenylmethoxy)-N-methylethanamine	
Naproxen	22204-53-1		
Naproxen Impurity B	89617-86-7	(2S)-2-(5-Chloro-6-methoxynaphthalen-2-yl)propanoic acid	
Naproxen Impurity C	84236-26-0	(2S)-2-(5-Bromo-6-methoxynaphthalen-2-yl)propanoic acid	
NEVIRAPINE	129618-40-2		
NEVIRAPINE Impurity A	133627-17-5	11-ethyl-methyl-5,11-dihydro-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one	

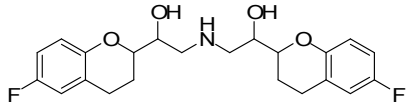
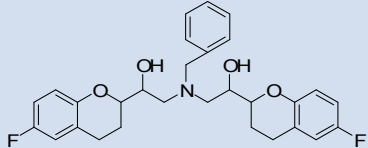
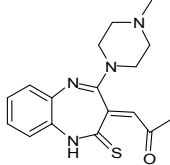
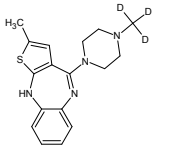
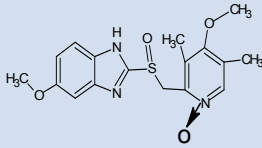
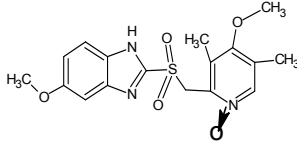
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
NEVIRAPINE Impurity B	287980-84-1	4-methyl-5,11-dihydro-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one	
NEVIRAPINE Impurity C	287980-85-2	4-methyl-11-propyl-5, 11-dihydro-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one	
Nimesulide			
Nimesulide Impurity D	5422-92-4	4-Nitro-2-phenoxyaniline	
Nimesulide Impurity E		N,N-Bis(methylsulphonyl)-2-phenoxyaniline	
Nimesulide Impurity F	51765-72-1	N,N-Bis(methylsulphonyl)-4-nitro-2-phenoxyaniline	

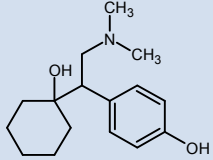
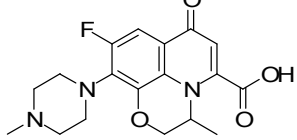
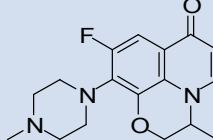
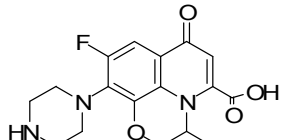
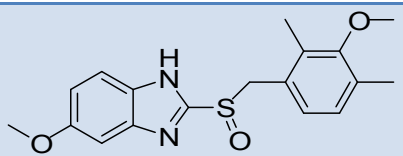
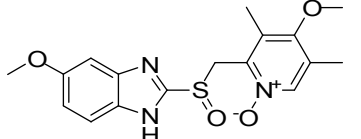
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Nimesulide Impurity G	70995-08-3	4-Nitro-2-phenoxyphenol	
Nizatidine	76963-41-2	N-(2-((2-((dimethylamino)methyl)thiazol-4-yl)methylthio)ethyl)-N-methyl-2-nitroethene-1,1-diamine	
Nizatidine Impurity J	82586-70-7	[2-((dimethylamino)methyl)thiazol-4-yl]methanol	
Nortriptyline Hydrochloride	894-71-3		
Nortriptyline Impurity B	438-59-5	3-(5H-dibenzo[a,d][7]annulen-5-ylidene)-N-methylpropan-1-amine hydrochloride(norcyclobenzaprine)	
Nortriptyline Impurity C	1156-99-6	10,11-Dihydro-5-[3-(methyl-amino)propylidene]-5H-dibenzo[a,d][7]-annulen-10-ol	

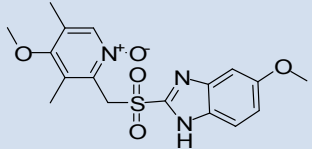
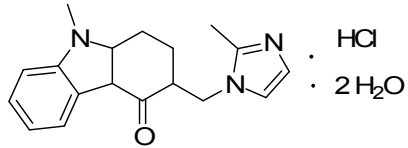
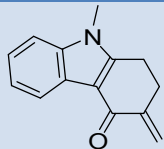
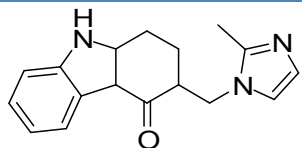
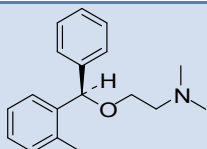
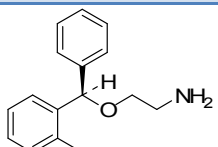
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Nebivolol	99200-09-.6		
Nebivolol N-Benzylated		Nebivolol N-Benzylated	
Olanzapine Impurity		(1Z)-1-((E)-1,2-dihydro-4-(4-methylpiperazin-1-yl)-2-thioxobenzo[b][1,4]diazepin-3-ylidene)propan-2-one	
Olanzapine-d3		2-methyl-4-[4-(2H3)methylpiperazin-1-yl]-10H-thieno[2,3-b][1,5]benzodiazepine	
Omeprazole N-oxide			
Omeprazole sulfone N-oxide			

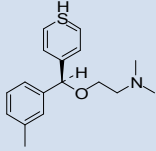
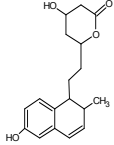
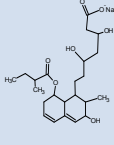
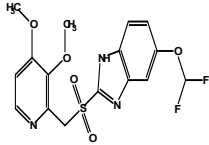
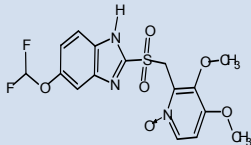
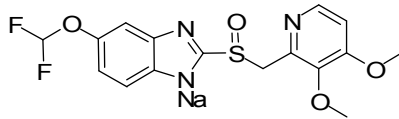
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
O-Desmethyl Venlafaxine		4-[2-(dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol	
Ofloxacin	82419-36-1	9-fluoro-3,7-dihydro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-2H-[1,4]oxazino[2,3,4-ij]quinoline-5-carboxylic acid	
Ofloxacin Impurity B	123155-82-8	(RS)-9-fluoro-3-methyl-10-(4-methylpiperazin-1-yl)-2,3-dihydro-7H-pyrido[1,2,3-de]-1,4-benzoxazin-7-one	
Ofloxacin Impurity E	82419-52-1	(RS)-9-fluoro-3-methyl-7-oxo-10-(piperazin-1-yl)-2,3-dihydro-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid	
Omeprazole	73590-58-6		
Omeprazole Impurity E	176219-04-8	5-methoxy-2-[[[(4-methoxy-3,5-dimethylpyridin-2-yl-1-oxide)methyl]sulfinyl]-1H-benzimidazole	

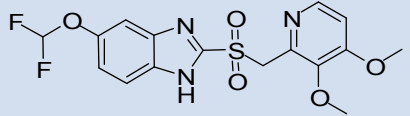
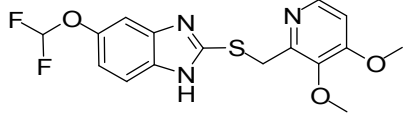
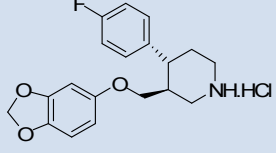
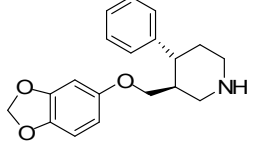
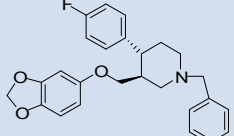
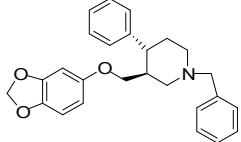
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Omeprazole Impurity I	176219-04-8	4-methoxy-2-[[[(5-methoxy-1H-benzimidazol-2-yl)sulphonyl]methyl]-3,5-dimethylpyridine 1-oxide	
Ondansetron Hydrochloride Dihydrate	103639-04-9		
Ondansetron Impurity D	99614-64-9	9-methyl-3-methylene-1,2,3,9-tetrahydro-4H-carbazol-4-one	
Ondansetron Impurity H	99614-14-9	(3RS)-3-[(2-methyl-1H-imidazol-1-yl)methyl]-1,2,3,9-tetrahydro-4H-carbazol-4-one (N-demethylondansetron)	
Orphenadrine Hydrochloride	341-69-5		
Orphenadrine Impurity C	17752-32-8	(RS)-2-[(2-methylphenyl)phenylmethoxy]ethanamine	

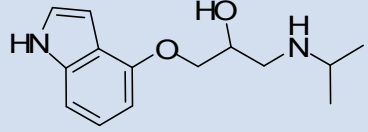
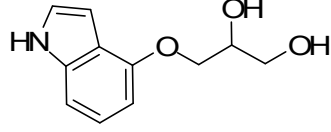
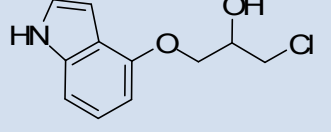
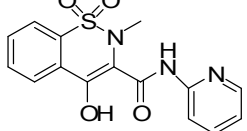
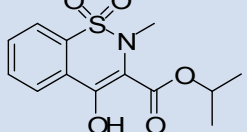
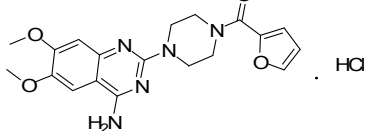
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Orphenadrine Impurity E	17630-53-4	(RS)-N,N-dimethyl-2-[(3-methylphenyl)phenylmethoxy]ethanamine (meta-methyl HbezyI isomer)	
Pravastatin			
		3-alpha-hydroxy pravastatin sodium salt	
Pantoprazole Sulfone		Sodium 5-(difluoromethoxy)-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl] sulfonyl]-1H-benzimidazole	
Pantoprazole Sulfone N-Oxide			
Pantoprazole Sodium	138786-67-1		

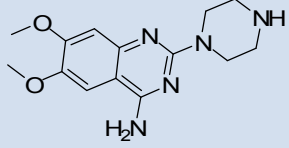
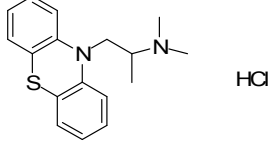
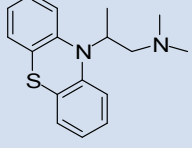
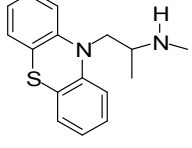
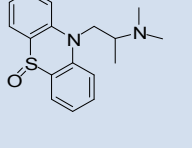
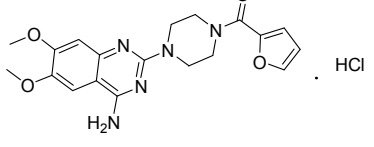
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Pantoprazole Impurity A	127780-16-9	5-(difluoromethoxy)-2-[[[(3,4-dimethoxypyridin-2yl)methyl]sulphonyl]-1H-benzimidazole	
Pantoprazole Impurity B	102625-64-9	5-(difluoromethoxy)-2-[[[(3,4-dimethoxypyridin-2yl)methyl]sulphonyl]-1H-benzimidazole	
Paroxetine Hydrochloride (anhydrous)	78246-49-8		
Paroxetine Impurity A	324024-00-2	(3S,4R)-3-[(1,3-benzodioxol-5-yl)methyl]-4- phenylpiperidine hydrochloride (desfluoroparoxetine)	
Paroxetine Impurity C	105813-13-6	(3S,4R)-3-[(1,3-benzodioxol-5-yl)methyl]-1- benzyl-4-(4-fluorophenyl)piperidine hydrochloride (N-benzyl paroxetine)	
Paroxetin Impurity F		(3S,4R)-3-[(1,3-benzodioxol-5-yl)methyl]-1- benzyl-4-phenylpiperidine hydrochloride (N-benzyl desfluoro paroxetine)	

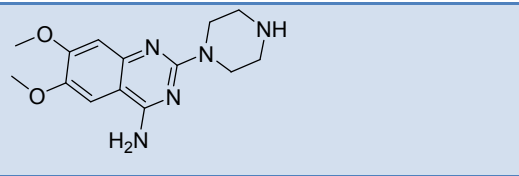
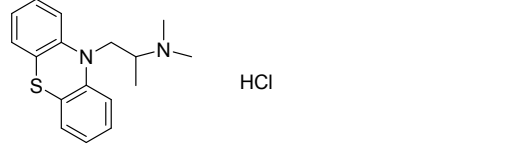



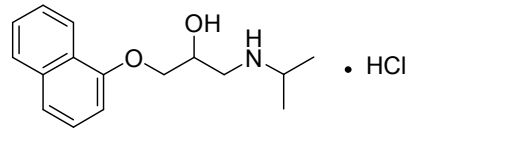
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Pindolol	13523-86-9		
Pindolol Impurity D	61212-32-6	(2RS)-3-(1H-indol-4-yloxy)propane-1,2-diol	
Pindolol Impurity F	130115-66-1	(2RS)-1-chloro-3-(1H-indol-4-yloxy)propan-2-ol	
Piroxicam	36322-90-4		
Piroxicam Impurity L	118854-48-1	1-methylethyl 4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxide	
Prazosin Hydrochloride	19237-84-4		

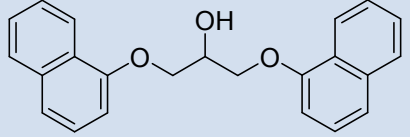
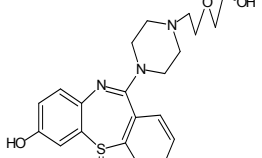
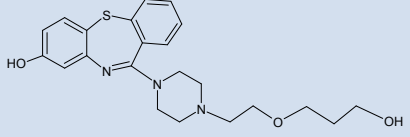
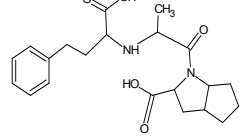
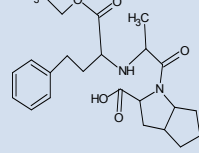
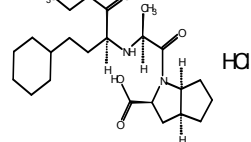
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Prazosin Impurity C	60547-97-9	6,7-dimethoxy-2-(piperazin-1-yl)-quinazolin-4-amine	
PROMETHAZINE HYDROCHLORIDE	58-33-3	N,N-dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amine hydrochloride	
PROMETHAZINE Impurity B	5568-90-1	N,N-dimethyl-2-(10H-phenothiazin-10-yl)propan-1-amine	
PROMETHAZINE Impurity C	60113-77-1	N-methyl-1-(10H-phenothiazin-10-yl)propan-2-amine	
PROMETHAZINE Impurity D	7640-51-9	(2RS)-N,N-dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amineS-oxide	
Prazosin Hydrochloride			

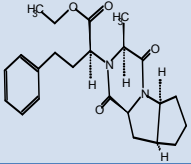
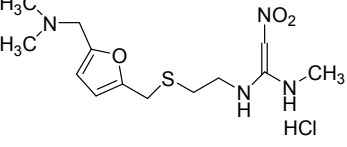
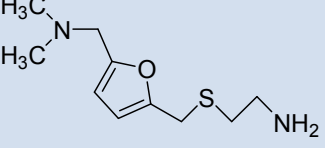
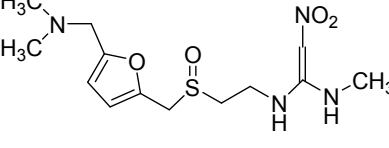
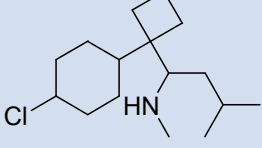
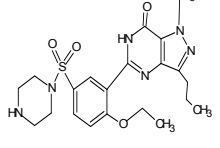
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Prazosin Impurity C		6,7-dimethoxy-2-(piperazin-1-yl)-quinazolin-4-amine	
PROMETHAZINE		N,N-dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amine hydrochloride	
PROMETHAZINE Impurity B		N,N-dimethyl-2-(10H-phenothiazin-10-yl)propan-1-amine	
PROMETHAZINE Impurity C		N-methyl-1-(10H-phenothiazin-10-yl)propan-2-amine	
PROMETHAZINE Impurity D		(2RS)-N,N-dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amine S-oxide	
Propranolol Hydrochloride			

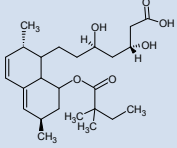
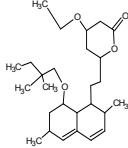
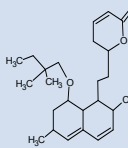
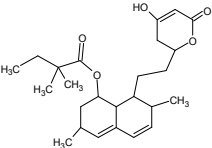
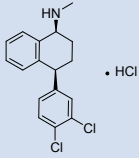
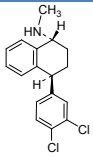
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Propranolol Impurity C		1,3-bis(naphthalen-1-yloxy)-propan-2-ol (bis-ether derivative)	
Quetiapine sulfoxide			
7-hydroxylated quetiapine			
Ramipril hydrate			
Ramipril(RS)			
Ramipril related compound		Ramipril cyclohexyl derivative hydrochloride salt	

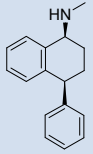
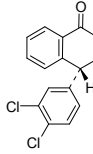
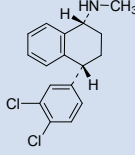
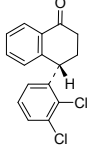
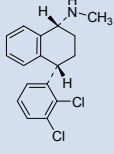
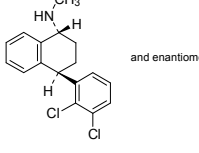
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Ramipril related compound		Ethyl(2S)-2-[(3s,5as,8as,9as)-3- methyl-1,4dioxodecahydro-2H-cyclopenta[4,5]pyrrole[1,2-a] pyrazin-2-yl]-4-phenyl butanoate	
RANITIDINE HYDROCHLORIDE		N-(2-((5-((dimethylamino)methyl)furan-2-yl)methylthio)ethyl)-N-methyl-2-nitroethene-1,1-diamine hydrochloride	
RANITIDINE Impurity B		2-((5-((dimethylamino)methyl)furan-2-yl)methylthio)ethanamine	
RANITIDINE Impurity C		N-(2-((5-((dimethylamino)methyl)furan-2-yl)methylsulfinyl)ethyl)-N-methyl-2-nitroethene-1,1-diamine	
sibutramine (Mono desmethyl sibutramine)		1-[1-(4-chlorocyclohexyl)cyclobutyl]-N,3-dimethylbutan-1-amine	
sildenafil (N-desmethyl sildenafil)			

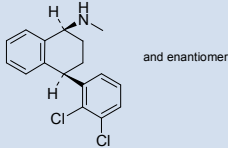
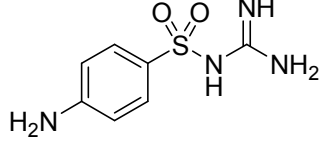
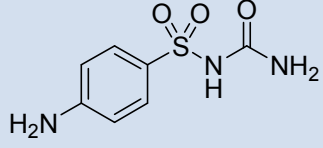
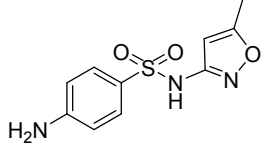
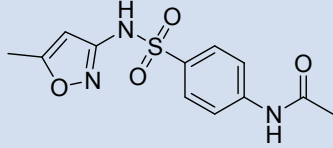
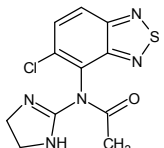
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Simvastatin hydroxyl acid			
Simvastatin Acetate Impurity B			
Simvastatin anhydro Impurity C			
Simvastatin impurity D (Lovastatin)			
Sertraline Hydrochloride			
Sertraline Impurity A		(+/-)-trans-4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N -methyl-1-naphthalenamine	

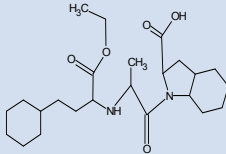
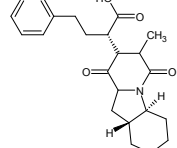
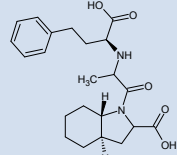
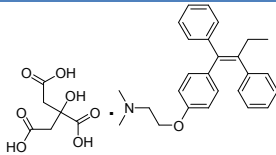
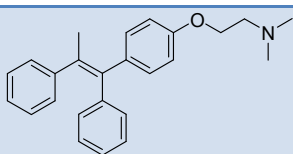
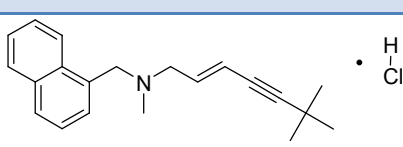
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Sertraline Impurity B		(1R,4R)-N-methyl-4-Phenyl-1,2,3,4-tetrahydronaphthalen-1-amine	
Sertraline Impurity F		4-(3,4-dichlorophenyl)-3,4-dihydro-1(2H)-naphthalenone (tetralone)	
Sertraline Impurity G		4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine ((1R,4R)enantiomer)	
Sertraline Hydrochloride		Unknown: Isomer of 2,3 Dichloro Sertralone	
		Unknown: Isomer of 2,3 Dichloro Sertraline	
		Unknown: Trans form of 2,3 Dichloro Sertraline	

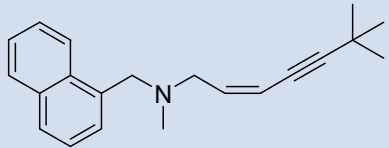
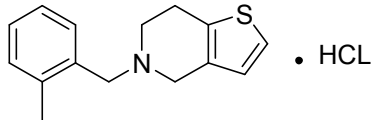
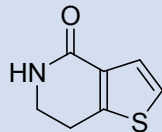
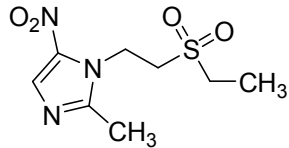
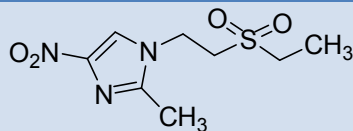
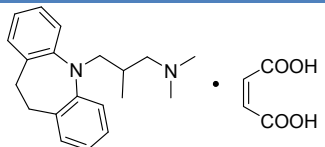
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
		Unknown: Cis form of 2,3 Dichloro Sertraline	 <p>and enantiomer</p>
Sulfaguanidine			
Sulfaguanidine Impurity B		N-[(4-aminophenyl)sulphonyl]urea(sulphacarbamide)	
Sulfamethoxazole			
Sulfamethoxazole Impurity A		N-[4-[(5-methylisoxazol-3-yl)sulphamoyl]phenyl]acetamide	
Tizanidine related compound N-Acetyl Tizanidine		N-(5-chloro-2,1,3-benzothiadiazol-4-yl)-N-(4,5-dihydro-1H-imidazol-2-yl)acetamide	

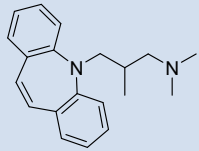
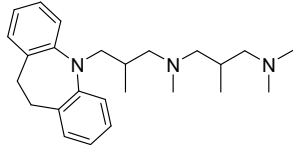
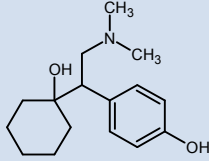
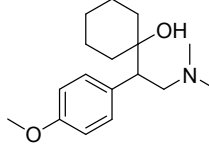
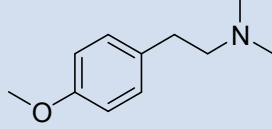
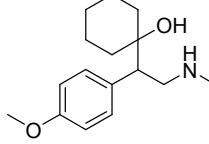
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Trandolapril cyclohexyl analogue			
Trandolapril Diketo analogue			
Trandolaprilate			
Tamoxifen Citrate			
Tamoxifen Citrate Impurity D		2-[4-[(Z)-1,2-diphenylprop-1-enyl]phenoxy]-N,N- dimethylethanamine	
Terbinafine Hydrochloride		(E)-N,N,6,6-trimethyl-N-((naphthalen-1-yl)methyl)hept-2-en-4-yn-1-amine hydrochloride	

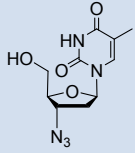
List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Terbinafine Impurity B		2Z)-N,6,6-trimethyl-N-(naphthalen-1-ylmethyl)hept-2-en-4-yn-1-amine hydrochloride (cis-terbinafine hydrochloride)	
Ticlopidine Hydrochloride			
Ticlopidine Impurity B		6,7-dihydrothieno[3,2-c]-pyridin-4(5H)-one	
Tinidazole		1-(2-(ethylsulfonyl)ethyl)-2-methyl-5-nitro-1H-imidazole	
Tinidazole Impurity B		1-[2-(ethylsulphonyl)ethyl]-2-methyl-4-nitro-1H- imidazole	
Trimipramine Maleate			

List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Trimipramine Maleate Impurity C		(2RS)-3-(5H-dibenzo[b,f]azepin-5-yl)-N,N,2-trimethylpropan-1-amine	
Trimipramine Maleate Impurity E		(2RS)-N-[(2RS)-3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-2-methylpropyl]-N,N',N',2-tetramethylpropane-1,3-diamine dihydrochloride	
O-Desmethyl Venlafaxine		4-[2-(dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol	
Venlafaxine Hydrochloride		1-(2-(dimethylamino)-1-(4-methoxyphenyl)ethyl)cyclohexanol	
Venlafaxine Impurity A		2-(4-methoxyphenyl)ethyl]-N,N-dimethylethanamine	
Venlafaxine Impurity D		1-(1-(4-methoxyphenyl)-2-(methylamino)ethyl)cyclohexanol	

List of API molecules and their Impurities

Drug Name, EP Impurity	CAS No	Chemical Name	Structure
Zidovudine		1-((2R,4R,5S)-4-azido-tetrahydro-5-(hydroxymethyl)furan-2-yl)-5-methylpyrimidine-2,4(1H,3H)-dione	
Zidovudine Impurity B		1-(3-chloro-2,3-dideoxy-β-D-erythro-pentofuranosyl)-5-methylpyrimidine-2,4(1H,3H)-dione	