

name	category	cas_number	mol_formula	mol_weight	synonym
Sildenafil Citrate Impurity 4	impurities	1391053-95-4	C ₁₇ H ₂₀ N ₄ O ₅ S	392.43	3-(4,7-Dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxybenzenesulfonic Acid
Metaxalone Impurity A	impurities	59365-66-1	C ₁₁ H ₁₆ O ₃	196.3	3-(3,5-Dimethylphenoxy)propane-1,2-diol
Metaxalone Impurity B	impurities	108-68-9	C ₈ H ₁₀ O	122.2	3, 5-Dimethylphenol
3-(3,5-Dimethyl Phenoxy)-1,2- Propane Diol(Impurity -A)	impurities	59365-66-1	C ₁₁ H ₁₆ O ₃	196.246	3-(3,5-dimethylphenoxy)propane-1,2-diol
Azithromycin Impurity A	impurities	76801-85-9	C ₃₇ H ₇₀ N ₂ O ₁₂	734.96	N6-Demethylazithromycin; Desmethlazithromycin ; 9-Deoxo-9a-aza-9a-homo Erythromycin A ; Azaerythromycin A ; Azathramycin
Azithromycin Impurity B	impurities	307974-61-4	C ₃₈ H ₇₂ N ₂ O ₁₁	732.98	3-Deoxyazithromycin ; 3-Deshydroxy Azithromycin ;
Azithromycin Impurity E	impurities	612069-27-9	C ₃₆ H ₆₈ N ₂ O ₁₂	720.5	Amino Azithromycin ; 3' -(N,N-Didemethyl)azithromycin ;
Dexketoprofen - Related Compound A	impurities	107257-20-5	C ₁₇ H ₁₆ O ₃	268.31	α -Methyl-3-(4-methylbenzoyl)benzeneacetic acid, 2-[3-(4-Methylbenzoyl)phenyl]propionic acid

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1,1,3,3 Tetramethyl butyl amine salt	impurities	151006-14-3	C31H55NO7	553.77	PRAVASTATIN 1,1,3,3-TETRAMETHYL BUTYLAMINE; Pravastatin 1,1,3,3- TetraMethylbutylaMine Salt;
Didehydro Pioglitazone	impurities	144809-28-9	C19H18N2O3S	354.42282	Pioglitazone IMpurity B; Pioglitazone EP IMpurity B; Didehydro Pioglitazone Impurity, 5-(4-(2-(5-Ethyl pyridine-2- yl)Ethoxy)Benzydiene)-2-4-thiazolidine,
1-Nitroso-L-Proline	impurities	7519-36-0	C5H8N2O3	144.13	(2S)-1-nitrosopyrrolidine-2-carboxylic acid
CETRIZINE IMPURITY	impurities	942132-30-1	C17H19ClN2	286.8	1-(4-Chlorobenzyhydrl)piperazine((RS)-1- [(4-Chlorophenyl)Phenylmethyl]- piperazine)
Itraconazole EP Impurity E	impurities	252964-65-1	C35H38Cl2N8O4	778.85	rel-4-[4-[4-[4-[(2R,4R)-2-(2,4- Dichlorophenyl)-2-(1H-1,2,4-triazol-1- ylmethyl)-1,3-dioxolan-4- yl]methoxy]phenyl]-1-piperazinyl]phenyl]- 2,4-dihydro-2-(1-methylpropyl)-3H-1,2,4- triazol-3-one;
Azithromycin N- oxide	impurities	90503-06-3	C ₃₈ H ₇₂ N ₂ O ₁₃	764.98	Azithromycin EP Impurity L; Azithromycin Impurity L / USP RRT - 0.29

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Cefmetazole Na Impurity	impurities	56796-39-5	C ₁₅ H ₁₆ N ₇ NaO ₅ S ₃	493.51	sodium;(6R,7S)-7-[[2-(cyanomethylsulfanyl)acetyl]amino]-7-methoxy-3-[(1-methyltetrazol-5-yl)sulfanylmethyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate
Albendazole Sulfoxide	impurities	54029-12-8	C ₁₂ H ₁₅ N ₃ O ₃ S	281.33	methyl N-(6-propylsulfinyl-1H-benzimidazol-2-yl)carbamate
Telmisartan t-Butyl Ester	impurities	144702-26-1	C ₃₇ H ₃₈ N ₄ O ₂	570.72	tert-butyl 2-[4-[[4-methyl-6-(1-methylbenzimidazol-2-yl)-2-propylbenzimidazol-1-yl]methyl]phenyl]benzoate
EsZopiclone N-Oxide Impurity	impurities	151851-70-6	C ₁₇ H ₁₇ ClN ₆ O ₄	404.81	(S)-(+)-Zopiclone N-Oxide;
Telmisartan Amide	impurities	915124-86-6	C ₃₃ H ₃₁ N ₅ O	513.63	4'-[(1,4'-Dimethyl-2'-propyl[2,6'-bi-1H-benzimidazol]-1'-yl)methyl][1,1'-biphenyl]-2-carboxamide;
Zolpidem-6-Carboxylic Acid	impurities	109461-15-6	C ₁₇ H ₁₆ N ₂ O ₂	280.32	3-[2-(Dimethylamino)-2-oxoethyl]-2-(4-methylphenyl)imidazo[1,2-a]pyridine-6-carboxylic Acid; SL 84.0853;
R(-) Sitagliptin Mandalate Acid	impurities	486460-00-8	C ₈ H ₈ O ₃	152.15	(α R)-α-Hydroxybenzeneacetic Acid; D-Mandelic Acid; (-)-(R)-Mandelic Acid;

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Lisinopril EP Impurity A	impurities	1012-05-1	C10H13NO2	179.22	DL-2-Amino-4-phenylbutyric Acid; 2-Amino-4-phenylbutyric Acid; 2-Amino-4-phenylbutanoic Acid;
Lisinopril EP Impurity C	impurities	328385-86-0	C21H29N3O4	387.47	(S)-2-(((3S,8aS)-3-(4-aminobutyl)-1,4-dioxohexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)-4-phenylbutanoic acid
Lisinopril EP Impurity D	impurities	219677-82-4	C21H29N3O4	387.47	(2S)-2-(((3S)-3-(4-aminobutyl)-1,4-dioxohexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)-4-phenylbutanoic acid
Lisinopril Dihydrate Impurity G	impurities	83915-83-7	C21H35N3O7	441.52	Lisinopril dihydrate impurity G;HLRMNXJOFRUYAM-NGTAMTFRSA-N;
Lisinopril Dihydrate	impurities	83915-83-7	C21H35N3O7	441.525	(1S)-1-[3-(Dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-5-isobenzofurancarbonitrile Ethanedioate;
Desulfated Aztreonam	impurities	102579-59-9	C13H17N5O5S	355.369	(Z)-2-((((2-Amino-4-thiazolyl)(((2S,3S)-2-methyl-4-oxo-3-azetidiny)carbamoyl(methylene)amino(oxy))-2-methylpropionic acid;
Open Ring Aztreonam	impurities	87500-74-1	C13H19N5O6S	373.384	(2S,3S)-3-amino-2-[[[(2Z)-2-(2-amino-1,3-thiazol-4-yl)-2-(2-carboxypropan-2-yloxyimino)acetyl]amino]butanoic acid

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Bisoprolol Ester Compound	impurities	864544-37-6	C ₁₈ H ₂₉ NO ₅	339.432	2-propan-2-yloxyethyl 4-[2-hydroxy-3-(propan-2-ylamino)propoxy]benzoate
Bisoprolol Benzylalcohol	impurities	15258-73-8	C ₂₆ H ₄₀ N ₂ O ₅	460.61	(RS)-1-[4-[4-(2-Hydroxy-3-isopropylaminopropoxy)benzyloxymethyl]phenoxy]-3-isopropylaminopropan-2-ol ;
Lacosamide Chiral Impurity	impurities	175481-37-5	C ₁₃ H ₁₈ N ₂ O ₃	250.3	(S)-2-(Acetylamino)-3-methoxy-N-(phenylmethyl)propanamide;
DiPhenyl Analog of oxybutynin	impurities	14943-53-4	C ₂₂ H ₂₅ NO ₃ .HCl	387.19	4-(Diethylamino)but-2-ynyl 2-Hydroxy-2,2-diphenylacetate ;
Ethyl Propyl Analog of Oxybutynin	impurities	1215677-72-7	C ₂₃ H ₃₃ NO ₃ .HCl	407.19	4-(Ethylpropylamino)but-2-ynyl (RS)-2-cyclohexyl-2-hydroxy-2-phenylacetate HCl
Rizatriptan Carboxylic Acid Impurity	impurities	260435-42-5	C ₁₃ H ₁₂ N ₄ O ₂	256	benzoic acid;N,N-dimethyl-2-[5-(1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine
Fexofenadine Related Compound-B	impurities	479035-75-1	C ₃₂ H ₃₉ N ₄ O ₄	501.65	Hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]butyl]- α , α - Acid Hydrochloride;
Fluvoxamine Impurity G	impurities	192876-02-1	C ₁₄ H ₁₉ F ₃ N ₂ O ₂	304.31	5E)-5-[(2-Aminoethoxy)imino]-5-[4-(trifluoromethyl)-phenyl]pentan-1-ol ;
Trazole Indole 3 Acetic Acid	impurities	177270-91-6	C ₁₃ H ₁₂ N ₄ O	256.26	5-(1H-1,2,4-Triazol-1-ylmethyl)-1H-indole-3-acetic Acid;

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Risperidone N-Oxide	impurities	832747-55-4	C ₂₃ H ₂₇ FN ₄ O ₃	426.21	3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-oxido-1-piperidiny]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one ;
Fluvoxamine Impurity E	impurities	1217214-94-2	C ₁₅ H ₂₁ F ₃ N ₂ O ₂ .C ₄ H ₄ O ₄	434.41	1-Pentanone, 1-[4-(difluoromethyl)phenyl]-5-methoxy-, O-(2-aminoethyl)oxime; 2-[[[(1E)-1-[4-(Difluoromethyl)phenyl]-5-methoxypentylidene]amino]oxy]ethanamine;
Ibuprofen Impurity-A	impurities	66622-47-7	C ₁₃ H ₁₈ O ₂	206.28	(2RS)-2-(3-isobutylphenyl)propanoic acid
Ibuprofen Impurity-D	impurities	938-94-3	C ₁₀ H ₁₂ O ₂	164.2	(2RS)-2-(p-tolyl)propanoic acid
Ibuprofen Impurity-E	impurities	38861-78-8	C ₁₂ H ₁₆ O	176.25	1-(4-isobutylphenyl)ethan-1-one
Ibuprofen Impurity-L	impurities	53949-53-4	C ₁₃ H ₁₈ O ₃	222.28	4-(1-Hydroxy-2-methylpropyl)- α -methylbenzeneacetic Acid;2-[4'-(1-Hydroxy-2-methylpropyl)phenyl]propionic Acid;
Ibuprofen Impurity-M	impurities	1262894-13-2	C ₁₃ H ₁₈ O ₃	222.28	(2RS)-2-hydroxy-2-(4-isobutylphenyl)propanoic acid

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Ibuprofen Impurity-J	impurities	65813-55-0	C ₁₃ H ₁₆ O ₃	220.26	α-Methyl-4-(2-methyl-1-oxopropyl)benzeneacetic Acid;2-(4-Isobutyrylphenyl)propionic Acid; Ibuprofen Impurity J;
Lisinopril Cyclohexyl Analog	impurities	1132650-67-9	C ₂₁ H ₃₇ N ₃ O ₅	411.53	N2-[(1S)-1-Carboxy-3-cyclohexylpropyl]-L-lysyl-L-proline; (2S)-1-[(2S)-6-Amino-2-[[[(1S)-1-carboxy-3-cyclohexylpropyl]amino]hexanoyl]pyrrole-2-carboxylic Acid;
Pregabalin Impurity -I	impurities	1568181-40-7	C ₉ H ₁₇ NO ₃	187.24	Pregabalin Amide Impurity ; (S)-3-(aminomethyl)-5-methylhexanamide
Pregabalin Impurity -II	impurities	1136478-30-2	C ₉ H ₁₆ O ₄	188.22	5,6-Dehydro Pregabalin ; 3-(aminomethyl)-5-methylhex-5-enoic acid
Pregabalin Impurity -III	impurities	216576-74-8	C ₈ H ₁₅ NO	141.21	4,5-Dehydro Pregabalin Formate ; 3-(aminomethyl)-5-methylhex-4-enoic acid
Pregabalin Impurity -IV	impurities	75143-89-4	C ₈ H ₁₇ NO ₂	159.23	Pregabalin Impurity B (3-Isobutylglutaric Acid) ; 3-isobutylpentanedioic acid
Rizatriptan -N-Oxide	impurities	260435-42-5	C ₁₅ H ₁₉ N ₅ O	285.34	N,N-dimethyl-2-[5-(1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine oxide

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Clindamycin Sulfoxide	impurities	22431-46-5	C ₁₈ H ₃₃ ClN ₂ O ₆ S	440.98	7-Chloro-1,6,7,8-tetradecoxy-6-[[[(2S,4R)-1-methyl-4-propyl-2-pyrrolidinyl]carbonyl]amino]-1-(methylsulfinyl)-L-threo- α -D-galactooctopyranose;
Fluvoxamine Impurity Oxime	impurities	88699-84-7	C ₁₃ H ₁₆ F ₃ N ₂ O ₂	275.27	(NE)-N-[5-methoxy-1-[4-(trifluoromethyl)phenyl]pentylidene]hydroxylamine
Fluvoxamine Impurity G Malonamide	impurities	192876-02-1	C ₁₄ H ₁₉ F ₃ N ₂ O ₂	304.31	1-Pentanone, 5-hydroxy-1-[4-(trifluoromethyl)phenyl]-, O-(2-aminoethyl)oxime, (1E)-;
Repaglinide Impurity A	impurities	220438-80-2	C ₁₁ H ₁₂ O ₅	224.21	4-Carboxy-3-ethoxybenzeneacetic Acid;
Repaglinide Impurity B	impurities	99469-99-5	C ₁₃ H ₁₆ O ₅	252.26	[3-Ethoxy-4-(ethoxycarbonyl)phenyl]acetic acid ;
Repaglinide Impurity C	impurities	219921-94-5	C ₂₃ H ₃₇ N ₃ O ₅	435.56	(α S)- α -(2-Methylpropyl)-2-(1-piperidinyl)benzenemethanamine N-Acetyl-L-glutamate;
Repaglinide Impurity D	impurities	147770-06-7	C ₂₉ H ₄₀ N ₂ O ₄	480.64	Ethyl 2-ethoxy-4-[2-[[[(1S)-3-methyl-1-[2-(piperidin-1-yl)phenyl] butyl] amino]-2-oxoethyl]benzoate ;

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Armodafinil Impurity A	impurities	NA	C ₁₅ H ₁₄ O ₃ S	274.33	Benzhydrylsulfinylacetic acid;(Benzhydrylsulfinyl)acetic acid;2-Benzhydrylsulphinylacetic acid;
Armodafinil Impurity B	impurities	63547-22-8	C ₁₅ H ₁₄ O ₂ S	258.34	BENZHYDRYLSULFANYL ACETIC ACID;2-PHENYL METHYLTHIO ACETIC ACID;
Armodafinil Impurity C	impurities	118779-53-6	C ₁₅ H ₁₅ NO ₃ S	289.35	2-[(Diphenyl methyl)sulfonyl] acetamide
Eslicarbamazepine Impurity A	impurities	236395-14-5	C ₁₅ H ₁₂ N ₂ O	236.27	5H-Dibenz[b,f]azepine-5-carboxamide; 5-Carbamoyl-5H-dibenz[b,f]azepine;
24-EPI-Calcipotriol (MC900-000)	impurities	112827-99-3	C ₂₇ H ₄₀ O ₃	412.6047	Calcipotriol EP Impurity D;24R-Calcipotriol;
5,6 trans - Calcipotriol	impurities	557-48-2	C ₂₇ H ₄₀ O ₃	412.6	(1S,3S,5E)-5-[(2E)-2-[(1R,3aS,7aR)-1-[(1R,2E,4S)-4-Cyclopropyl-4-hydroxy-1-methyl-2-buten-1-yl]octahydro-7a-methyl-4H-inden-4-ylidene]ethylidene]-4-methylene-1,3-cyclohexanediol; 5,6-trans-Calcipotriol;
Voriconazole-N- oxide	impurities	618109-05-0	C ₁₆ H ₁₄ F ₃ N ₅ O ₂	365.31	(α R, β S)- α -(2,4-Difluorophenyl)-5-fluoro- β -methyl- α -(1H-1,2,4-triazol-1-ylmethyl)-1-oxide-4-pyrimidineethanol;

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Imatinib Impurity	impurities	404844-03-7	C ₂₅ H ₂₅ N ₅ O ₄ S	491.56	4-[(4-methylpiperazin-1-yl)methyl]-N-(4-methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino}phenyl)benzamide;
Salmeterol Impurity A	impurities	1798014-51-3	C ₂₀ H ₂₅ N ₄ O ₄	343.423	[1-[4-hydroxy-3-(hydroxymethyl)phenyl]-2-(4-phenylbutylamino)ethyl] formate
Salmeterol Impurity B	impurities	94749-02-7	C ₂₃ H ₃₃ N ₄ O ₄	387.51	1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(2-phenylethoxy)hexyl]amino] ethanol ;
Salmeterol Impurity D	impurities	1391052-04-2	C ₃₄ H ₄₇ N ₄ O ₇	581.75	4-[1-hydroxy-2-[2-(hydroxymethyl)-4-[1-hydroxy-2-[6-(4-phenylbutoxy)hexylamino]ethyl]phenoxy]ethyl]-2-(hydroxymethyl)phenol
Esomeprazole Impurity A	impurities	37052-78-1	C ₁₇ H ₁₉ N ₃ O ₄ S	361.42	Omeprazole EP Impurity A ; 5-Methoxy-1H-benzimidazole-2-thiol ;
Esomeprazole Impurity B	impurities	110374-16-8	C ₁₇ H ₁₉ N ₃ O ₄ S	361.42	2-[[[(3,5-Dimethyl-2-pyridinyl)methyl]sulfinyl]-6-methoxy-1H-benzimidazole;
Esomeprazole Impurity D	impurities	88546-55-8	C ₁₇ H ₁₉ N ₃ O ₃ S	345.42	Esomeprazole USP Related Compound A ; Omeprazole EP Impurity D ;Esomeprazole USP RC A ; Omeprazole Sulfone ;

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Salmeterol Impurity F	impurities	1391054-40-2	C ₂₅ H ₃₇ NO ₃	399.57	(R)-4-(1-hydroxy-2-((6-(4-phenylbutoxy)hexyl)amino)ethyl)-2-methylphenol
Bosentan Impurity A	impurities	150727-06-3	C ₂₅ H ₂₄ ClN ₅ O ₄ S	526.01	4-(tert-butyl)-N-(6-chloro-5-(2-methoxyphenoxy)-[2,2'-bipyrimidin]-4-yl)benzenesulfonamide
Bosentan Impurity B	impurities	174227-14-6	C ₂₅ H ₂₅ N ₅ O ₅ S	507.56	O-Deshydroxyethyl Bosentan ; 4-(tert-butyl)-N-(5-(2-methoxyphenoxy)-6-oxo-3,6-dihydro-[2,2'-bipyrimidin]-4-yl)benzenesulfonamide
Bosentan Impurity C	impurities	1097263-60-9	C ₅₂ H ₅₂ N ₁₀ O ₁₀ S ₂	1041.16	N,N'-((ethane-1,2-diylbis(oxy))bis(5-(2-methoxyphenoxy)-[2,2'-bipyrimidine]-6,4-diyl))bis(4-(tert-butyl)benzenesulfonamide)
Bosentan Impurity D	impurities	174227-14-6	C ₂₅ H ₂₅ N ₅ O ₅ S	507.565	4-tert-butyl-N-[5-(2-methoxyphenoxy)-4-oxo-2-pyrimidin-2-yl-1H-pyrimidin-6-yl]benzenesulfonamide
Bosentan Impurity E	impurities	6292-59-7	C ₁₀ H ₁₅ NO ₂ S	213.3	4-(tert-Butyl)benzenesulfonamide

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Voriconazole Impurity A	impurities	86404-63-9	C ₁₆ H ₁₄ F ₃ N ₅ O	349.31	Voriconazole Triazole Acetophenone Impurity (USP) ; Voriconazole USP RC C ; Fluconazole EP Impurity E ; 1-(2,4- Difluorophenyl)-2-(1H-1,2,4-triazol-1- yl)ethanone ;
Voriconazole Impurity B	impurities	182369-73-9	C ₁₆ H ₁₅ F ₂ N ₅ O	331.32	Voriconazole USP Related Compound D ; Desfluoro Voriconazole ; (2R,3SR)-2-(2,4- Difluorophenyl)-3-pyrimidin-4-yl-1-(1H- 1,2,4-triazol-1-yl)butan-2-ol ;
Voriconazole impurity D	impurities	137234-63-0	C ₁₆ H ₁₅ F ₂ N ₅ O	331.32	Voriconazole USP RC B ; epi-Voriconazole ; Voriconazole (2S,3R)-Enantiomer ; (2S,3R)-2-(2,4-Difluorophenyl)-3- pyrimidin-4-yl-1-(1H-1,2,4-triazol-1- yl)butan-2-ol ;
5-chloro Hydrochlorothiazid e	impurities	5233-42-1	C ₇ H ₇ Cl ₂ N ₃ O ₄ S ₂	332.18	5,6-Dichloro-3,4-dihydro-2H-1,2,4- benzothiadiazine-7-sulfonamide 1,1- Dioxide;
Clopidogrel Impurity B	impurities	144750-52-7	C ₁₆ H ₁₆ ClNO ₂ S.H ₂ SO ₄	419.9	Methyl (+/-)-(o-Chlorophenyl)-4,5- dihydrothieno[3,2-c]pyridine-6(7H)acetate Hydrochloride;

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Clopidogrel Impurity C	impurities	120202-71-3	C ₁₆ H ₁₆ ClNO ₂ S.H ₂ SO ₄	419.9	Clopidogrel USP Related Compound C ; Clopidogrel Bisulfate R-Isomer ; Methyl (-)-(R)-(o-chlorophenyl)[6,7-dihydrothieno[3,2-c]pyridine-5(4H)-yl]acetate hydrogen sulfate ;
Levodopa Impurity D	impurities	5796-17-8	C ₉ H ₁₁ NO ₄	197.19	(R)-2-amino-3-(3,4-dihydroxyphenyl)propanoic acid ; D-Dopa
Aminoquat (Colsevelam Impurity)	impurities	33968-67-1	C ₉ H ₂₃ BrN ₂	239.2	1-Hexanaminium, 6-amino-N,N,N-trimethyl-, bromide, hydrobromide; (6-Aminohexyl)trimethylammonium bromide,
Decyl Aminoquat (Colsevelam Impurity)	impurities	NA	C ₁₉ H ₄₃ BrN ₂	379.46	6-(decylamino)-N,N,N-trimethylhexan-1-aminium bromide hydrobromide
Levodopa Impurity C	impurities	7636-26-2	C ₁₀ H ₁₃ NO ₄	211.21	Levodopa USP Related Compound B ; (2RS)-2-Amino-3-(4-hydroxy-3-methoxyphenyl)propanoic acid ;
Gabapentine Impurity E	impurities	667465-00-1	C ₉ H ₁₄ O ₄	186.2	1-(carboxymethyl)cyclohexanecarboxylic acid
Voriconazole Impurity C	impurities	137234-88-9	C ₆ H ₇ FN ₂	126.13	Voriconazole Ethylfluoropyrimidine Impurity (USP) ; 4-Ethyl-5-fluoropyrimidine ;

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Voriconazole impurity F	impurities	5872-08-2	C ₁₀ H ₁₆ F ₂ O ₄ S	232.3	(±)-β-Camphorsulfonic acid, (±)-Camphor-10-sulfonic acid
4-Trifluoromethyl salicyclic acid	impurities	328-90-5	C ₈ H ₅ F ₃ O ₃	206.12	2-Hydroxy-4-(trifluoromethyl)benzoic Acid; α, α, α-Trifluoro-2,4-cresotic Acid;
Cyclosporin Impurity B	impurities	63775-95-1	C ₆₁ H ₁₀₉ N ₁₁ O ₁₂	1188.58	Cyclo[L-alanyl-D-alanyl-N-methyl-L-leucyl-N-methyl-L-leucyl-N-methyl-L-valyl-3-hydroxy-N,4-dimethyl-L-2-amino-6-octenoyl-L-alanyl-N-methylglycyl-N-methyl-L-leucyl-L-valyl-N-methyl-L-leucyl
Cyclosporin Impurity C	impurities	59787-61-0	C ₆₂ H ₁₁₁ N ₁₁ O ₁₃	1218.61	Thr2-cyclosporine;7-L-Threoninecyclosporin A;7-L-Threoninecyclosporin A,
Simvastatin impurity E	impurities	75330-75-5	C ₂₄ H ₃₆ O ₅	404.54	(2S)-2-Methylbutanoic Acid (1S,3R,7S,8S,8aR)-1,2,3,7,8,8a-Hexahydro-3,7-dimethyl-8-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1-naphthalenyl Ester;

name	category	cas_number	mol_formula	mol_weight	synonym
Simvastatin Impurity F	impurities	79952-44-6	C ₂₄ H ₃₆ O ₅	404.54	(1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl]-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl (2R)-2-methylbutanoate
Simvastatin Impurity D	impurities	476305-24-5	C ₅₀ H ₇₆ O ₁₀	837.13	(3R,5R)-((2R,4R)-2-(2-((1S,2S,6R,8S)-8-(2,2-Dimethylbutanoyloxy)-2,6-dimethyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl)ethyl)-6-oxo-tetrahydro-2H-pyran-4-yl)7-((2S,6R,8S)-8-(2,2-dimethylbutanoyloxy)-2,6-dimethyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl)-3,5-dihydroxyheptanoate ;
Simvastatin Impurity G	impurities	1449248-72-9	C ₂₅ H ₃₆ O ₅	416.55	[1S-[1 α ,3 α ,7 β ,8 β (2S*,4S*),8a β]]-2,2,3-Trimethyl-3-butenic Acid 1,2,3,7,8,8a-Hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl Ester;
Diclofenac Impurity D	impurities	127792-45-4	C ₁₄ H ₁₁ BrClNO ₂	340.59	Diclofenac EP Impurity D ; 2-[2-[(2-Bromo-6-chlorophenyl) amino]phenyl]acetic acid

name	category	cas_number	mol_formula	mol_weight	synonym
Diclofenac Impurity E	impurities	59-48-3	C8H7NO	133.14	Diclofenac EP Impurity E;2-Oxindole ;2-Indolone;1,3-Dihydro-2H-indol-2-one;2-Oxindole;2-Indolone.;CS-P-00400
Diclofenac Impurity B	impurities	22121-58-0	C13H9Cl2NO	266.13	Diclofenac EP Impurity B ; 2-[(2,6-Dichlorophenyl)amino]benzaldehyde
Diclofenac Impurity C	impurities	27204-57-5	C13H11Cl2NO	268.14	Diclofenac Impurity C;Diclofenac alcohol ;2-[(2,6-Dichlorophenyl)amino]benzenemethanol; [2-[(2,6-Dichlorophenyl)amino]phenyl]methanol;
Piribedil Catechol	impurities	50602-50-1	C15H18N4O2	286.33	1-(3,4-DIHYDROXYBENZYL)-4-(2-PYRIMIDINYL)-PIPERAZINEM
P- Oh Piribedil	impurities	3605-01-4	C15H18N4O	270.33	2-[4-(1,3-BENZODIOXOL-5-YLMETHYL)PIPERAZIN-1-YL]-5-HYDROXY
Piribedil N- oxide	impurities	53954-71-5	C16H18N4O3	314.34	2-[4-(1,3-benzodioxol-5-ylmethyl)-4-oxido-1-piperaziny]-Pyrimidine;
Moxifloxacin	impurities	151096-09-2	C21H24FN3O4	401.438	7-[(4aS,7aS)-1,2,3,4,4a,5,7,7a-octahydropyrrolo[3,4-b]pyridin-6-yl]-1-cyclopropyl-6-fluoro-8-methoxy-4-oxoquinoline-3-carboxylic acid

name	category	cas_number	mol_formula	mol_weight	synonym
Domperidone Impurity C	impurities	118435-03-3	C22H24ClN5O3	441.91	(1r,4s)-4-(5-chloro-2-oxo-2,3-dihydro-1H-1,3- benzodiazol-1-yl)-1-[3-(2-oxo-2,3-dihydro-1H-1,3- benzodiazol-1-yl)propyl]piperidin-1-ium-1-olate.
Domperidone Impurity D	impurities	1614255-34-3	C32H34ClN7O3	600.11	5-Chloro-3-[3-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)propyl]-1-[1-[3-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)propyl]-4-piperidiny]-1,3-dihydro-2H-benzimidazol-2-one;
Piroxicam Impurity L	impurities	118854-48-1	C13H15NO5S	297.33	4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic Acid 1-Methylethyl Ester1,1-Dioxide
Zopiclone Impurity B	impurities	43200-81-3	C11H7ClN4O2	262.65	7RS)-6-(5-Chloropyridin-2-yl)-7-hydroxy-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-one ;
Celecoxib Regio isomer	impurities	331943-04-5	C17H14F3N3O2S	381.37	Celecoxib EP Impurity B (Celecoxib regio Isomer,N-De(4-sulfonamidophenyl)-N'-(4-sulfonamidophenyl) Celecoxib

name	category	cas_number	mol_formula	mol_weight	synonym
Simvastatin Impurity B	impurities	145576-25-6	C ₂₇ H ₄₀ O ₆	460.6	2,2-Dimethylbutanoic Acid (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-(Acetyloxy)tetrahydro-6-oxo-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl Ester;
Simvastatin Impurity C	impurities	210980-68-0	C ₂₅ H ₃₆ O ₄	400.55	2,2-Dimethylbutanoic Acid (1S,3R,7S,8S,8aR)-8-[2-[(2R)-3,6-Dihydro-6-oxo-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl Ester;
Roxithromycin Impurity A	impurities	114-07-8	C ₃₇ H ₆₇ NO ₁₃	733.93	(3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-4-[(2,6-dideoxy-3-C-methyl-3-O-methyl- α -L-ribo-hexo pyranosyl)oxy]-14-ethyl-7,12,13-trihydroxy-3,5,7,9,11,13-hexamethyl-6-[[3,4,6-trideoxy-3-(dimethylamino)- β -D-xylohexopyranosyl]oxy]oxacyclotetradecane-2,10-dione;
Diclofenac Impurity A	impurities	15362-40-0	C ₁₄ H ₉ Cl ₂ NO	278.13	1-(2,6-Dichlorophenyl)-1,3-dihydro-2H-indol-2-one, N-(2,6-Dichlorophenyl)-2-indolinone, NSC 621845

name	category	cas_number	mol_formula	mol_weight	synonym
Levodopa EP Impurity C	impurities	7636-26-2	C ₁₀ H ₁₃ NO ₄	211.22	Levodopa USP Related Compound B ; (2R)-2-Amino-3-(4-hydroxy-3-methoxyphenyl)propanoic acid ; 3-Methyl-DL-Dopa ;
Palonsetron n oxide	impurities	813425-83-1	C ₁₉ H ₂₄ N ₂ O ₂	312.41	(3aS)-2,3,3a,4,5,6-Hexahydro-2-[(3S)-1-oxido-1-azabicyclo[2.2.2]oct-3-yl]-1H-benz[de]isoquinolin-1-one,
Voriconazole oxide	impurities	618109-05-0	C ₁₆ H ₁₄ F ₃ N ₅ O ₂	365.316	(2R,3S)-2-(2,4-difluorophenyl)-3-(5-fluoro-1-oxidopyrimidin-1-ium-4-yl)-1-(1,2,4-triazol-1-yl)butan-2-ol
8 [5-amino-2-(4-amino-1,3-dioxisoindolin-2-yl)-5-oxopentanoic acid]/Pomalidomide Impurity	impurities	2635-64-5	C ₁₃ H ₁₅ N ₃ O ₄	277.28	(γ S)-4-Amino- γ -(aminocarbonyl)-1,3-dihydro-1-oxo-2H-isoindole-2-butanoic Acid;
Didehydro pioglitazone	impurities	144809-28-9	C ₁₉ H ₁₈ N ₂ O ₃ S	354.42	5-{4-[2-(5-Ethyl-2-pyridinyl) ethoxy]benzylidene}-2,4-thiazolidinedione
Paliperidone Impurity 1	impurities	NA	C ₁₄ H ₁₅ F ₂ NO ₂	267.27	1-Acetyl-4-(2,4-difluorobenzoyl)Piperidine
Paliperidone Impurity 2	impurities	NA	C ₁₂ H ₁₄ F ₂ N ₂ O	240.25	4-(2,4-Difluorobenzoyl)piperidine Oxime

name	category	cas_number	mol_formula	mol_weight	synonym
Paliperidone Impurity 3	impurities	NA	C ₁₂ H ₁₄ ClF ₂ NO	261.69	4-(2,4-Difluorobenzoyl)-piperidine hydrochloride
Dasatinib N oxide	impurities	910297-52-8	C ₂₂ H ₂₆ ClN ₇ O ₃ S	504	N-[2-Chloro-6-methylphenyl]-2-[[6-[4-(2- hydroxyethyl)-1-piperazinyl]-2-methyl-4- pyrimidinyl]amino]-5-thiazolecarboxamide N-Oxide;
Ivabradine N Oxide	impurities	NA	C ₂₇ H ₃₆ N ₂ O ₆	484.58	3-[3-({[(7S)-3,4- dimethoxybicyclo[4.2.0]octa-1,3,5-trien-7- yl)methyl}(methyl)amino) propyl]-7,8- dimethoxy-2,3,4,5-tetrahydro-1H-3- benzazepin-2-one N-Oxide
Ciprofloxacin chloro analog	impurities	93106-58-2	C ₁₇ H ₁₈ ClN ₃ O ₃	'347.80	6-Chloro-1-cyclopropyl-1,4-dihydro-4- oxo-7-(1-piperazinyl)-3- quinolinecarboxylic Acid
Prasugrel Impurity 3	impurities	951380-42-0	C ₂₀ H ₂₁ BrFNO ₃ S	454.35	5-(1-(2-fluorophenyl)-2-oxopropyl)- 4,5,6,7-tetrahydrothieno[3,2-c]pyridin-2-yl acetate
1-(4- Chlorobenzhydryl)p iperazine	impurities	303-26-4	C ₁₇ H ₁₉ ClN ₂	286.8	(RS)-1-[(4- Chlorophenyl)phenylmethyl]piperazine, NSC 86164, Norchlorcyclizine;

name	category	cas_number	mol_formula	mol_weight	synonym
Sofosbuvir impurity	impurities	1233335-78-8	C ₂₀ H ₁₇ FO ₆	372.34	(2R,3R,4S,5R)-5-(4-BENZAMIDO-2-OXOPYRIMIDIN-1(2H)-YL)-2-((BENZOYLOXY)METHYL)-4-FLUORO-4-METHYLTETRAHYDROFURAN-3-YL
Sofosbuvir- 7 2'-beta- fluoro	impurities	1987957-28-7	C ₂₈ H ₆₁ FN ₅ O ₁₄ P ₃	803.73	(2'R)-2'-Deoxy-2'-fluoro-2'-methyl-uridine 5'-Triphosphate Triethylammonium Salt;
Diltiazem EP Impurity A	impurities	103532-27-0	C ₂₂ H ₂₆ N ₂ O ₄ S	414.52	(-)-trans-Diltiazem; (2R,3S)-5-[2-(dimethylamino)ethyl]-2-(4-methoxyphenyl)-4-oxo-2,3,4,5-tetrahydro-1,5-benzothiazepin-3-yl acetate
Diltiazem Impurity C / O-desmethyl Diltiazem	impurities	142926-07-6	C ₂₁ H ₂₅ ClN ₂ O ₄ S	436.95	Diclofenac Impurity C;Diclofenac alcohol ;2-[(2,6-Dichlorophenyl)amino]benzenemethanol;
Diltiazem Impurity G/N-Desmethyl desacetyl Diltiazem HCl	impurities	86408-44-8	C ₁₉ H ₂₂ N ₂ O ₃ S.HCl	394.91	(2S,3S)-5-[2-(Methylamino)ethyl]-2-(4-methoxyphenyl)-4-oxo-2,3,4,5-tetrahydro-1,5-benzothiazepin-3-ol

name	category	cas_number	mol_formula	mol_weight	synonym
Diltiazem Impurity H/N,N,O- Tridemethyl desacetyl diltiazem	impurities	15992-91-1 (base	C ₁₇ H ₁₈ N ₂ O ₃ S	330.40	(2S,3S)-5-(2-Aminoethyl)-3-hydroxy-2-(4-hydroxyphenyl)-2,3-dihydro-1, 5-benzothiazepine-4(5H)-one
Amlodipine	impurities	88150-42-9	C ₂₀ H ₂₅ ClN ₂ O ₅	408.88	2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-3-ethoxycarbonyl-5-methoxycarbonyl)-6-methyl-1,4-dihydropyridine;
Amlodipine Impurity	impurities	88150-62-3	C ₂₅ H ₃₄ ClNO ₆	480.01	3-ethyl 5-methyl 4-(2-chlorophenyl)-2-((2-(1,3-dioxoisindolin-2-yl)ethoxy)methyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate
Tizanidine N-acetyl	impurities	173532-15-5	C ₁₁ H ₁₀ ClN ₅ OS	295.75	1-[2-[(5-Chloro-2,1,3-benzothiadiazol-4-yl)amino]-4,5-dihydro-1H-imidazol-1-yl]-ethanone;
Sorafenib N oxide	impurities	583840-03-3	C ₂₁ H ₁₆ ClF ₃ N ₄ O ₄	480.82	4-[4-[[[4-Chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenoxy]-N-methyl-2-pyridinecarboxamide 1-Oxide;
Abiraterone Chloro impurity	impurities	NA	C ₂₁ H ₃₀ O ₃	330.47	3-β-Acetoxy-5-androsten-17-one, Prasterone acetate

name	category	cas_number	mol_formula	mol_weight	synonym
Ezetimibe Tetrahydropyran Analog Impurity	impurities	1296129-15-1	C ₂₄ H ₂₁ F ₂ NO ₃	409.44	(2R,3R,6S)-N,6-Bis(4-fluorophenyl)tetrahydro-2-(4-hydroxyphenyl)-2H-pyran-3-carboxamide; SCH59566
1H-Indole-7-carboxamide,5-[(2R)-2-[[2-(2-ethoxyphenoxy)ethyl]amino]propyl]-1-(3-hydroxypropyl)-,monohydrochloride/Ethoxy Silodosin	impurities	239463-74-2	C ₂₅ H ₃₅ N ₃ O ₄	441.56	1H-Indole-7-carboxamide,5-[(2R)-2-[[2-(2-ethoxyphenoxy)ethyl]amino]propyl]-1-(3-hydroxypropyl)-,monohydrochloride
Tenegliptin sulfoxide	impurities	NA	C ₂₂ H ₃₀ N ₆ O ₂ S	442.58	[(2S,4S)-4-[4-(3-Methyl-1-phenyl-1H-pyrazol-5-yl)-1-piperazinyl]-2-pyrrolidinyl]-3-thiazolidinylmethanone Sulfoxide;
Emtricitabine sulfoxide	impurities	152128-77-3	C ₈ H ₁₀ FN ₃ O ₄ S	263.35	4-Amino-5-fluoro-1-[(2R,5S)-2-(hydroxymethyl)-3-oxido-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;

name	category	cas_number	mol_formula	mol_weight	synonym
Lamotrigine 3 3 dimer	impurities	1797983-48-2	C ₁₉ H ₁₄ Cl ₄ N ₁₀	524.19	3-[[5-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazine-3-amino]methylamino]-5-amino-6-(2,3-dichlorophenyl)-1,2,4-triazine;
Lamotrigine 5 5 dimer	impurities	N/A	C ₁₉ H ₁₄ Cl ₄ N ₁₀	524.19	N5,N5'-Methylenebis(6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine) ; Lamotrigine Dimer Impurity 2
Ropinirole Impurity C	impurities	221264-43-3	C ₁₀ H ₁₁ NO	'161.20	4-Ethyl-1,3-dihydro-2H-indol-2-one
Sitagliptin Triazecine Analog	impurities	NA	C ₁₆ H ₁₃ F ₆ N ₅ O ₂	421.3	10-(2,4,5-Trifluorobenzyl)-3-(trifluoromethyl)-6,7,10,11-tetrahydro-[1,2,4]triazolo[3,4-c][1,4,7]triazecine-8,12(5H,9H)-dione
5-oxo Fluvastatin	impurities	1160169-39-0	C ₂₄ H ₂₄ FNO ₄	409.45	(E)-(+/-)-7-[3-(4-Fluorophenyl)-1-(methylethyl)-1H-indol-2-yl]-3-hydroxy-5-oxo-6-heptenoic Acid;
Memantine Impurity IV	impurities	63971-25-5	C ₁₂ H ₂₁ NO	'195.30	1-Amino-7-hydroxy-3,5-dimethyladamantane; 3-Amino-5,7-dimethyl-tricyclo[3.3.1.1(3,7)]decan-1-ol
2-Hydroxymethyl Olanzapine	impurities	174756-45-7	C ₁₇ H ₂₀ N ₄ OS	328.43	[4-(4-methylpiperazin-1-yl)-5H-thieno[3,2-c][1,5]benzodiazepin-2-yl]methanol

name	category	cas_number	mol_formula	mol_weight	synonym
27-O-Desmethyl Sirolimus	impurities	N/A	C ₅₀ H ₇₇ NO ₁₃	900.17	27-O-Desmethyl Rapamycin
41-O-Desmethyl Sirolimus	impurities	151519-50-5	C ₅₀ H ₇₇ NO ₁₃	900.15	7-O-Demethyl Cypher; 7-O-Demethyl Rapammune;
ROSUVASTATIN METHYL ESTER	impurities	147118-40-9	C ₂₃ H ₃₀ FN ₃ O ₆ S	495.56	3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1- methylethyl)-2- [methyl(methylsulfonyl)amino]-5- pyrimidinyl]-3,5-dihydroxy-6-heptenoic Acid Methyl Ester;
ROSUVASTATIN ISOAMYL ESTER	impurities	1197348-98-3	C ₂₇ H ₃₈ FN ₃ O ₆ S	551.67	(3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1- methylethyl)-2- [methyl(methylsulfonyl)amino]-5- pyrimidinyl]-3,5-dihydroxy-6-heptenoic Acid 3-Methylbutyl Ester;
Betahistine Impurity B	impurities	103-74-2	C ₇ H ₉ NO	123.15	2-(2-Hydroxyethyl)pyridine, 2-(2- Pyridyl)ethanol
Betahistine Impurity A	impurities	100-69-6	C ₇ H ₇ N	105.14	2-Vinylpyridine
SILODOSIN IMPURITY MD309	impurities	175870-21-0	C ₂₅ H ₃₀ F ₃ N ₃ O ₄	493.52	(R)-1-(3-hydroxypropyl)-5-(2-((2-(2- (2,2,2- trifluoroethoxy)phenoxy)ethyl)amino)propy l)-1H-indole-7-carboxamide

name	category	cas_number	mol_formula	mol_weight	synonym
LERCANIDIPINE HYDROCHLORIDE IMPURITY D	impurities	887769-34-8	C ₃₆ H ₃₉ N ₃ O ₆ .HCl	646.19	2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic Acid 3-[2-[(3,3-Diphenylpropyl)methylamino]-1,1-dimethylethyl] 5-Methyl Ester
Nimesulide Impurity C	impurities	2688-84-8	C ₁₂ H ₁₁ NO	185.22	2-Aminophenyl phenyl ether
Nimesulide Impurity D	impurities	5422-92-4	C ₁₂ H ₁₀ N ₂ O ₃	230.22	2-Amino-5-nitrodiphenyl ether, 4-Nitro-2-phenoxyaniline, 4-Nitro-2-phenoxybenzenamine
Escitalopram oxo Impurity	impurities	372941-54-3	C ₂₀ H ₁₉ FN ₂ O ₂	338.37	1-[3-(Dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-3-oxo-5-isobenzofurancarbonitrile;
Ambrisentan Impurity B	impurities	1106685-84-0	C ₂₂ H ₂₂ N ₂ O ₅	394.4	(S)-2-(1-carboxy-2-methoxy-2,2-diphenylethoxy)-4,6-dimethylpyrimidine 1-oxide;
ATORVASTATIN LACTONE DIEPOXIDE	impurities	1046118-40-4	C ₃₃ H ₃₃ FN ₂ O ₆	572.62	4-(4-Fluorophenyl)-6-(1-methylethyl)-N,2-diphenyl-5-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-3,7-dioxo-5-azatricyclo[4.1.0.0 ^{2,4}]heptane-1-carboxamide;
Ropinirole Impurity D	impurities	173990-76-6	C ₁₆ H ₂₄ N ₂ O ₄	308.37	2-(2-(2-(Dipropylamino)ethyl)-6-nitrophenyl)-acetic acid hydrochloride

name	category	cas_number	mol_formula	mol_weight	synonym
Diclofenac epolamine	impurities	119623-66-4	$C_{20}H_{24}Cl_2N_2O_3$	411.32	2-[(2,6-Dichlorophenyl)amino]- benzeneacetic Acid compound with 1- Pyrrolidineethanol;
Mesalamin Impurity A – 4- Aminophenol R (EP)	impurities	123-30-8	C_6H_7NO	109.13	4-Aminophenol, 4-Hydroxyaniline
Mesalamin Impurity B – 3- Aminophenol R (EP)	impurities	591-27-5	C_6H_7NO	109.13	4-amino 2-hydroxybenzoic acid
Mesalamin Impurity C – 2- Aminophenol R (EP)	impurities	95-55-6	C_6H_7NO	109.13	5-amino-2-hydroxy-3-(4- sulfophenyl)benzoic acid
Mesalamin Impurity D – 3- Aminobenzoic acid (EP)	impurities	99-05-8	$C_7H_7NO_2$	137.14	3-Amino benzoic acid; 3-aminobenzoic acid

name	category	cas_number	mol_formula	mol_weight	synonym
Mesalamin Impurity F – 3- Aminosalicylic acid (DMF)	impurities	570-23-0	C ₇ H ₇ NO ₃	153.14	3-Amino-2-hydroxybenzoic acid
Mesalamin Impurity G –2,5- dihydroxybenzoic acid (EP)	impurities	490-79-9	C ₇ H ₆ O ₄	154.12	2,5-DHBA, DHB, Gentisic acid, Hydroquinonecarboxylic acid
Sulfamethoxazole EP Impurity F	impurities	17103-52-5	C ₁₀ H ₁₁ N ₃ O ₃ S	253.28	4-Amino-N-(3-methyl-5- isoxazolyl)benzenesulfonamide; 5- Sulfanilamido-3-methylisoxazole;
Mesalamin Impurity K –Aniline (EP)	impurities	62-53-3	C ₆ H ₇ N	93.13	Aniline HCl, PhenylamineHydrochlorid
Ursodeoxycholic acid alcohol(impurity-I)	impurities	130593-75-8	C ₂₄ H ₄₂ O ₃	378.59	3R,5S,7S,8R,9S,10S,13R,14S,17R)-17- ((R)-5-Hydroxypentan-2-yl)-10,13- dimethylhexadecahydro-1H- cyclopenta[a]phenanthrene-3,7-diol;
Ursodeoxycholic acid methyl ester (impurity-G)	impurities	10538-55-3	C ₂₅ H ₄₂ O ₄	406.6	(3 α ,5 β ,7 β)-3,7-Dihydroxycholan-24-oic Acid Methyl Ester; 3 α ,7 β -Dihydroxy-5 β - cholanic Acid Methyl Ester;

name	category	cas_number	mol_formula	mol_weight	synonym
LEVETIRACETAM CYCLIC ACID	impurities	67118-31-4	C ₈ H ₁₃ NO ₃	171.20	2RS)-2-(2-Oxopyrrolidin-1-yl)butanoic acid
4-Chloro amide Levetiracetam	impurities	102767-31-7	C ₈ H ₁₅ ClN ₂ O ₂	206.67	S)-N-[1-(Aminocarbonyl)propyl]-4-chlorobutanamide
Tavaborole Impurity A	impurities	NA	C ₁₁ H ₁₃ BFNO ₅	269.03	5-fluoro-1,2-dihydro-1-hydroxy-2-[(4-methylphenyl)sulfonyl]-2,3,1-benzodiazaborine
Tavaborole Impurity B	impurities	2357-33-7	C ₇ H ₇ FO ₂	142.13	5-fluoro-1,2-dihydro-1-hydroxy-2,3,1-benzodiazaborine
Tavaborole Impurity C	impurities	NA	C ₇ H ₆ BF ₂ O ₂	151.93	(β R, δ R)-2,3- Bis(4-fluorophenyl)-β , δ -dihydroxy-5-(1-methylethyl)-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic Acid Calcium Salt;
Tavaborole Impurity D	impurities	174671-88-6	C ₇ H ₆ BF ₂ O ₂	151.93	4-Fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborole
Cinacalcet Impurity C	impurities	955373-56-5	C ₂₂ H ₂₁ ClF ₃ N	391.86	(R,E)-N-(1-(Naphthalen-1-yl)ethyl)-3-(3-(trifluoromethyl) phenyl)prop-2-en-1-amine HCl ;
Acyclovir Impurity G	impurities	75128-73-3	C ₁₂ H ₁₅ N ₅ O ₅	309.28	Acyclovir N,O-Diacetate ; 2-[[2-(Acetylamino)-6-oxo-1,6-dihydro-9H-purin-9-yl]methoxy]ethyl acetate

name	category	cas_number	mol_formula	mol_weight	synonym
Acyclovir Impurity I	impurities	1797832-75-7	C14H16N10O4	388.34	2-amino-9-((2-((2-amino-6-oxo-1,6-dihydro-7H-purin-7-yl)methoxy)ethoxy)methyl)-1,9-dihydro-6H-purin-6-one
Acyclovir Impurity O	impurities	NA	C9H13N5O4	'255.23	2-Amino-1,7-dihydro-7-[(2-hydroxyethoxy)methyl]-6H-purin-6-one; N7-[(2-Hydroxyethoxy)methyl]guanine;
Acyclovir Impurity N	impurities	N/A	C13H17N5O6	'339.30	(2-((2-acetamido-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy)ethoxy)methyl acetate
Acyclovir Impurity J	impurities	166762-90-9	C14H16N10O4	388.35	9,9'-((ethane-1,2-diylbis(oxy))bis(methylene))bis(2-amino-1,9-dihydro-6H-purin-6-one)
Atorvastatin Impurity I	impurities	125971-95-1	C40H47FN2O5	654.81	(4R,6R)-6-[2-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl-1,3-dioxane-4-acetic Acid 1,1-Dimethylethyl Ester
Enalapril maleate Impurity C	impurities	84680-54-6	C18H28N2O7	384.42	Enalaprilic Acid Dihydrate; (2S)-1-[(2S)-2-[[[(1S)-1-Carboxy-3-phenylpropyl]amino]propanoyl]pyrrolidine-2-carboxylic Acid Dihydrate;

name	category	cas_number	mol_formula	mol_weight	synonym
Enalapril maleate Impurity D	impurities	115729-52-7	C ₂₀ H ₂₆ N ₂ O ₄	358.43	aS,3S,8aS)-Hexahydro-3-methyl-1,4-dioxo-a-(2-phenylethyl)pyrrolo[[1,2-a]pyrazine-2(1H)-acetic Acid Ethyl Ester;
Enalapril maleate Impurity E	impurities	NA	C ₂₆ H ₃₂ N ₂ O ₅ . C ₄ H ₄ O ₄	568.61	(S)-1-[[[N-[[3-Phenyl-1-[[[(phenylethoxy)carbonyl]propyl]-L-alanyl]-L-proline;
Enalapril maleate Impurity F	impurities	76391-34-9	C ₂₂ H ₃₂ N ₂ O ₅ . C ₄ H ₄ O ₄	404.51 116.07	((S)-1-butoxy-1-oxo-4-phenylbutan-2-yl)-L-alanyl-L-proline
Enalapril maleate Impurity A	impurities	1356932-13-2	C ₂₀ H ₂₈ N ₂ O ₅ . C ₄ H ₄ O ₄	376.45 116.07	(2S)-1-[(2S)-2-[[[(1R)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino]propanoyl]pyrrolidine-2-carboxylic Acid; (S,S,R) Enalapril;
Enalapril maleate Impurity B	impurities	82717-96-2	C ₁₅ H ₂₁ NO ₄	279.33	(+)-N-[[[1-(S)-Ethoxycarbonyl-3-phenylpropyl]-L-alanine; (aS)-a-[[[[(1S)-1-Carboxyethyl]amino]benzenebutanoic Acid;
Lapatinib Impurity 1	impurities	1268997-70-1	C ₂₂ H ₂₁ ClN ₄ O ₄ S	472.95	2-chloro-4-((6-(5-(((2-(methylsulfonyl)ethyl)amino)methyl)furan-2-yl)quinazolin-4-yl)amino)phenol

name	category	cas_number	mol_formula	mol_weight	synonym
Lapatinib Impurity 2	impurities	1807733-95-4	C29H24ClFN4O4S	579.04	6-(4-((3-chloro-4-((3-fluorobenzyl)oxy)phenyl)amino)quinazolin-6-yl)-1-(2-(methylsulfonyl)ethyl)pyridin-1-ium-3-olate
Lapatinib Impurity 3	impurities	697299-82-4	C26H20ClFN4O2	474.91	6-[5-(aminomethyl)furan-2-yl]-N-[3-chloro-4-[(3-fluorophenyl)methoxy]phenyl]quinazolin-4-amine
Lapatinib Impurity 5	impurities	231278-84-5	C26H17ClFN3O4	489.89	5-(4-((3-chloro-4-((3-fluorobenzyl)oxy)phenyl)amino)quinazolin-6-yl)furan-2-carboxylic acid
Metformin Impurity A	impurities	461-58-5	C2H4N4	84.08	Metformin USP RC A ; 1-Cyanoguanidine ;
Metformin Impurity B	impurities	2959-04-8	C4H8N8	168.16	Guanylmelamine HCl ; (4,6-Diamino-1,3,5-triazin-2-yl)guanidine HCl ;
Metformin Impurity C	impurities	1985-46-2	C5H10N6	154.17	Metformin USP RC C ; N,N-Dimethyl-1,3,5-triazine-2,4,6-triamine ;
Metformin Impurity D	impurities	108-78-1	C3H6N6	126.12	Melamine ; 1,3,5-Triazine-2,4,6-triamine ;

name	category	cas_number	mol_formula	mol_weight	synonym
Metformin Impurity E	impurities	36801-25-9	C3H11N5O4S	213.22	Metformin USP RC B ; N-Desmethyl Metformin Sulfate ; 1-Methyl Biguanide Sulfate ;
Metformin Impurity F	impurities	506-59-2	C4H12N6	144.18	Dimethylamine HCl ;
Valsartan Related Compound A	impurities	137862-87-4	C24H29N5O3	435.52	N-(1-Oxopentyl)-N-[[2'-(2H-tetrazol-5- yl)[1,1'-biphenyl]-4-yl)methyl]-D-valine; CGP 49309;
Valsartan Related Compound B	impurities	952652-79-8	'C23H27N5O3	421.49	N-(1-Oxobutyl)-N-[[2'-(2H-tetrazol-5- yl)[1,1'-biphenyl]-4-yl)methyl]-L-valine; Valsartan Imp. C (EP).;
Valsartan Related Compound C	impurities	137863-20-8	C31H35N5O3	525.64	N-(1-Oxopentyl)-N-[[2'-(2H-tetrazol-5- yl)[1,1'-biphenyl]-4-yl)methyl]-L-valine Phenylmethyl Ester;
Atorvastatin Impurity A	impurities	433289-84-0	C33H35N2NaO5	562.63	Atorvastatin EP Impurity A (Sodium Salt) ; Atorvastatin USP Related Compound A ; Desfluoro Atorvastatin Sodium ;
Atorvastatin Impurity C	impurities	693794-20-6	C33H33F2N2NaO5	598.61	(β R, δ R)-2,3-Bis(4-fluorophenyl)- β , δ - dihydroxy-5-(1-methylethyl)-4- [(phenylamino)carbonyl]-1H-pyrrole-1- heptanoic acid hemicalcium salt

name	category	cas_number	mol_formula	mol_weight	synonym
Atorvastatin Impurity B	impurities	887196-25-0	C ₃₃ H ₃₄ Ca _{0.5} FN ₂ O ₅	577.67	(β R, δ R)-2-(4-Fluorophenyl)- β , δ - dihydroxy-5-(1-methylethyl)-3-phenyl-4- [(phenylamino)carbonyl]-1H-pyrrole-1- heptanoic acid hemicalcium salt
Ketone Impurity of Ezetimibe	impurities	191330-56-0	C ₂₄ H ₁₉ F ₂ NO ₃	407.41	(3R,4S)-1-(4-Fluorophenyl)-3-[3-(4- fluorophenyl)-3-oxopropyl]-4-(4- hydroxyphenyl)-2-azetidinone
N-Methyl Etodolac	impurities	849630-94-0	C ₁₈ H ₂₃ NO ₃	301.38	1,8-Diethyl-1,3,4,9-tetrahydro-9- methylpyrano[3,4]indole-1-acetic Acid;
Benzyl silodosin	impurities	160970-54-7	C ₂₅ H ₃₂ F ₃ N ₃ O ₄	495.53	2,3-Dihydro-1-(3-hydroxypropyl)-5-[(2R)- 2-[[2-[2-(2,2,2- trifluoroethoxy)phenoxy]ethyl]amino]propy l]-1H-indole-7-carboxamide;
Ornidazole Impurity A	impurities	1384752-15-1	C ₇ H ₈ CIN ₃ O ₂	201.61	α -(Chloromethyl)-2-methyl-4-nitro- imidazole-1-ethanol; 1-(3-Chloro-2- hydroxypropyl)-2-methyl-4-nitroimidazole;
Rosuvastatin EP-C	impurities	1422619-13-3	C ₂₂ H ₂₆ FN ₃ O ₆ S	479.52	(3R,6E)-7-[4-(4-Fluorophenyl)-6-(1- methylethyl)-2- [methyl(methylsulfonyl)amino]-5- pyrimidinyl]-3-hydroxy-5-oxo-6-heptenoic Acid;

name	category	cas_number	mol_formula	mol_weight	synonym
Rosuvastatin EP-G	impurities	1242184-42-4	C ₂₂ H ₂₈ FN ₃ O ₆ S	481.54	(3S,5R,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl (methyl sulfonyl) amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic acid calcium salt ;
Rosuvastatin (3R,5R)-Isomer	impurities	1094100-06-7	C ₂₂ H ₂₇ FN ₃ O ₆ S	480.53	(3R,5R,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl (methyl sulfonyl) amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic acid calcium salt ;
Riluzole Impurity B	impurities	144631-82-3	C ₈ H ₄ BrF ₃ N ₂ OS	313.1	4-Bromo-6-(trifluoromethoxy-2-benzothiazolamine
Methyl-5(6) [α-hydroxybenzyl] benzimidazole carbamate	impurities	60254-95-7	C ₁₆ H ₁₅ N ₃ O ₃	297.31	Methyl 5-[(RS)-α-hydroxybenzyl]-1H-benzimidazole-2-carbamate
2-amino-5(6)-benzoylbenzimidazole	impurities	52329-60-9	C ₁₄ H ₁₁ N ₃ O	237.262	(2-amino-3H-benzimidazol-5-yl)-phenylmethanone
Empagliflozin Impurity I	impurities	915095-94-2	C ₁₇ H ₁₆ ClI ₂ O ₂	414.67	3-(4-(2-chloro-5-iodobenzyl)phenoxy)tetrahydrofuran
Empagliflozin Impurity II	impurities	915095-87-3	C ₁₇ H ₁₄ ClI ₂ O ₃	428.65	(R)-(2-chloro-5-iodophenyl)(4-((tetrahydrofuran-3-yl)oxy)phenyl)methanone

name	category	cas_number	mol_formula	mol_weight	synonym
Empagliflozin Impurity III	impurities	N/A	C23H27ClO7	450.92	(1S)-1,5-Anhydro-1-C-[4-chloro-3-[[4- [[(3R)-tetrahydro-3- furan-3-yl]oxy]phenyl]methyl]phenyl]-D- glucitol;
Empagliflozin Impurity IV	impurities	N/A	C24H29ClO8	480.95	Empagliflozin Impurity 4;(3R,4S,5S,6R)-2- (4-chloro-3-(4-(((S)-tetrahydrofuran-3- yl)oxy)benzyl)phenyl)-6-(hydroxymethyl)- 2-methoxytetrahydro-2H-pyran-3,4,5-triol.
Empagliflozin Impurity V	impurities	864070-37-1	C19H21ClNO6	380.83	(1S)-1,5-Anhydro-1-C-[4-chloro-3-[(4- hydroxyphenyl)methyl]phenyl]-D-glucitol;
Empagliflozin Impurity VI	impurities	1620758-34-0	C25H29ClO8	492.96	
Empagliflozin Impurity VII	impurities	864070-37-1	C17H16BrClO2	367.67	(S)-3-(4-(5-Bromo-2- chlorobenzyl)phenoxy)tetrahydrofuran
2-Hydroxymethyl Rilpivirine	impurities	1798429-64-7	C22H18N6O	382.42	2,2'-[(4- Methoxyphenyl)carbonohydrasonoyl]bis(1 H-benzimidazole);
Memantine Acetamido impurity	impurities	19982-07-1	C14H23NO	221.34	1-Actamido-3,5-dimethyladmantane

name	category	cas_number	mol_formula	mol_weight	synonym
Amlodipine EP Impurity A	impurities	88150-62-3	C ₂₀ H ₂₃ ClN ₂ O ₅	406	2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-6-methyl-3,5-pyridinedicarboxylic Acid 3-Ethyl 5-Methyl Ester
Amlodipine EP Impurity B	impurities	721958-72-1	C ₂₉ H ₃₂ ClN ₃ O ₇ ;	570.03	3-Ethyl 5-methyl 4-(2-chlorophenyl)-6-methyl-2-[[2- [[2-(methylcarbamoyl)benzoyl]amino]ethoxy]methyl]-1,4- dihydropyridine-3,5-dicarboxylate ;
Amlodipine Methyl Ester	impurities	N/A	C ₂₅ H ₃₁ ClN ₂ O ₉	538.98	3,5-Pyridinedicarboxylic acid, 2-[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-, 5-methyl ester ;
Amlodipine Impurity D	impurities	113994-41-5	C ₂₀ H ₂₃ ClN ₂ O ₅	406.86	3-Ethyl 5-methyl 2-[(2-aminoethoxy)methyl]-4-(2- chlorophenyl)-6-methylpyridine-3,5-dicarboxylate oxalate salt ;
Memantine Bromo Impurity	impurities	941-37-7	C ₁₂ H ₁₉ Br	243.18	1-Bromo-3,5-dimethyl-tricyclo[3.3.1.1 ^{3,7}]decane; 1-Bromo-3,5-dimethyladamantane;

name	category	cas_number	mol_formula	mol_weight	synonym
Atorvastatin Epoxy Pyrrolooxazin 7- hydroxy Analog (Atorvastatin FX1 Impurity	impurities	1315629-79-8	C33H34FN2NaO7	612.62	1b-(4-Fluorophenyl)hexahydro- β ,7- dihydroxy-7-(1-methylethyl)-1a-phenyl-7a- [(phenylamino)carbonyl]-3H- oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3- butanoic acid sodium salt ;
4-(trifluoromethyl)- 3-nitrobenzoic acid	impurities	116965-16-3	C8H4F3NO4	235.12	3-Nitro-4-trifluoromethylbenzoic acid; 4- (Trifluoromethyl)-3-nitrobenzoic acid; Benzoic acid,3-nitro-4-(trifluoromethyl)-;
Atorvastatin FXA Impurity	impurities	1316291-19-6	C33H34FN2NaO7	612.62	4-{6-(4-Fluorophenyl)-7,8-epoxy-6- hydroxy-8a-isopropyl-7-phenyl-8- (phenylcarbonyl)hexahydro-2H - pyrrolo[2,1-b][1,3]oxazin-2-yl}-3- hydroxybutanoic acid sodium salt ;
Betahistine Impurity C	impurities	5452-87-9	C15H19N3	241.33	N-Methyl-2-(pyridin-2-yl)-N-[2-(pyridin- 2-yl)ethyl]ethanamine HCl ;
Gemcitabine Impurity C	impurities	114248-23-6	C ₉ H ₁₀ F ₂ N ₂ O ₅	264.18	2'-Deoxy-2',2'-difluorouridine; 2',2'- Difluorodeoxyuridine; Gemcitabine Impurity C (EP);

name	category	cas_number	mol_formula	mol_weight	synonym
2,6-Dimethyl aniline/Lidocaine Related Compound A	impurities	87-62-7	C ₈ H ₁₂ ClN	157.64	2,6-Dimethylaniline, 2,6-Xylidine, 2-Amino-1,3-dimethylbenzene, 2-Amino-m-xylene
Miconazole Nitrate Impurity A	impurities	24155-42-8	C ₁₁ H ₁₀ Cl ₂ N ₂ O	256.017	(1RS)-1-(2,4-Dichlorophenyl)-2-(1H-imidazol-1-yl)ethanol ; Tioconazole Imp. D (EP) ;
Miconazole Nitrate Impurity B	impurities	N/A	C ₁₈ H ₁₅ Cl ₃ N ₂ O . HNO ₃	381.69	1-[2-[(3-Chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]1H-Imidazole
Prednisolone Acetate (Ep Impurity C)	impurities	52-21-1	C ₂₃ H ₃₀ O ₆	402.48	(11β)-21-(Acetyloxy)-11,17-dihydroxypregna-1,4-diene-3,20-dione;
Prasugrel hydroxy thiolactone	impurities	947502-66-1	C ₁₈ H ₁₈ FNO ₃ S	347.4	5-[2-Cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl]-5,6,7,7a-tetrahydro-7a-hydroxythieno[3,2-c]pyridin-2(4H)-one;
Cyclopropyl 2- Fluorophenyl Diketone	impurities	1391054-37-7	C ₁₁ H ₉ FO ₂	192.18	1-Cyclopropyl-2-(2-fluorophenyl)ethan-1,2-dione; 2-Fluorophenyl Cyclopropyl Diketone;
Gliclazide EP Impurity A	impurities	70-55-3	C ₇ H ₉ NO ₂ S	171.22	4-Methylbenzenesulfonamide ;
2 chloro tritanol	impurities	66774-02-5	C ₁₉ H ₁₅ Cl O	294.0811	2-Chloro-2-methylpentane

name	category	cas_number	mol_formula	mol_weight	synonym
Benzylated ezetimibe	impurities	163222-32-0	C ₃₁ H ₂₇ F ₂ NO ₃	499.56	(3R,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-[4-(phenylmethoxy)phenyl]-2-azetidinone ;
Amiodarone Impurity A	impurities	23551-25-9	C ₂₅ H ₃₁ NO ₃	393.52	(2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]phenyl]methanone;
Amiodarone Impurity B	impurities	96027-74-6	C ₂₃ H ₂₆ ClI ₂ NO ₃	653.72	2-Butyl-3-benzofuranyl-4-[2-(ethylamino)ethoxy]-3,5-diiodophenyl Ketone Hydrochloride;
Amiodarone Impurity C	impurities	85642-08-6	C ₂₅ H ₃₀ I NO ₃	519.42	(2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3-iodophenyl]methanone;
Amiodarone Impurity F	impurities	147030-50-0	C ₁₉ H ₁₇ IO ₃	420.24	(2-Butyl-3-benzofuranyl)(4-hydroxy-3-iodophenyl)methanone; L 6424;
Amiodarone Impurity G	impurities	1087223-70-8	C ₂₆ H ₃₁ I ₂ NO ₄	675.34	[4-[2-(Diethylamino)ethoxy]-3,5-diiodophenyl][2-(1-methoxybutyl)-3-benzofuranyl]methanone;
Chlororanilin Impurity P	impurities	106-47-8	C ₆ H ₆ ClN	127.57	4-Chloroaniline, 4-Chloro-1-aminobenzene
BUDESONIDE IMPURITY A	impurities	13951-70-7	C ₂₁ H ₂₈ O ₆	376.44	(11 β ,16 α)-11,16,17,21-Tetrahydroxypregna-1,4-diene-3,20-dione;

name	category	cas_number	mol_formula	mol_weight	synonym
BUDESONIDE IMPURITY D	impurities	85234-63-5	C ₂₅ H ₃₂ O ₆	428.52	(11 β ,16 α)-16,17-[Butyridenebis(oxy)]-11-hydroxy-3,20-dioxopregna-1,4-dien-21-al;
BUDESONIDE IMPURITY F	impurities	638-94-8	C ₂₄ H ₃₂ O ₆	416.51	(11 β ,16 α)-11,21-Dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione;
BUDESONIDE IMPURITY K	impurities	51333-05-2	C ₂₇ H ₃₆ O ₇	472.57	(11 β ,16 α)-21-(Acetyloxy)-16,17-[butyridenebis(oxy)]-11-hydroxy-pregna-1,4-diene-3,20-dione;
Gliclazide EP Impurity A	impurities	70-55-3	C ₇ H ₉ NO ₂ S	171.22	4-Methylbenzenesulfonamide
Levodopa EP Impurity A	impurities	27244-64-0	C ₉ H ₁₁ NO ₅	213.19	2,4,5-Trihydroxy-L-phenylalanine; 2,4,5-Trihydroxyphenylalanine;
Levodopa EP Impurity B	impurities	60-18-4	C ₉ H ₁₁ NO ₃	181.19	(-)- α -Amino-p-hydroxyhydrocinnamic Acid; Therigon; p-Tyrosine;
Enzalutamide Impurity	impurities	1443331-78-9	C ₂₁ H ₁₆ F ₄ N ₄ O ₃	448.37	4-[3-[4-Cyano-3-(trifluoromethyl)phenyl]-5,5-dimethyl-2,4-dioxo-1-imidazolidinyl]-2-fluoro-N-methylbenzamide;
Guaifenesin Impurity B	impurities	14007-09-1	C ₁₀ H ₁₄ O ₄	198.22	3-(o-Methoxyphenoxy)-1,2-propanediol, Guaiacol Glyceryl Ether, Robitussin, Guaifenesin Impurity B,

name	category	cas_number	mol_formula	mol_weight	synonym
7 [5-amino-4-(4-amino-1,3-dioxisoindolin-2-yl)-5-oxopentanoic acid]/Pomalidomide Impurity	impurities	874760-72-2	C ₁₃ H ₁₅ N ₃ O ₄	277.28	(γ S)-4-Amino-γ -(aminocarbonyl)-1,3-dihydro-1-oxo-2H-isoindole-2-butanoic Acid;
Levothyroxine Impurity A	impurities	6893-02-3	C ₁₅ H ₁₂ I ₃ NO ₄	650.97	O-(4-Hydroxy-3-iodophenyl)-3,5-diiodo-L-tyrosine; Liothyronine; T3; L-T3;3,3',5-Triiodothyronine;
LIDOCAINE RELATED COMPOUND H	impurities	1131-01-7	C ₁₀ H ₁₂ ClNO	197.66	1-Chloroacetyl-amino-2,6-dimethylbenzene, 2-Chloro-2' ,6' -acetoxylidide, 2-Chloro-2' ,6' -dimethylacetanilide,
THIOLCHICOSIDE EP IMPURITY H	impurities	120511-72-0	C ₂₆ H ₃₁ NO ₁₀	517.53	10-Desmethoxycolchiside;(S)-7-amino-1,2-dimethoxy-3-(((2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-6,7-dihydrobenzo[[a]heptalen-9(5H)-one;
Hydroxychloroquine Impurity B	impurities	103152-84-7	C ₁₈ H ₂₆ ClN ₃ O ₄ S	415.93	2-((4-((7-Chloroquinolin-4-yl)amino)pentyl)(ethyl)amino)ethyl hydrogen sulfate;

name	category	cas_number	mol_formula	mol_weight	synonym
Benzydamine Impurity B	impurities	N/A	C ₂₆ H ₂₉ N ₃ O	399.54	5-Benzyl Benzydamine
Diethanolamine Fusidate	impurities	16391-75-6	C ₃₁ H ₄₈ O ₆ C ₄ H ₁₁ NO ₂	516.7110514	(3,4 α ,8 α ,9 β ,11 α ,13 α ,14 β ,16 β ,17Z)-16-(Acetyloxy)-3,11-dihydroxy-29-nordammara-17(20),24-dien-21-oic Acid compd. with 2,2'-Iminobis[ethanol];
Alosetron HCl Impurity	impurities	128486-89-5	C ₁₇ H ₁₈ N ₄ O ₂	310.35	2,3,4,5-Tetrahydro-5-methyl-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1H-pyrido[4,3-b]indol-1-one Hydrochloride;
Benzydamine Impurity C	impurities	2215-63-6	C ₁₄ H ₁₂ N ₂ O	224.26	1,2-Dihydro-1-(phenylmethyl)-3H-indazol-3-one; 1-Benzyl-1,2-dihydro-3H-indazol-3-one;
Ciprofloxacin Impurity C	impurities	103222-12-4	C ₁₅ H ₁₇ ClFN ₃ O ₃	341.77	BAY-r 3964, M1-Ciprofloxacin, 7-[(2-Aminoethyl)amino]-1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic Acid;
Ketoprofen Impurity A	impurities	66067-44-5	C ₁₅ H ₁₂ O ₂	224.26	1-(3-Benzoylphenyl)ethanone; 3-Benzoylacetophenone;
Amlodipine EP Impurity F Maleate	impurities	140171-66-0	C ₁₉ H ₂₃ ClN ₂ O ₅	394.85	2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic Acid 3,5-dimethyl Ester;

name	category	cas_number	mol_formula	mol_weight	synonym
Amlodipine EP Impurity D HCl	impurities	113994-41-5 (free base)	C ₂₀ H ₂₃ ClN ₂ O ₅	406.86	2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-6-methyl-3,5-pyridinedicarboxylic Acid 3-Ethyl 5-Methyl Ester Oxalate;
Amlodipine EP Impurity G	impurities	43067-01-2	C ₁₇ H ₁₈ ClNO ₄	335.78	4-(2-Chlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic Acid 3,5-Dimethyl Ester;
Amlodipine Impurity 29(93848-82-9)	impurities	93848-82-9	C ₂₂ H ₂₇ ClN ₂ O ₆	450.92	
Amlodipine Impurity 27 Disodium Salt(120289-11-4)	impurities	120289-11-4 (free Acid)	C ₁₉ H ₁₈ ClNO ₇ . 2 Na	407.81 2 22.99	
Amlodipine Impurity 25	impurities	NA	C ₂₇ H ₂₅ ClN ₂ O ₇	524.95	
Amlodipine Impurity 24	impurities	NA	C ₁₃ H ₁₃ NO ₄	247.25	
Amlodipine Impurity 19	impurities	NA	C ₂₆ H ₂₉ ClN ₂ O ₇ S	549.04	

name	category	cas_number	mol_formula	mol_weight	synonym
Amlodipine Impurity 6	impurities	3891-07-4	C ₁₀ H ₉ NO ₃	191.19	(N-(2-Hydroxyethyl)phthalimide)
Amlodipine Aspartic Acid Impurity	impurities	400602-35-9	C ₂₄ H ₂₉ ClN ₂ O ₉	524.96	3,5-Pyridinedicarboxylic acid, 4-(2-chlorophenyl)-2-[[2-[(1,2-dicarboxyethyl)amino]ethoxy]methyl]-1,4-d
Lamivudine Impurity A	impurities	173829-09-9	C ₈ H ₉ N ₃ O ₄ S	243.24	(2R-cis)-5-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1,3-oxathiolane-2-carboxylic Acid;
Amlodipine EP Impurity C Maleate	impurities	721958-74-3	C ₂₂ H ₃₀ ClN ₃ O ₆	467.94	2,6-Bis[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-3,5-pyridinedicarboxylic Acid 3-Ethyl 5-Methyl Ester;
Saxagliptin Amide Impurity	impurities	1496712-39-0	C ₁₈ H ₂₃ N ₃ O ₂	313.4	(1S,3S,5S)-2-((R)-2-amino-2-((1s,3R,5S,7S)-4-oxadamantan-1-yl)acetyl)-2-azabicyclo[3.1.0]hexane-3-carbonitrile
Amlodipine EP Impurity E Maleate(diethyl ester)	impurities	140171-65-9	C ₂₁ H ₂₇ ClN ₂ O ₅	422.9	2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic Acid 3,5-Diethyl Ester;

name	category	cas_number	mol_formula	mol_weight	synonym
Lamotrigine EP Impurity A	impurities	252186-78-0	C ₉ H ₆ Cl ₂ N ₄ O	257.08	3-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-5(2H)-one;
Dianisylglycerol	impurities	16929-60-5	C ₁₇ H ₂₀ O ₅	304.34	1,3-Bis(2-methoxyphenoxy)-2-propanol ;
Risperidone Impurity E/6-Methyl Risperidone	impurities	1346602-28-5	C ₂₄ H ₂₉ FN ₄ O ₂	424.51	3-[2-4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl-6,7,8,9-tetrahydro-2,6-dimethyl-4H-pyrido[1,2-a]pyrimidin-4-one;
Risperidone Desfluoro	impurities	106266-09-5	C ₂₃ H ₂₈ N ₄ O ₂	392.49	3-[2-[4-(1,2-Benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one;
Risperidone Difluoro	impurities	158697-67-7	C ₂₃ H ₂₇ F ₂ N ₃ O ₂	415.48	Risperidone Difluoro Acetyl Impurity ; 4-(2,4-Difluorobenzoyl)-N-acetylpiperidine
Risperidone Z-Oxime Impurity	impurities	132961-05-8	C ₂₃ H ₂₈ F ₂ N ₄ O ₂	430.49	3-[2-[4-[(Z)-(2,4-Difluorophenyl)(hydroxyimino)methyl]-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one;
Enalapril EP Impurity A Maleate ((S,S,R)-Enalapril Maleate)	impurities	76420-74-1	C ₂₀ H ₂₈ N ₂ O ₅ . C ₄ H ₄ O ₄	376.45 116.07	N-[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]-L-alanyl-L-proline (2Z)-2-Butenedioate; Acapril; Acetensil;

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2-(2-Chloroethoxy) ethanol	impurities	5197-62-6	C ₄ H ₉ ClO ₂	124.57	Diglycol chlorohydrin; Ethanol, 2-(2-chloroethoxy)-; Diglycol chlorhydrin;
Rosuvastatin dehydro Analog	impurities	1659301-59-3	C ₂₂ H ₂₅ FN ₃ NaO ₅ S	485.5	N-[4-(4-Fluorophenyl)-6-(1-methylethyl)-5-[(1E)-2-[(2S,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethenyl]-2-pyrimidinyl]-N-methylmethanesulfonamide ;
Piperquine Impurity 1	impurities	837-52-5	C ₁₃ H ₁₄ ClN ₃	247.73	[7-Chloro-4-(Piperazinyl)quinoline]
Clopidogrel Related CompoundA	impurities	144750-42-5	C ₁₅ H ₁₄ ClNO ₂ S · HCl	344.26	(S)-(2-Chlorophenyl)-6,7-dihydrothieno[3,2-c]pyridine-5(4H)-acetic acid hydrochloride
Diclofenac Impurity F	impurities	560075-65-2	C ₁₄ H ₁₀ Cl ₃ NO	314.59	2,6-Dichloro-N-(4-chlorophenyl)-benzeneacetamide
Irbesartan Impurity A	impurities	748812-53-5	C ₂₅ H ₃₀ N ₆ O ₂	446.54	1-[(1-Oxopentyl)amino]-N-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-cyclopentanecarboxamideUSP Irbesartan USP Related Compound;
Tenfovir Impurity B	impurities	4121-40-8	C ₈ H ₉ N ₅	175.19	9-(1-Propen-1-yl)-9H-purin-6-amine; 9-(1-Propenyl)-9H-purin-6-amine;

name	category	cas_number	mol_formula	mol_weight	synonym
Fluconazole Impurity D	impurities	81886-51-3	C ₁₃ H ₁₃ FN ₆ O	288.28	α -(4-Fluorophenyl)- α -(1H-1,2,4-triazol-1-ylmethyl)-1H-1,2,4-Triazole-1-ethanol;
Azithromycin Impurity J	impurities	117693-41-1	C ₃₀ H ₅₈ N ₂ O ₉	590.79	(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-Ethyl-3,4,10,13-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)- β -D-xylohexopyranosyl]oxy]-1-oxa-6-azacyclopentadecan-15-one;
Lamivudine Impurity H	impurities	160552-54-5	C ₈ H ₁₁ N ₃ O ₄ S	245.26	Lamivudine (R)-S-Oxide; 4-Amino-1-[(2R,3R,5S)-2-(hydroxymethyl)-3-oxido-1,3-oxathiolan-5-yl]-2(1H)-pyrimidinone;
Clopidogrel Related Compound B	impurities	144750-52-7	C ₁₆ H ₁₇ Cl ₂ NO ₂ S	358.28	(RS)-Methyl (2-chlorophenyl)-4,5-dihydrothieno[2,3- <i>c</i>]pyridine-6(7 <i>H</i>)-acetate hydrochloride

name	category	cas_number	mol_formula	mol_weight	synonym
Clarithromycin Impurity	impurities	127182-43-8	C ₃₇ H ₆₈ N ₂ O ₁₃	748.94	(3R,4S,5S,6R,7R,9R,11S,12R,13S,14R,E)-14-ethyl-12,13-dihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-6-(((2S,3R,4S,6R)-3-hydroxy-6-methyl-4-(methylamino)tetrahydro-2H-pyran-2-yl)oxy)-10-(hydroxyimino)-7-methoxy-3,5,7,9,11,13-hexamethyloxacyclotetradecan-2-one
Clarithromycin Impurity	impurities	127253-06-9	C ₃₈ H ₇₀ N ₂ O ₁₃	762.96	Clarithromycin E-9-Oxime; Clarithromycin (9E)-Oxime; 6-O-Methylerythromycin 9-Oxime;
Clarithromycin Impurity	impurities	127182-44-9	C ₃₉ H ₇₂ N ₂ O ₁₃	776.99	Clarithromycin EP impurity G; ClarithrE)-O-Methyloxime; 6-O-Methylerythrthyloxime);
Risperidone E -oxime	impurities	691007-09-7	C ₂₃ H ₂₈ F ₂ N ₄ O ₂	430.49	3-[2-[4-[(E)-(2,4-Difluorophenyl)(hydroxyimino)methyl]-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one;
Rosuvastatin anti-Isomer Calcium Salt	impurities	1094100-06-7 (acid)	C ₂₂ H ₂₇ FN ₃ O ₆ S	480.53	(3R,5R,E)-7-(4-(4-Fluorophenyl)-6-isopropyl-2-(N-methylmethylsulfonamido)pyridimidin-5-yl)-3,5-dihydroxyhept-6-enoic acid; Rosuvastatin (3R,5R)-Isomer Calcium



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name	category	cas_number	mol_formula	mol_weight	synonym
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