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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL760001	Abacavir	Abacavir Impurity B / Abacavir O-Pyrimidine Impurity	1443421-69-9
VL760002	Abacavir	Cyclopropyldiaminopurine Abacavir	120503-69-7
VL760003	Abacavir	T-Butyl Derivative Abacavir	1443421-68-8
VL760004	Abacavir	Ethanolate Of Abacavir	N/A
VL760005	Abacavir	Abacavir Impurity D / ABCRC-8	N/A
VL760006	Abacavir	Descyclopropyl Abacavir	124752-25-6
VL760007	Abacavir	Trans-Abacavir	267668-71-3
VL760008	Abacavir	3-Hydroxyabacavir	N/A
VL760009	Abacavir	Abacavir Enantiomer	136470-79-6
VL830001	Abiraterone	7-Keto Abiraterone Acetate	N/A
VL830002	Abiraterone	Abiraterone N-Oxide Impurity	N/A
VL830003	Abiraterone	16-Dehydro Pregnenolone Acetate Oxime / DHPG Oxime Acetate	2174-13-2
VL830004	Abiraterone	16-Dehydro Pregnenolone Acetate / DHPG Acetate	979-02-2
VL830005	Abiraterone	Abiraterone Hydrazine	N/A
VL830006	Abiraterone	Abiraterone Hydroxylamine Hydrochloride	N/A
VL830007	Abiraterone	Abiraterone Isopropyl Bromide	N/A
VL4720001	Acamprosate	Acamprosate EP Impurity A	N/A
VL284001	Aceclofenac	Aceclofenac Impurity F	100499-89-6
VL284002	Aceclofenac	Aceclofenac Impurity D	139272-66-5
VL284003	Aceclofenac	Aceclofenac Impurity E / Ethyl Ester	139272-67-6
VL284004	Aceclofenac	Aceclofenac Impurity I / Diclofenac EP A / Aceclofenac Related Compound A	15362-40-0
VL284005	Aceclofenac	Aceclofenac Impurity B / Diclofenac Methyl Ester	15307-78-5
VL284006	Aceclofenac	Aceclofenac Impurity C	15307-77-4
VL284007	Aceclofenac	Aceclofenac Impurity A / Diclofenac Sodium	15307-86-5
VL284008	Aceclofenac	Aceclofenac Impurity H	1216495-92-9
VL284009	Aceclofenac	Aceclofenac EP Impurity G	1215709-75-3
VL284010	Aceclofenac	Aceclofenac Tert butyl ester	139272-68-7

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VL2320001	Acenocoumarol	Acenocoumarol 4-Hydroxy Coumarin (G 22411)	1076-38-6
VL2320002	Acenocoumarol	Acenocoumarol 4 nitrobenzalacetone	3490-37-7
VL2320003	Acenocoumarol	Acenocoumarol 4 nitrobenzaldehyde	555-16-8
VL3340001	Acesulfame	Acesulfame Ptassium Impurity A	5977-14-0
VL3290001	Acetaminophen	Acetaminophen Dimer 1 Impurity	98966-14-4
VL3290002	Acetaminophen	Acetaminophen Related Compound D	103-84-4
VL3290003	Acetaminophen	Acetaminophen Related Compound B	1693-37-4
VL3290004	Acetaminophen	Acetaminophen Related Compound C	614-80-2
VL3290005	Acetaminophen	Acetaminophen Related Compound J	539-03-7
VL11001	Acetazolamide	Acetazolamide Impurity A / Acetazolamide Related Compound C	60320-32-3
VL11002	Acetazolamide	Acetazolamide Impurity E	827026-60-8
VL11003	Acetazolamide	Acetazolamide Impurity B	5393-55-5
VL11004	Acetazolamide	Acetazolamide Impurity C	32873-56-6
VL11005	Acetazolamide	Acetazolamide Impurity D	14949-00-9
VL11006	Acetazolamide	Acetazolamide Impurity G	2349-67-9
VL11007	Acetazolamide	Acetazolamide Impurity F / Dimer Impurity	80495-47-2
VL11008	Acetazolamide	Acetazolamide Disulphide	99055-56-8
VL1230001	Acetophenone	P-Methoxy Acetophenone	100-06-1
VL1350001	Acetylcysteine	Acetylcysteine Impurity A	56-89-3
VL1350002	Acetylcysteine	Acetylcysteine Impurity B	52-90-4
VL1350003	Acetylcysteine	Acetylcysteine Impurity C	5545-17-5
VL1350004	Acetylcysteine	Acetylcysteine Impurity D	18725-37-6
VL1350005	Acetylcysteine	N-acetyl-L-cysteine	616-91-1
VL790001	Acrivastine	Acrivastine Impurity 1	N/A
VL790002	Acrivastine	Acrivastine Impurity 2	N/A
VL790003	Acrivastine	Acrivastine Impurity 3	N/A
VL790004	Acrivastine	Acrivastine Impurity 4	N/A
VL790005	Acrivastine	Acrivastine Impurity 5	N/A
VL13001	Acyclovir	Acyclovir Impurity A / O-Acetyl Acyclovir	102728-64-3
VL13002	Acyclovir	Acyclovir Impurity C / 7-Acyclovir Impurity	91702-61-3
VL13004	Acyclovir	Acyclovir Impurity J / Acyclovir Dimer Impurity	166762-90-9
VL13005	Acyclovir	Acyclovir Impurity K	1797131-64-6
VL13006	Acyclovir	Acyclovir Impurity C	91702-61-3

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VL13007	Acyclovir	Acyclovir Impurity F / N-Acetyl Acyclovir	110104-37-5
VL13010	Acyclovir	Dimer of Acyclovir	N/A
VL13011	Acyclovir	Acyclovir Impurity G / 9-Acetyl Acyclovir	75128-73-3
VL13012	Acyclovir	Acyclovir Impurity P	23169-33-7
VL13013	Acyclovir	Acyclovir Impurity L / Guanine	3056-33-5
VL13014	Acyclovir	Acyclovir Impurity B	73-40-5
VL13016	Acyclovir	Acyclovir Impurity M	91702-60-2
VL13017	Acyclovir	Acyclovir Impurity O	N/A
VL13018	Acyclovir	Acyclovir Impurity R	N/A
VL13019	Acyclovir	Acyclovir Impurity N	N/A
VL13020	Acyclovir	Acyclovir Impurity I	1797832-75-7
VL13021	Acyclovir	Acyclovir Impurity D	59277-91-7
VL13022	Acyclovir	Acyclovir Impurity H	133186-23-9
VL13023	Acyclovir	Acyclovir Impurity Q	N/A
VL13024	Acyclovir	Acyclovir Impurity E	374697-95-7
VL13025	Acyclovir	Acyclovir Impurity 2	19962-37-9
VL3420001	Adapalene	Adapalene Impurity A	932033-58-4
VL3420002	Adapalene	Adapalene Impurity D	932033-57-3
VL3420003	Adapalene	Adapalene Impurity B	1346599-76-5
VL3420004	Adapalene	Adapalene Impurity C	43109-77-9
VL3420005	Adapalene	Adapalene BAD-I (2-(1-Adamantyl)-4-bromoanisole)	N/A
VL3420006	Adapalene	Hydroxy Adapalene	N/A
VL3420007	Adapalene	Adapalene Hydrolyzed BAD-II	N/A
VL1840001	Agomelatine	Agomelatine Impurity 2	178677-39-9
VL960001	Albendazole	Albendazole Impurity-A	80983-36-4
VL960002	Albendazole	Albendazole Impurity-B / Sulfoxide	54029-12-8
VL960003	Albendazole	Albendazole Impurity-C	75184-71-3
VL960004	Albendazole	Albendazole Impurity-D	80983-34-2
VL960005	Albendazole	Albendazole Impurity-E	10605-21-7
VL960006	Albendazole	Albendazole Impurity-F	80983-45-5
VL960007	Albendazole	Albendazole Impurity	N/A
VL960008	Albendazole	Albedazole Analytical Standard	54965-21-8
VL960010	Albendazole	Albendazole Impurity K	N/A
VL960011	Albendazole	Albendazole Impurity L	108579-67-5
VL960012	Albendazole	Albendazole Impurity I	20559-55-1
VL960013	Albendazole	Albendazole Impurity J	946498-41-5
VL960014	Albendazole	Albendazole EP Impurity G / Inhouse Impurity H	139751-05-6
VL960015	Albendazole	4-Chlorocarbendazole	N/A

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VL960016	Albendazole	Albendazole Impurity 6 / Calcium Cyanamide	156-62-7
VL960017	Albendazole	Albendazole Impurity 4 / 2-nitro aniline	88-74-4
VL259001	Alfuzosin	Alfuzosin Hydrochloride	81403-68-1
VL259002	Alfuzosin	Alfuzosin Impurity A	98902-29-5
VL259003	Alfuzosin	Alfuzosin Impurity D / Deacylated Impurity	81403-69-2
VL259004	Alfuzosin	Alfuzosin Impurity E	1026411-59-5
VL259005	Alfuzosin	Alfuzosin Impurity F	19216-53-6
VL259008	Alfuzosin	Alfuzosin Impurity B	23680-84-4
VL259009	Alfuzosin	Alfuzosin impurity C	72104-34-8
VL259010	Alfuzosin	Alfuzosin Impurity G	928780-95-4
VL1430001	Allopurinol	Allopurinol Impurity F	0302-01-02
VL1430002	Allopurinol	Allopurinol Impurity B	22407-20-1
VL1430003	Allopurinol	Allopurinol Impurity C / Allopurinol Related Compound C	1346604-13-4
VL1430004	Allopurinol	Allopurinol Impurity E	31055-19-3
VL1430005	Allopurinol	Allopurinol Impurity D	6994-25-8
VL264001	Almotriptan	Almotriptan Impurity A	1018676-02-2
VL264002	Almotriptan	Almotriptan Impurity B	181178-24-5
VL264003	Almotriptan	Almotriptan Impurity C	603137-43-5
VL264004	Almotriptan	Almotriptan Related Compound D	603137-43-5
VL1730001	Alosetron	Alosetron Impurity D	N/A
VL1730002	Alosetron	Alosetron Impurity A	128486-89-5
VL1730003	Alosetron	Alosetron Impurity B	863485-44-3
VL4410001	Alprazolam	Alprazolam Related Compound A	28910-89-6
VL2290001	Amantadine	Amantadine Impurity 2	702-77-2
VL2290002	Amantadine	Amantadine Impurity 3	878-61-5
VL219001	Ambroxol	Ambroxol Impurity A	50739-76-9
VL219002	Ambroxol	Ambroxol Impurity B	18683-95-9
VL219003	Ambroxol	Ambroxol Impurity C	50910-53-7
VL219004	Ambroxol	Ambroxol Impurity D	107814-37-9
VL219005	Ambroxol	Ambroxol Impurity E	50910-55-9
VL219006	Ambroxol	Ambroxol Amino Compound	N/A
VL219007	Ambroxol	Ambroxol HCl Impurity	N/A
VL4630001	Amiloride	Amiloride Related Compund A	1458-01-01
VL4630002	Amiloride	Amilororide EP B impurity (Free Base)	N/A
VL4630003	Amiloride	Amiloride EP Impurity B (Sodium Slat)	N/A
VL4630004	Amiloride	Amiloride EP Impurity B (HCL Salt)	N/A

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VL4630006	Amiloride	Amiloride Impurity C	1207-29-0
VL2710001	Aminocaproic Ac	Aminocaproic Acid Dimer Impurity	2014-58-6
VL2710002	Aminocaproic Ac	Aminocaproic Acid Trimer Impurity	5776-78-3
VL2710003	Aminocaproic Ac	Aminocaproic Acid Caprolactum	105-60-2
VL1390001	Amiodarone	Amiodarone Impurity A	95820-13-6
VL1390002	Amiodarone	Amiodarone Impurity B	96027-74-6
VL1390003	Amiodarone	Amiodarone Impurity C	85642-08-6
VL1390004	Amiodarone	Amiodarone Impurity F	147030-50-0
VL1390005	Amiodarone	Amiodarone Impurity D	1951-26-4
VL1390006	Amiodarone	Amiodarone Impurity E	52490-15-0
VL1390007	Amiodarone	Amiodarone Impurity G	1087223-70-8
VL1390008	Amiodarone	Amiodarone Impurity H	869-24-9
VL19001	Amlodipine	Amlodipine Impurity D / Amlodipine Related Compound A	113994-41-5
VL19002	Amlodipine	Amlodipine Related Compound B / Amlodipine EP Impurity B / Methylamino	721958-72-1
VL19003	Amlodipine	Amlodipine Related Compound C / Amlodipine EP Impurity G	721958-74-3
VL19004	Amlodipine	Amlodipine Related Compound D / Amlodipine Impurity A / pathaloyl	88150-62-3
VL19005	Amlodipine	Amlodipine Related Compund E / Amlodipine EP Impurity E	140171-65-9
VL19006	Amlodipine	Amlodipine Related Compound F / Amlodipine EP Impurity F / Dimethoxy Amlodipine	140171-66-0
VL19007	Amlodipine	Amlodipine Related Compound H	318465-73-5
VL19009	Amlodipine	Amlodipine Impurity 18	1821498-25-2
VL19010	Amlodipine	Amlodipine N-Alkyl Impurity	N/A
VL19011	Amlodipine	Amlodipine Methyl Ester Analogue	N/A
VL19012	Amlodipine	Amlodipine Deschloro Impurity	88150-52-1
VL19013	Amlodipine	Amlodipine Mannitol Adduct	N/A
VL19014	Amlodipine	Amlodipine Ethyl Besylate	515-46-8

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VL19015	Amlodipine	Amlodipine impurity D as Oxalate Salt	1216406-90-4
VL19016	Amlodipine	Amlodipine Impurity 22	93848-82-9
VL19017	Amlodipine	Amlodipine Impurity 24	34148-67-9
VL19018	Amlodipine	Amlodipine Impurity 20	70677-78-0
VL19019	Amlodipine	Amlodipine Impurity 6	3891-07-4
VL19020	Amlodipine	Amlodipine Lactose adduct	N/A
VL19021	Amlodipine	Amlodipine Galactose adduct	N/A
VL19022	Amlodipine	N-Fomyl Amlodipine	93848-81-8
VL19023	Amlodipine	Amlodipine Impurity D / Related Compound A (Free Base)	N/A
VL19024	Amlodipine	Amlodipine EP impurity D / Related Compound A Fumarate salt	N/A
VL1970001	Amoxicillin	Amoxicillin Related Compound A	1789703-32-7
VL1970002	Amoxicillin	Amoxicillin Related Compound D	1642559-71-4
VL1970003	Amoxicillin	Amoxicillin Related Compound B / Amoxicillin EP Impurity B	26889-93-0
VL1970004	Amoxicillin	Amoxicillin Related Compound C / Amoxicillin EP Impurity C	2088961-37-7
VL1970005	Amoxicillin	Amoxicillin Related Compound E	1356020-01-3
VL1970006	Amoxicillin	Amoxicillin Related Compound F	126247-63-0
VL1970007	Amoxicillin	Amoxicillin Related Compound G / Amoxicillin EP Impurity G	188112-75-6
VL1970008	Amoxicillin	Amoxicillin Related Compound H / Amoxicillin EP Impurity H	205826-86-4
VL1970009	Amoxicillin	Amoxicillin Related Compound I / Amoxicillin EP Impurity I	22818-40-2
VL1970010	Amoxicillin	Amoxicillin Related Compound J / Amoxicillin EP Impurity J	2088961-37-7
VL1970011	Amoxicillin	Amoxicillin Impurity L	1789703-32-7
VL1970012	Amoxicillin	Amoxicillin Related Compound D & E Mixture	N/A
VL1970013	Amoxicillin	Amoxicillin Beta-penicilloic acid	N/A
VL3210001	Amphotericin	Amphotericin Impurity B	N/A

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VL2810001	Anagrelide	Anagrelide Impurity A	N/A
VL2810002	Anagrelide	Anagrelide Impurity B	N/A
VL2810003	Anagrelide	Anagrelide Impurity C	N/A
VL2810004	Anagrelide	Anagrelide OpenRing Methylester	752151-24-9
VL2810005	Anagrelide	Anagrelide Trichlor Derivative	1092352-99-2
VL246001	Anamica	Anamica Impurity / O-Fluro Nitrobenzene	1493-27-2
VL2490001	Anastrozole	Anastrozole Related Compound B	1215780-15-6
VL2490002	Anastrozole	Anastrozole Monoamide Mononitrile	120512-03-0
VL2490003	Anastrozole	Anastrozole Diamide	120512-04-1
VL2490004	Anastrozole	Anastrozole Diacid	1338800-81-9
VL3170001	Apixaban	Apixaban Impurity A	503614-92-4
VL3170002	Apixaban	Apixaban Impurity B	N/A
VL3170003	Apixaban	Apixaban Impurity C	N/A
VL3170004	Apixaban	Apixaban Impurity D	N/A
VL1110001	Aprepitant	Aprepitant Related Compound A / Aprepitant Impurity E	1148113-53-4
VL1110002	Aprepitant	Aprepitant Related Compound B / Aprepitant Impurity D	172822-29-6
VL1110003	Aprepitant	Aprepitant Impurity A / Desfluoro Aprepitant	170729-76-7
VL1110004	Aprepitant	Aprepitant impurity-A (In House)	N/A
VL1110005	Aprepitant	Aprepitant Fosaprepitant Dimeglumine Impurity C	265121-04-8
VL197001	Aripiprazole	Aripiprazole Dimer / Aripiprazole 4,4' - Dimer /Aripiprazole EP Impurity G	1797986-18-5
VL197002	Aripiprazole	N,N-Bis(2-Bromoethyl)Amine HCl	821-48-7
VL197003	Aripiprazole	2,7-Dihydroxy Quinoline	70500-72-0
VL197004	Aripiprazole	7-(4-Chlorobutoxy)Quinolin-2(1H)-One	120004-79-7
VL197005	Aripiprazole	Aripirazole Related Compound E	N/A
VL197006	Aripiprazole	Aripiprazole Related Compound-A	N/A
VL197007	Aripiprazole	Aripiprazole Related Compound G / Dehydro	129722-25-4

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VL197008	Aripiprazole	Aripiprazole Related Compound F / Aripiprazole Impurity F	573691-09-5
VL197009	Aripiprazole	Aripiprazole Impurity D	203395-82-8
VL197010	Aripiprazole	Aripiprazole EP Impurity A	22246-18-0
VL197011	Aripiprazole	Aripiprazole Diquinoline Butanediol Impurity (USP)	882880-12-8
VL197012	Aripiprazole	Aripiprazole EP Impurity C	203395-81-7
VL197013	Aripiprazole	Aripiprazole EP Impurity B	119532-26-2
VL197014	Aripiprazole	Aripiprazole USP Related Compound B	889443-20-3
VL197015	Aripiprazole	Aripiprazole USP Related Compound H	1796928-63-6
VL197016	Aripiprazole	Aripiprazole(N1-(2-Chloroethyl)-N2-(2,3-dichlorophenyl)ethane-1,2-diamine	N/A
VL197017	Aripiprazole	Bis (2,3-Dichlorophenyl) piperazine Aripiprazole Impurity	N/A
VL197018	Aripiprazole	Aripiprazole Impurity 4 / Chlorobutoxyquinoline (USP)	120004-79-7
VL197019	Aripiprazole	Aripiprazole 3 ,4 dichlorophenyl piperzine Impurity	57260-67-0
VL197020	Aripiprazole	Aripiprazole Bromobutoxyquinoline Impurity	129722-34-5
VL197021	Aripiprazole	Aripiprazole Iodobutoxyquinoline Impurity	952308-47-3
VL197022	Aripiprazole	Aripiprazole Butanoic Acid Impurity	58899-27-7
VL4140001	Artemether	Artemether EP Impurity A	1093625-96-7
VL4140002	Artemether	Artemether Impurity 1	N/A
VL4140003	Artemether	Artemether Impurity C	181528-64-3
VL258001	Ascorbic	Ascorbic Acid	50-81-7
VL380001	Asenapine	Asenapine N-Oxide Impurity	128949-51-9
VL380002	Asenapine	N-Desmethyl Asenapine	1170701-78-6
VL380003	Asenapine	Asenapine Deschloro	N/A
VL380004	Asenapine	Cis-Asenapine	65621-78-5
VL380005	Asenapine	Tetradehydro Asenapine	129385-60-0
VL380006	Asenapine	Fumaric Acid	110-17-8
VL280001	Aspartame	Aspartame Impurity B	13433-09-5
VL280002	Aspartame	Aspartame Impurity C	N/A

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VL280003	Aspartame	Aspartame Related Compound A / Aspartame EP Impurity A	5262-10-2
VL280004	Aspartame	Rac-Aspartame EP Impurity C	150-30-1
VL280002	Aspartame	Aspartame Impurity C	N/A
VL530001	Aspirin	4-Hydroxybenzoic Acid / Aspirin EP Impurity A	99-96-7
VL530002	Aspirin	Acetylsalicylic Anhydride / Aspirin Impurity F	1466-82-6
VL530003	Aspirin	Acetylsalicylic Acid / Aspirin EP Impurity D	530-75-6
VL530004	Aspirin	Aspirin EP Impurity E / Salicyl Salicyclic Acid	552-94-3
VL530005	Aspirin	Aspirin Impurity B / 4-Hydroxyisophthalic acid	636-46-4
VL530006	Aspirin	Aspirin Impurity C / Salicylic acid	69-72-7
VL2230001	Atazanavir	Atazanavir Impurity B	198904-85-7
VL2230002	Atazanavir	Atazanavir Impurity C	98760-08-8
VL2230003	Atazanavir	Atazanavir Impurity D	N/A
VL2230004	Atazanavir	Atazanavir Impurity A	N/A
VL2230005	Atazanavir	Atazanavir Related Compound 1	N/A
VL2230006	Atazanavir	Atazanavir Related Compound 2	N/A
VL2230007	Atazanavir	Atazanavir Related Compound 3	N/A
VL2230008	Atazanavir	(9R)-Benzyl Atazanavir Isomer Impurity	N/A
VL2230009	Atazanavir	Atazanavir Impurity H / S,R,R,S Diasteromer	N/A
VL2230010	Atazanavir	Atazanavir Impurity / Pyridinyl benzoic acid	4385-62-0
VL500001	Atenolol	Atenolol Bis Ether / Atenolol Impurity E	141650-31-9
VL500002	Atenolol	Atenolol Blocker Acid / Atenolol Impurity G	56392-14-4
VL500003	Atenolol	Atenolol Tertiary Amine / Atenolol EP Impurity F	87619-83-8
VL500004	Atenolol	Atenolol Impurity A / P-Hydroxyphenylacetamide	17194-82-0
VL500005	Atenolol	Atenolol Impurity B	61698-76-8
VL500006	Atenolol	Atenolol Impurity C	29122-69-8
VL500007	Atenolol	Atenolol Impurity D	115538-83-5
VL500008	Atenolol	Atenolol Impurity E	141650-31-9
VL500009	Atenolol	Atenolol Impurity G	56392-14-4
VL500010	Atenolol	Atenolol Impurity I	1797116-92-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL500011	Atenolol	Atenolol Impurity J	81346-71-6
VL500012	Atenolol	Atenolol EP Impurity H	29277-73-4
VL266001	Atomoxetine	S-Mandelic Acid Impurity	17199-29-0
VL266002	Atomoxetine	R-Mandelic Acid	611-71-2
VL266003	Atomoxetine	Atomoxetine Related Compound A	42142-52-9
VL266004	Atomoxetine	Atomoxetine N-Amide / Atomoxetine Impurity 2	N/A
VL266005	Atomoxetine	Desmethyl Atomoxetine	881995-46-6
VL266006	Atomoxetine	Atomoxetine EP Impurity E	17199-29-0
VL10001	Atorvastatin	Atorvastatin Related Compound B / Atorvastatin EP Impurity B	887196-25-0
VL10002	Atorvastatin	Atorvastatin Related Compound H / Atorvastatin EP Impurity H / Atorvastatin Lactone	125995-03-1
VL10003	Atorvastatin	Atorvastatin Related Compound D / Atorvastatin EP Impurity D / Epoxide	148146-51-4
VL10004	Atorvastatin	Atorvastatin Related Compound A / Atorvastatin EP Impurity A /Desfluoro / 3S,5R Isomer	433289-84-0
VL10005	Atorvastatin	Atorvastatin Related Compound C / Atorvastatin Impurity C / Difluoro	693793-53-2
VL10006	Atorvastatin	Atorvastatin Related Compound E / Atorvastatin EP Impurity E / 3S, 5S Isomer	501121-34-2
VL10007	Atorvastatin	Oxo Atorvastatin Impurity / 3-Oxo-Atorvastatin	1391052-00-8
VL10008	Atorvastatin	Atorvastatin Cyclo IP Impurity	N/A
VL10009	Atorvastatin	Atorvastatin Methyl Ester	345891-62-5
VL10010	Atorvastatin	Atorvastatin Impurity G / O-Methyl	887324-53-0
VL10011	Atorvastatin	Atorvastatin Impurity F / Amide Impurity / Diamino	887196-24-9
VL10012	Atorvastatin	Atorvastatin Related Compound I	125971-95-1
VL10013	Atorvastatin	Atorvastatin Butyl Ester Impurity / Tert-Butyl Ester	134395-00-9

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL10014	Atorvastatin	Atorvastatin Diepoxide Impurity	433289-84-0
VL10015	Atorvastatin	4-Hydroxy Atorvastatin Monosodium Salt	163217-71-8
VL10017	Atorvastatin	Atorvastatin Impurity H	125995-03-1
VL10018	Atorvastatin	Atorvastatin 3-Deoxyhept-2-Enoic Acid	1105067-93-3
VL10019	Atorvastatin	Atorvastatin Pyrrolidone Analog / Atorvastatin Related Compound 01	148217-40-7
VL10020	Atorvastatin	Atorvastatin Epoxy Pyrrolooxazin 6-Hydroxy Analog	1316291-19-6
VL10021	Atorvastatin	Atorvastatin-FX1 Impurity / Atorvastatin Cyclo FP Impurity / 7-hydroxy analog	1315629-79-8
VL10022	Atorvastatin	Atorvastatin Cyclic IP	N/A
VL10023	Atorvastatin	Atorvastatin FXA Impurity / Cyclo IP/epoxy pyrrolooxazin 6-hydroxy analog	1316291-19-6
VL10024	Atorvastatin	Atorvastatin Ethyl Ester	1146977-93-6
VL10025	Atorvastatin	Atorvastatin Cyclo FP Impurity	N/A
VL10026	Atorvastatin	Atorvastatin Epoxy Tetra-Hydrofuran Impurity	873950-19-7
VL10027	Atorvastatin	Atorvastatin Calcium Diastereoisomer	N/A
VL10028	Atorvastatin	Atorvastatin Isopropyl Ester	1035205-25-4
VL10029	Atorvastatin	Atorvastatin Epoxy Pyrrolooxazin 7-Hydroxy Analog	1315629-79-8
VL10030	Atorvastatin	Atorvastatin Epoxy THF Analog	873950-19-7
VL10031	Atorvastatin	Atorvastatin Pyrrolidone Lactone	906552-19-0
VL10032	Atorvastatin	Atorvastatin oxirane	1246818-88-1
VL10033	Atorvastatin	Atorvastatin 5S,3S-Isomer	N/A
VL10034	Atorvastatin	3-Dehydroxy 2,3-Dehydro Atorvastatin Lactone	442851-50-5
VL10035	Atorvastatin	Atorvastatin N-Oxide impuirty	N/A
VL10036	Atorvastatin	Atorvastatin Diepoxy-Tetrahydropyranyl	N/A
VL10037	Atorvastatin	Atorvastatin Acetonide Methyl Ester	1353049-81-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL10038	Atorvastatin	ADK-1 (Atorvastatin Impurity)	N/A
VL10039	Atorvastatin	ADK-2 (Atorvastatin Impurity)	N/A
VL1370001	Atovaquone	Atovaquone EP Impurity A / Atovaquone Indene Isomer	N/A
VL1370002	Atovaquone	Atovaquone Related Compound-A	N/A
VL1370003	Atovaquone	Atovaquone EP Impurity D / O-Methyl Atovaquone	129700-41-0
VL1370004	Atovaquone	Atovaquone EP Impurity C / Didehydroatovaquone Impurity	1809464-27-4
VL2740001	Atracurium	Bis Acrylate Impurity	N/A
VL4110001	Axitinib	6-Iodo-1H-indazole	261953-36-0
VL4110002	Axitinib	Axitinib impurity 29	319472-78-1
VL4110003	Axitinib	Axitinib Impurity B	N/A
VL4110004	Axitinib	Axitinib Impurity C	N/A
VL4110005	Axitinib	Axitinib Impurity D	N/A
VL4110006	Axitinib	Axitinib Impurity E	N/A
VL4110007	Axitinib	Axitinib Impurity F	N/A
VL4540001	Azacitidine	Azacitidine Related Compound C	4336-46-3
VL4540002	Azacitidine	Azacitidine Related Compound A	931-86-2
VL4540003	Azacitidine	Azacitidine Related Compound B	6974-32-9
VL4730001	Azathioprine	Azathioprine EP Impurity A	N/A
VL4730002	Azathioprine	Azathioprine EP Impurity C	N/A
VL4730003	Azathioprine	Azathioprine EP Impurity G	N/A
VL1420001	Azelaic	Azelaic Acid	123-99-9
VL1100001	Azelastine	Azelastine Impurity A	613-94-5
VL1100002	Azelastine	Azelastine Impurity B	117078-69-0
VL1100003	Azelastine	Azelastine Impurity C	53242-76-5
VL1100004	Azelastine	Azelastine Impurity D	53242-89-9
VL1100005	Azelastine	Azelastine Impurity E	20526-97-0
VL820001	Aziamine	Aziamine N-Oxide	N/A
VL820002	Aziamine	3-N-Dimethyl Aziamine	N/A
VL820003	Aziamine	Desosaminyl Aziamine	N/A
VL252001	Azilsartan	Azilsartan Impurity-1 (ARA-3) / Azilsartan K Medoxomil Impurity -1	N/A
VL252002	Azilsartan	Azilsartan K Medoxomil Impurity 2 / Azilsartan Ethyl Ester	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL252003	Azilsartan	Azilsartan K Medoxomil Impurity 3 / Azilsartan Methyl Ester	N/A
VL252004	Azilsartan	Azilsartan K Medoxomil Impurity 4	N/A
VL252005	Azilsartan	Azilsartan K Impurity-5 (Bis Impurity) / Azilsartan Medoxomil Impurity 5	N/A
VL252006	Azilsartan	Azilsartan K Medoxomil Impurity-6 / Azilsartan Desethyl Impurity	N/A
VL252007	Azilsartan	Azilsartan K Medoxomil Impurity-7 / Azilsartan 2-EHA Impurity	N/A
VL252008	Azilsartan	Azilsartan K Medoxomil Impurity-8 / Azilsartan Diacetyl Impurity	N/A
VL252009	Azilsartan	Azilsartan Impurity 7	N/A
VL252010	Azilsartan	Azilsaratan Impurity A	147404-76-0
VL252011	Azilsartan	Azilsaratan Impurity B	1696392-11-6
VL252012	Azilsartan	Azilsaratan Impurity C	1397836-49-5
VL252013	Azilsartan	Azilsaratan Impurity D	1821386-21-3
VL252014	Azilsartan	Azilsaratan Impurity E	136285-69-3
VL252015	Azilsartan	Azilsaratan Impurity H	1499167-72-4
VL252016	Azilsartan	Azilsaratan Impurity I	139481-33-7
VL252017	Azilsartan	Azilsaratan Impurity J	1403474-78-1
VL252018	Azilsartan	Azilsaratan Impurity K	1442400-68-1
VL252019	Azilsartan	Azilsaratan Impurity L	1442400-65-8
VL252020	Azilsartan	Azilsaratan Impurity M	632322-61-3
VL252021	Azilsartan	Azilsaratan Impurity N	N/A
VL252022	Azilsartan	Azilsaratan Impurity O	2171316-29-1
VL252023	Azilsartan	Azilsaratan Impurity Q	1696392-12-7
VL252024	Azilsartan	Azilsaratan Impurity 2	147403-65-4
VL252025	Azilsartan	Azilsaratan Impurity 4	147403-52-9
VL186001	Azithromycin	Azithromycin Impurity L / Azithromycin N-Oxide	90503-06-3
VL1860010	Azithromycin	Azithromycin Impurity O	763924-54-5
VL1860011	Azithromycin	Azithromycin Impurity G	612069-31-5
VL1860012	Azithromycin	Azithromycin Impurity H	612069-30-4
VL1860013	Azithromycin	Azithromycin Impurity A / Azaetrythromycin A	76801-85-9
VL1860014	Azithromycin	Azithromycin Impurity 1	N/A
VL1860015	Azithromycin	Azithromycin Impurity P	92594-45-1
VL1860017	Azithromycin	Azithromycin Impurity K	612534-95-9
VL1860018	Azithromycin	Azithromycin Impurity D	612069-26-8
VL186002	Azithromycin	Azithromycin Impurity J / Desosaminyl Azithromycin	117693-41-1
VL186003	Azithromycin	Azithromycin Impurity I	172617-84-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL186004	Azithromycin	Azithromycin Impurity F / Azithromycin Related Compound F	612069-28-0
VL186005	Azithromycin	Azithromycin Impurity M	765927-71-7
VL186006	Azithromycin	Azithromycin Impurity N	612069-25-7
VL186007	Azithromycin	Azithromycin Impurity E	612069-27-9
VL186008	Azithromycin	Azithromycin Impurity B	307974-61-4
VL186009	Azithromycin	Azithromycin Impurity C	620169-47-3
VL1860019	Azithromycin	Azithromycin EP Impurity Q	N/A
VL1560001	Baclofen	Baclofen Related Compound A / Baclofen EP Impurity A	22518-27-0
VL1560002	Baclofen	Baclofen Impurity B	1141-23-7
VL1560003	Baclofen	Baclofen Lactam	22518-27-0
VL1560004	Baclofen	Baclofen Urea	1134-47-0
VL1560005	Baclofen	Baclofen Impurity C	35271-74-0
VL1560006	Baclofen	Baclofen Impurity D	873-76-7
VL1560007	Baclofen	Baclofen Impurity E	74-11-2
VL1560008	Baclofen	Baclofen Impuritiy F	104-88-1
VL1560009	Baclofen	Baclofen Impurity_Meta Chloro benzyl cyanide [3-Chlorophenylacetonitrile]	1529-41-5
VL1560010	Baclofen	Baclofen Impurity_Para Chloro Benzyl Cyanide [2-(4-chlorophenyl) acetonitrile]	140-53-4
VL1560011	Baclofen	Baclofen Impurity_[3-(4-Chlorophenyl)-3-cyanopropanoic acid][BAC-I]	98923-51-4
VL1560012	Baclofen	Baclofen Amide impurity	N/A
VL2010001	Balsalazide	Balsalazide USP Impurity 3	1346606-53-8
VL2010002	Balsalazide	Balsalazide USP Impurity 1	1242567-11-8)
VL2010003	Balsalazide	Balsalazide Impurity 2	1242567-09-4
VL3190001	Baricitinib	Baricitinib Impurity 1	N/A
VL3190002	Baricitinib	Baricitinib Impurity 2	N/A
VL3190003	Baricitinib	Baricitinib Impurity 3	1187595-89-6
VL3190004	Baricitinib	Baricitinib Impurity 4	N/A
VL3190005	Baricitinib	Baricitinib Impurity 5	N/A
VL2620001	Beclometasone	Beclometasone Dipropionate Monohydrate Impurity N	N/A
VL2620002	Beclometasone	Beclometasone Dipropionate EP Impurity Q	N/A
VL2620003	Beclometasone	Beclometasone Dipropionate Monohydrate Impurity B	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2620004	Beclometasone	Beclometasone Dipropionate Monohydrate Impurity C	N/A
VL2620005	Beclometasone	Beclometasone Dipropionate Monohydrate Impurity D	N/A
VL2620006	Beclometasone	Beclometasone Dipropionate Monohydrate Impurity F	N/A
VL2620007	Beclometasone	Beclometasone Dipropionate Monohydrate Impurity M	N/A
VL2620010	Beclometasone	Beclomethasone Impurity A	69224-79-9
VL2620011	Beclometasone	Beclomethasone Impurity E	887130-68-9
VL2620012	Beclometasone	Beclomethasone Impurity H	N/A
VL2620013	Beclometasone	Beclomethasone Impurity I	52092-12-3
VL2620014	Beclometasone	Beclomethasone Impurity J	66917-44-0
VL2620015	Beclometasone	Beclomethasone Impurity L	114371-33-4
VL2620016	Beclometasone	Beclomethasone Impurity O	14527-61-8
VL2620017	Beclometasone	Beclomethasone Impurity R	981-34-0
VL2620018	Beclometasone	Beclomethasone Impurity S	1709825-83-1
VL2620019	Beclometasone	Beclomethasone Impurity U	79578-39-5
VL2620020	Beclometasone	Beclomethasone Impurity V	205105-83-5
VL2590001	Benidipine	Bisbenzylpiperidyl Ester	N/A
VL2590002	Benidipine	Benidipine Dehydro Derivative	118935-44-7
VL228001	Benzene Sulfonic Acid	Benzene Sulfonic Acid	98-11-3
VL229001	Benzothiadiazine	Benzothiadiazine Related Compound A	121-30-2
VL3590001	Benzyl 4-Toluenesulfonate	Benzyl 4-Toluenesulfonate / phenylmethyl 4-methylbenzenesulfonate	1024-41-5
VL178001	Betahistine	Betahistine Impurity C	N/A
VL178002	Betahistine	Betahistine Impurity A	100-69-6
VL178003	Betahistine	Betahistine Impurtiy B	103-74-2
VL2700001	Betamethasone	Betamethasone 17-Propionate	5534-13-4
VL2700002	Betamethasone	Betamethasone 21-Propionate	75883-07-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2700003	Betamethasone	Betamethasone 21-Acetate 17-Propionate	5514-81-8
VL2700004	Betamethasone	Betamethasone-△17,20 21-Aldehyde (Mixture of Isomers)	6762-45-4
VL2700005	Betamethasone	Betamethasone Impurity / (9-Fluoro-11b,17,21-Trihydroxy-16b-Methyl pregna-1,4-Diene-3,20-Dione)	N/A
VL2700006	Betamethasone	Beclomethasone Dipropionate	4419-39-0
VL2700007	Betamethasone	9beta,11beta-Epoxybeta Methasone Dipropionate	N/A
VL2700008	Betamethasone	Betamethasone 9,11-Epoxide	981-34-0
VL2700009	Betamethasone	Betamethasone Tripropionate	1186048-33-8
VL2700010	Betamethasone	6a-Bromobetamethasone Dipropionate	1186048-34-9
VL2700011	Betamethasone	Betamethasone EP Impurity C	13504-15-9
VL2700012	Betamethasone	Betamethasone Impurity 4	1155886-49-9
VL2700013	Betamethasone	Betamethasone Impurity 1	N/A
VL2700014	Betamethasone	Betamethasone EP Impurity D	52619-05-3
VL2700015	Betamethasone	Betamethasone EP Impurity G	85700-75-0
VL2700016	Betamethasone	Betamethasone valerate related compound A	2240-28-0
VL2700017	Betamethasone	Betamethasone Dipropionate EP Impurity G	1186048-33-8
VL2700018	Betamethasone	Betamethasone Dipropionate EP Impurity F	66917-44-0
VL2700019	Betamethasone	Betamethasone Dipropionate EP Impurity H	1186048-34-9
VL2700020	Betamethasone	1,2 Dihydro Betamethasone Dipropionate	80163-83-3
VL2700021	Betamethasone	Betamethasone Dipropionate EP Impuirty E / Beclomethasone Dipropionate	5534-09-8
VL2940001	Betaxolol	Betaxolol Impurity B IH	62572-94-5
VL2940002	Betaxolol	Betaxolol Impurity D IH	63659-16-5
VL2940003	Betaxolol	Betaxolol Impurity F IH	N/A
VL2940004	Betaxolol	Betaxolol Impurity-E　IH	1329613-85-5
VL3930001	Bezafibrate	Bezafibrate impurity A	41859-57-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL3930002	Bezafibrate	Bezafibrate impurity B	74-11-3
VL3930003	Bezafibrate	Bezafibrate impurity C	2157488-46-3
VL3930004	Bezafibrate	Bezafibrate impurity D	41859-58-9
VL3930005	Bezafibrate	Bezafibrate impurity E	N/A
VL4500001	Bicalutamide	Bicalutamide Impurity 1	90357-53-2
VL3370001	Bimatoprost	Bimatoprost Acid	38344-08-0
VL3370002	Bimatoprost	15-epi Bimatoprost	1163135-92-9
VL3370003	Bimatoprost	15-Keto Bimatoprost	1163135-96-3
VL3370004	Bimatoprost	5,6-Trans Bimatoprost	1163135-95-2
VL3940001	Bisacodyl	Bisacodyl Related Compound A / Bisacodyl EP Impurity A	603-41-8
VL3940002	Bisacodyl	Bisacodyl Impurity A	N/A
VL3940003	Bisacodyl	Bisacodyl Impurity B	16985-05-0
VL3940004	Bisacodyl	Bisacodyl Impurity C	72901-16-7
VL3940005	Bisacodyl	Bisacodyl Impurity D	10040-45-6
VL191001	Bisoprolol	Bisoprolol Impurity L / Bisoprolol Related Compound B / Aldehyde	29122-74-5
VL191002	Bisoprolol	Bisoprolol Impurity A / Bisoprolol Related Compound A	62572-93-4
VL191003	Bisoprolol	Bisoprolol Impurity G / Bisoprolol Related Compound D	1215342-36-1
VL191004	Bisoprolol	Bisoprolol Impurity K / Ester Impurity	864544-37-6
VL191005	Bisoprolol	Bisoprolol Carboxylic Acid Impurity	72570-70-8 (free acid)
VL191006	Bisoprolol	Bisoprolol Benzyl Alcohol	4204-78-8
VL191007	Bisoprolol	Bisoprolol EP Impurity R / Bisoprolol Related Compound C	5790-46-5
VL191008	Bisoprolol	Bisoprolol Impurity B	1447715-44-7
VL191009	Bisoprolol	Bisoprolol Impurity E	1217245-60-7
VL191010	Bisoprolol	Bisoprolol fumarate Impurity Q	1346604-00-9
VL191011	Bisoprolol	Bisacodyl Impurity E	1217245-60-7
VL191012	Bisoprolol	Bisoprolol EP Impurity S	123-08-0
VL191013	Bisoprolol	Bisoprolol EP Impurity T	1173203-26-3
VL191014	Bisoprolol	Bisoprolol Impurity F	1798418-82-2
VL191015	Bisoprolol	Bisoprolol Impurity C	1797132-90-1
VL191016	Bisoprolol	Bisoprolol EP Impurity U	1071765-44-0
VL191017	Bisoprolol	Bisoprolol Dimer Impurity	N/A
VL191018	Bisoprolol	Bisoprolol EP Impurity N	1346601-75-9

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1200001	Bortezomib	Bortezomib Impurity A / Bortezomib USP Related Compound B / Bortezomib Amide Analog	289472-80-6
VL1200002	Bortezomib	Bortezomib Impurity F	73058-37-4
VL1200003	Bortezomib	Bortezomib Impurity H	N/A
VL1200004	Bortezomib	Bortezomib Impurity E / Bortezomib Impurity 7	N/A
VL1200005	Bortezomib	Bortezomib Impurity 26	78-77-3
VL1200006	Bortezomib	Bortezomib impurity 29	89-01-0
VL1200007	Bortezomib	Bortezomib Impurity 30	513-36-0
VL1200008	Bortezomib	Bortezomib Impurity 28	18942-49-9
VL1200009	Bortezomib	Bortezomib Impurity 31	84110-40-7
VL1200010	Bortezomib	Bortezomib Impurity 27	N/A
VL1200011	Bortezomib	Bortezomib Impurity B	114457-94-2
VL1200012	Bortezomib	Bortezomib Impurity C	1104011-35-9
VL1200013	Bortezomib	Bortezomib Impurity D	1132709-15-9
VL28001	Bosentan	Bosentan Dimer Impurity	1097263-60-9
VL28002	Bosentan	Bosentan Impurity A	N/A
VL28003	Bosentan	Bosentan Impurity B	174227-14-6
VL28004	Bosentan	Bosentan Impurity C	1097263-60-9
VL28005	Bosentan	Bosentan Impurity D	150728-13-5
VL28006	Bosentan	Bosentan Impurity E	N/A
VL28007	Bosentan	Bosentan Impurity 1	1218951-81-5
VL28008	Bosentan	Bosentan Related Compound 3 / Bosentan Related Compound A	150727-06-3
VL28009	Bosentan	Bosentan USP Related Compound E	6292-59-7
VL3840001	Brexpiprazole	Brexpiprazole N-Oxide Impurity	1191900-58-9
VL3840002	Brexpiprazole	Brexpiprazole BBO Dimer Impurity	N/A
VL3840003	Brexpiprazole	Brexpiprazole Impurity 1	N/A
VL3840004	Brexpiprazole	Brexpiprazole Impurity 2	N/A
VL3840005	Brexpiprazole	Brexpiprazole Impurity 3	N/A
VL3840006	Brexpiprazole	Brexpiprazole Impurity 4	N/A
VL1910001	Brimonidine	Brimonidine Impurity E	N/A
VL1910002	Brimonidine	Brimonidine Impurity C	6298-37-9
VL1910003	Brimonidine	Brimonidine Impurity B	50358-63-9
VL1910004	Brimonidine	Brimonidine Impurity A	91147-43-2
VL1910005	Brimonidine	Brimonidine Impurity D	842138-74-3
VL207001	Brinzolamide	Brinzolamide Impurity B	404034-55-5 (base)
VL207002	Brinzolamide	Brinzolamide Impurity A	154127-42-1
VL207003	Brinzolamide	Brinzolamide impurity C / O-Desmethyl	186377-56-0
VL207004	Brinzolamide	Brinzolamide impurity D	154127-42-1

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL207005	Brinzolamide	Brinzolamide impurity E	N/A
VL207006	Brinzolamide	Brinzolamide Tosyl Impurity	N/A
VL207007	Brinzolamide	Brinzolamide Desmethyl Impurity	186377-56-0
VL4680001	Brivaracetam	Brivaracetam Acid impurity	N/A
VL274001	Bromfenac	Bromfenac Impurity A	61941-56-8
VL274002	Bromfenac	Bromfenac Impurity B	91713-90-5
VL274003	Bromfenac	Bromfenac Impurity C / Bromfenac Related Compound A	91713-91-6
VL274004	Bromfenac	Bromfenac Impurity D	51135-38-7
VL24001	Bromhexine	Bromhexine Impurity A	50739-76-9
VL24002	Bromhexine	Bromhexine Impurity B	50910-55-9
VL24003	Bromhexine	Bromhexine Impurity C	57365-08-9
VL24004	Bromhexine	Bromhexine Impurity D	132004-28-5
VL24005	Bromhexine	Bromhexine Impurity E	1661064-00-1
VL1180001	Bromodecane	1-Bromodecane	112-29-8
VL34001	Budesonide	Budesonide Impurity A	13951-70-7
VL34002	Budesonide	Budesonide Impurity B / Homologue Budesonide	1040085-98-0
VL34003	Budesonide	Budesonide Impurity C / D-Homobudesonide	1040085-99-1
VL34004	Budesonide	Budesonide Impurity E / Delta 14 ,15 Budesonide	131918-64-4
VL34005	Budesonide	Budesonide Impurity F / Desonide	638-94-8
VL34006	Budesonide	Budesonide Impurity I	113930-13-5
VL34007	Budesonide	Budesonide Impurity L	216453-74-6
VL34008	Budesonide	Budesonide Impurity D / 21-Dehydro Budesonide	85234-63-5
VL34009	Budesonide	Budesonide Impurity G	137174-25-5
VL34010	Budesonide	Budesonide Impurity H	313474-58-7
VL34011	Budesonide	Budesonide Impurity J	313474-59-8
VL34012	Budesonide	Budesonide Impurity K	51333-05-2
VL34013	Budesonide	17-carboxylic acid of Budesonide impurity	192057-49-1
VL34014	Budesonide	21-Butyryloxy Budesonide	N/A
VL34015	Budesonide	Budesonide 17, 21-Diacetyloxy Impurity	17652-24-3
VL253001	Bumetanide	Bumetanide Impurity 3 / Bumetanide EP Impurity A / Nitro Analogue	28328-53-2
VL253002	Bumetanide	Bumetanide Impurity 4	N/A
VL253003	Bumetanide	Bumetanide Impurity 5 / Bumetanide EP Impurity C / Butyl Ester	32643-00-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL253004	Bumetanide	Bumetanide Impurity 6 / Bumetanide EP Impurity B / Bumetanide Related Compound A	28328-54-3
VL253005	Bumetanide	Bumetanide EP Impurity D / Bumetanide EHA Analogue	153012-65-8
VL253006	Bumetanide	Bumetanide Impurity 1 / Bumetanide Propyl Analog	28395-28-0
VL253007	Bumetanide	Bumetanide Related Compound B	28328-53-2
VL253008	Bumetanide	Butyl 3 - (butylamino) 4 - phenoxy - 5 - sulfomylbenzoate / Bumetanide Impurity C	32643-00-8
VL253009	Bumetanide	Bumetanide Impurity IV	N/A
VL25001	Bupropion	Deschloro Bupropion	34509-36-9
VL25002	Bupropion	Bupropion Impurity E / Bupropion Dione Derivative	10557-17-2
VL25003	Bupropion	O-Bupropion / Bupropion Impurity G	N/A
VL25004	Bupropion	Chloropropionophenone	N/A
VL25005	Bupropion	Bromochloro-Propiophenone	N/A
VL25006	Bupropion	4-Chloro Bupropion / Bupropion Impurity I	N/A
VL25007	Bupropion	5-Chloro Bupropion	1193779-48-4
VL25008	Bupropion	S,R,R-Thiomorpholine Derivative	N/A
VL25009	Bupropion	S,S,S-Thiomorpholine Derivative	N/A
VL25010	Bupropion	Erythro Hydroxy Bupropion	N/A
VL25011	Bupropion	Bupropion Amine Impurity	119802-69-6
VL25012	Bupropion	Threohydroxy Bupropion	N/A
VL25014	Bupropion	Bupropion Related Compond C	152943-33-4
VL25015	Bupropion	Bupropion Related Compound A	1049718-72-0
VL25016	Bupropion	Bupropion Related Compound B	1049718-43-5
VL25017	Bupropion	M-Chloro Benzoic Acid	535-80-8
VL25018	Bupropion	O-Chloro Bupropione	N/A
VL25019	Bupropion	3-Deschloro-2-Chloro Bupropion Hydrochloride	N/A
VL25020	Bupropion	Bupropion Impurity J / 3-Chloro Benzoic Acid	N/A
VL25021	Bupropion	Bupropion Related Compound F	857233-13-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL25022	Bupropion	Bupropion Des-Tbutylamino Impurity	N/A
VL25023	Bupropion	3,4-Dichloro analouge	1346598-72-8
VL249001	Buspirone	Buspirone Impurity E	257877-46-6
VL249002	Buspirone	Buspirone Impurity K / Buspirone Related Compound K	1075-89-4
VL249003	Buspirone	Buspirone Impurity J	N/A
VL249004	Buspirone	Buspirone Impurity A	20980-22-7
VL249005	Buspirone	Buspirone Impurity G / Buspirone Related Compound G	84746-24-7
VL249006	Buspirone	Buspirone Related Compound N	257877-44-4
VL249007	Buspirone	Buspirone Related Compound L	21098-11-3
VL249008	Buspirone	Buspirone Spiroammonium Salt	81461-73-6
VL249009	Buspirone	Buspirone Impurity C / Bispyrimidinyl Piperazinyl Butane	257877-45-5
VL249010	Buspirone	Bispyrimidinyl Piperazinyl Butyl Ether	N/A
VL249011	Buspirone	Buspirone Open Ring	257877-46-6
VL249012	Buspirone	Buspirone Open Ring Dimer	N/A
VL249013	Buspirone	Buspirone Diester Dimer	N/A
VL249014	Buspirone	Buspirone Chlorobuspirone	N/A
VL249015	Buspirone	Buspirone Open Ring Spirodimer	N/A
VL249016	Buspirone	Buspirone Bromobutyl Analog	N/A
VL4560001	Butylparaben	Butylparaben Impurity E	4247/2/3
VL26001	Butyric Acid	Butyric Acid	107-92-6
VL3710001	Caffiene	Caffiene for system suitability	58-08-2
VL3710002	Caffiene	Theophylline Anhydrous Impurity A / Caffeine	58-55-9
VL3710003	Caffiene	Caffeine EP impurity A / Aminophyline	58-55-9
VL3710004	Caffiene	Caffeine EP impurity D	83-67-0
VL2670001	Canagliflozin	Canagliflozin Enantiomer Impurity	N/A
VL2670002	Canagliflozin	Canagliflozin Desfloro Impurity	842133-16-8
VL2670003	Canagliflozin	Canagliflozin hydroperoxide impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL290001	Candesartan	Candesartan Impurity 1 / Methyl Ester Desethyl Analog	1203674-06-9
VL290002	Candesartan	Candesartan Impurity 2 / Desethyl Ester / Ethyl Ester	1225044-20-1
VL290003	Candesartan	Candesartan Impurity 6 / EP Impurity E / N-Ethyl Impurity	914613-35-7
VL290004	Candesartan	Candesartan Impurity 7 / EP Impurity F	914613-36-8
VL290005	Candesartan	Candesartan Cilexetil EP Impurity B / Ketone	869631-11-8
VL290007	Candesartan	Candesartan Trityl Cilexetil Impurity / Candesartan EP Impurity H	170791-09-0
VL290008	Candesartan	Candesartan Trityl Methyl Ether / Candesartan Impurity 5	1796932-77-8
VL290009	Candesartan	Candesartan N2 Trityl Impurity	886999-34-4
VL290012	Candesartan	Candesartan N-Cilexetil Impurity	N/A
VL290014	Candesartan	Candesartan Related Compound A	139481-58-6
VL290015	Candesartan	Candesartan Related Compound C	N/A
VL290016	Candesartan	Candesartan Related Compound G	139481-59-7
VL290017	Candesartan	Candesartan Impurity C	N/A
VL290018	Candesartan	Candesartan Impurity D	N/A
VL290019	Candesartan	Candesartan Methyl Ester Reduzate (Methyl Ester C5)	N/A
VL290020	Candesartan	Candesartan EP impurity G / Candesartan acid impurity	139481-59-7
VL290022	Candesartan	Candesartan Cilexetil EP Impurity A / Candesartan Ethyl Ester / Candesartan Cilexetil USP Related Compound A	139481-58-6
VL243001	Capecitabine	Capecitabine Related Compound A	66335-38-4
VL243002	Capecitabine	Capecitabine Related Compound B	3094-09-5
VL243003	Capecitabine	Capecitabine Related Compound C	921769-65-5

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL243004	Capecitabine	Capecitabine Impurity G	162204-20-8
VL243005	Capecitabine	Capecitabine Impurity J	N/A
VL243006	Capecitabine	Capecitabine Impurity H	1262133-66-3
VL243007	Capecitabine	Capecitabine Impurity I	1262133-68-5
VL243008	Capecitabine	Capecitabine Related Compound D	910129-15-6
VL243009	Capecitabine	Capecitabine Related Compound E	N/A
VL243010	Capecitabine	Capecitabine EP Impurity C	161599-46-8
VL2250001	Captopril	3-Acetylthio-2-Methylpropionic Acid	33325-40-5
VL210002	Carbamazepine	Carbamezepine Impurity C	1219170-51-0
VL210003	Carbamazepine	Carbamazepine Related compound A	3564-73-6
VL210004	Carbamazepine	Carbamazepine Related compound B	256-96-2
VL210005	Carbamazepine	Carbamazepine Impurity-E (Iminobenzyl)	494-19-9
VL210006	Carbamazepine	Carbamazepine 10,11 dihydracarbamazepine impurity	3564-73-6
VL210007	Carbamazepine	Carbamazepine Iminodibenzyl impurity	494-19-9
VL210008	Carbamazepine	Carbamazepine EP Impurity B / Carbamazepine Related Compound D / 9-Methyl acridine	611-64-3
VL210009	Carbamazepine	Carbamazepine EP Impurity F / Carbamazepine Related Compound F	33948-22-0
VL210010	Carbamazepine	Carbamazepine EP Impurity G / Carbamazepine Related Compound G/ 10 bromocarbamazepine	59690-97-0
VL210011	Carbamazepine	Carbamazepine Impurity 9	104746-04-5
VL210012	Carbamazepine	N-Carbamoyl Carbamazepine	N/A
VL3140001	Carbaprost	Carbaprost 15-Epicarboprost	148146-51-4
VL3140002	Carbaprost	Carbaprost Trans-Carboprost	76498-29-8
VL420001	Carbidopa	Carbidopa Impurity / (3,4-Dihydroxyphenylacetone) DHP	2503-44-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL420002	Carbidopa	Carbidopa Related Compound A	85933-19-3
VL420003	Carbidopa	Carbidopa Impurity B / Methyldopa Methyl ester	18181-08-3
VL420004	Carbidopa	Carbidopa impurity D / Cyclohexylidene carbidopa methylester	934371-48-9
VL420005	Carbidopa	Carbidopa Impurity A	555-30-6
VL420006	Carbidopa	Carbidopa Impurity E	52514-63-3
VL420007	Carbidopa	Carbidopa Impurity F	1458640-32-8
VL420008	Carbidopa	Carbidopa Impurity G	2503-44-8
VL420009	Carbidopa	Carbidopa Impurity 1	N/A
VL420010	Carbidopa	3-0-methyl carbidopa	85933-19-3
VL420011	Carbidopa	Carbidopa 3,4 Dihydroxybenzaldehyde	139-85-5
VL4700001	Carbinoxamine	Carbinoxamine related compound C	N/A
VL2550001	Carboplatin	1,1 Cyclobutanedicarboxylic Acid for Carboplatin	5445-51-2
VL2550002	Carboplatin	Cyclobutanemonocarboxylic acid for Carboplatin	3721-95-7
VL2580001	Cariprazine	2-Nitrophenyl Acetic Acid	3740-52-1
VL2580002	Cariprazine	3-Nitrophenyl Acetic Acid	1877-73-2
VL1290001	Carisoprodol	Carisoprodol Impurity C	78-26-2
VL35001	Carvedilol	Carvedilol Impurity E / Carvedilol Related Compund E	1836-62-0
VL35002	Carvedilol	Carvedilol Impurity D / Carvedilol Related Compound D	51997-51-4
VL35003	Carvedilol	Carvedilol EP Impurity C / Carvedilol Related Compound C / Carvedilol IP Impurity A	72955-94-3
VL35004	Carvedilol	Carvedilol Impurity 5 / Carvedilol Keto Impurity	1645285-52-4
VL35005	Carvedilol	Carvedilol Related Compound B/Biscarbazole	N/A
VL35006	Carvedilol	Carvedilol Bisalkyl Pyro-Catechol Derivative	1346602-98-9
VL35007	Carvedilol	Carvedilol EP Impurity A / Carvedilol Related Compound A	1836-62-0
VL35008	Carvedilol	4-Hydroxy Carbazole	52602-39-8
VL35009	Carvedilol	1,3-Cyclohexanedione mono(phenylhydrazone)	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL35010	Carvedilol	Carvidilol N-isopropyl impurity	N/A
VL4350001	Cefaclor	Cefaclor EP impurity A / Amicillin EP Impurity L / Cafalexin EP impurity A	875-74-1
VL4340001	Cefalexin	Cefalexin EP Impurity B / Cefadroxil EP Impurity B	53994-69-7
VL4250001	Cefepime	Cefepime Related compound D	65872-41-5
VL4250002	Cefepime	Cefepime Related compound E	103121-85-3
VL32001	Cefixime	Cefixime Impurity A	1614255-90-1
VL3960001	Cefotaxime	Desacetyl Cefotaxime Impurity	66340-28-1
VL1830001	Cefpodoxime	Cefpodoxime Acid Impurity	80210-62-4
VL1830002	Cefpodoxime	Cefpodoxime Proxetil Dimer Impurity	N/A
VL30001	Celecoxib	Celecoxib Impurity B / Celecoxib Related Compound B / Celecoxib Isomeric	331943-04-5
VL30002	Celecoxib	Celecoxib Impurity 2	N/A
VL30003	Celecoxib	Celecoxib Impurity A / Celecoxib Related Compound A	170570-01-1
VL30004	Celecoxib	Celecoxib Impurity C	N/A
VL30005	Celecoxib	Celecoxib Impurity D	N/A
VL30006	Celecoxib	Celecoxib Impurity E	N/A
VL30007	Celecoxib	Celecoxib Impurity F	N/A
VL30008	Celecoxib	Celecoxib carboxylic acid impurity	170571-01-4
VL30009	Celecoxib	Celecoxib impurity 9 / Celecoxib Impurity G	N/A
VL30010	Celecoxib	Celecoxib 2-methyl analogue	170569-99-0
VL30011	Celecoxib	Celecoxib Impurity IV	N/A
VL30012	Celecoxib	Celecoxib Impurity III	N/A
VL30013	Celecoxib	Celecoxib Rego Isomer	N/A
VL30014	Celecoxib	Celecoxib Related compound 04	720-94-5
VL30015	Celecoxib	Celecoxib IH Impurity E/ Celecoxib Hydrazine Impurity	17852-52-7
VL251001	Cephalexin	Cephalexin Impurity J	N/A
VL251002	Cephalexin	Cephalexin Impurity K	N/A
VL251003	Cephalexin	Cephalexin Phenyl Glycin Impurity	875-74-1
VL251004	Cephalexin	Cephalexin Impurity D	34876-35-2

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL251005	Cephalexin	Cephalexin Impurity C	72528-40-6
VL251006	Cephalexin	Cephalexin Impurity B (7-ADCA)	22252-43-3
VL3310001	cephalosporaranic acid	7 Amino cephalosporaranic acid	957-68-6
VL330001	Cetirizine	Cetirizine EP Impurity A / Chlorbenzhyl / CBHP	303-26-4
VL330002	Cetirizine	Cetirizine EP Impurity B / Cetirizine Acetic Acid	942132-30-1
VL330003	Cetirizine	Cetirizine EP Impurity C	83881-59-8
VL330004	Cetirizine	Cetirizine EP Impurity D / Cetirizine Dimer Impurity	346451-15-8
VL330005	Cetirizine	Cetirizine EP Impurity E / Ethoxycetirizine	682323-77-9
VL330006	Cetirizine	Cetirizine EP Impurity F / Deschlorocetirizine	83881-53-2
VL330007	Cetirizine	Cetirizine EP Impurity G / Ethanol	728948-88-7
VL330008	Cetirizine	Cetirizine N- Oxide	1076199-80-8
VL330009	Cetirizine	Cetirizine Methacathinone	N/A
VL330010	Cetirizine	Cetirizine -4-Chlorobenzbydrol Impurity	119-56-2
VL330011	Cetirizine	Cetirizine 4-chloro benzophenone impurity	134-85-0
VL330012	Cetirizine	Cetirizine Methyl Ester	83881-46-3
VL330013	Cetirizine	Cetirizine PEG Ester	1509941-93-8
VL330014	Cetirizine	Cetirizine Bromo Impurity	N/A
VL330015	Cetirizine	Racemic Cetirizine Dihydrochloride / 2-Chlorocetirizi	83881-52-1
VL330016	Cetirizine	Cetirizine Isopropyl Ester Impurity	324047-27-0
VL330017	Cetirizine	4-CBH As Per USP Cetrizine	119-56-2
VL330018	Cetirizine	3-Chloro Cetirizine	1232460-29-5
VL330019	Cetirizine	Glyceryl ester of Cetirizine	1243652-36-9
VL330020	Cetirizine	Cetirizine Lactose Ester (USP)	N/A
VL330021	Cetirizine	Cetirizine Related Compound A	246870-46-2
VL330022	Cetirizine	Propylene glycol ester of cetirizine (Diastereomer 1) Imp.	N/A
VL330023	Cetirizine	Propylene glycol ester of cetirizine (Diastereome2 Impurity	N/A

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VL330024	Cetirizine	cetirizine IH Impurity B ((4,4-Dichloro benzhydryl piperazine HCl)	27469-61-0
VL330025	Cetirizine	Cetirizine Inhouse Impurity B	N/A
VL330026	Cetirizine	Isomers of Propylene glycol ester cetirizine	N/A
VL330027	Cetirizine	Cetirizine 3-CBHP impurity	N/A
VL2850001	Cetylpyridinium	Cetylpyridinium Chloride (USP)	6004-24-6
VL4620001	Cevimeline	Cevimeline Sulfoxide	124751-36-6
VL3650001	Chlordizepoxide	Chlordizepoxide Impurity B	5958-24-7
VL3650002	Chlordizepoxide	Chlordizepoxide Related Compound A	963-39-3
VL3650003	Chlordizepoxide	Chlordizepoxide Impurity C	719-59-5
VL4440001	Chlorhexidine	Chlorhexidine EP Impurity A	152504-08-0
VL3150001	Chlorobenzyltyramine	Chlorobenzyltyramine Impurity A	N/A
VL2340001	Chlorphenamine	Chlorphenamine Impurity B	1202-34-2
VL2340002	Chlorphenamine	Chlorphenamine Impurity C	20619-12-9.
VL2340003	Chlorphenamine	Chlorphenamine Impurity D	65676-21-3
VL2340004	Chlorphenamine	Chlorphenamine Impurity A	1246816-57-8
VL2340005	Chlorphenamine	Chlorphenamine N-Oxide	120244-82-8
VL2340006	Chlorphenamine	Chlorpheniramine related Compound C	22630-25-7
VL2300001	Chlorpromazine	Chlorpromazine Impurity D	1225-64-5
VL2300002	Chlorpromazine	Chlorpromazine Impurity A	969-99-3
VL2300003	Chlorpromazine	Chlorpromazine Impurity E	92-39-7
VL2300004	Chlorpromazine	Chlorpromazine Impurity F	13094-24-1
VL2300005	Chlorpromazine	Chlorpromazine Impurity B	19077-20-4
VL2300006	Chlorpromazine	Chlorpromazine Brompromazine Hydrochloride	N/A
VL2300007	Chlorpromazine	Chlorpromazine N-oxide	1672-76-0
VL2300008	Chlorpromazine	Chlorpromazine Sulfoxide N-Oxide	10404-90-7
VL2300009	Chlorpromazine	Chlorpromazine Impurity C	58-40-2
VL2300010	Chlorpromazine	Chlorpromazine (3-chloro-N-methylpropan-1-amine Hydrochloride	N/A
VL1090001	Chlorthalidone	Chlorthalidone Impurity B / Chlorthalidone Related Compound A	5270-74-6
VL1090002	Chlorthalidone	Chlorthalidone Impurity G	16289-13-7
VL1090004	Chlorthalidone	Chlorthalidone Impurity A	345930-32-7
VL1090005	Chlorthalidone	Chlorthalidone Impurity C	92874-73-2

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VL1090006	Chlorthalidone	Chlorthalidone Impurity D	1369995-36-7
VL1090007	Chlorthalidone	Chlorthalidone Impurity E	82875-49-8
VL1090008	Chlorthalidone	Chlorthalidone Impurity H	N/A
VL1090009	Chlorthalidone	Chlorthalidone Impurity I	N/A
VL1090010	Chlorthalidone	Chlorthalidone Impurity F	1796929-84-4
VL1090011	Chlorthalidone	Chlorthalidone Impurity J	956-92-3
VL3740001	Chlorzoxazone	Chlorzoxazone Related Compound A	95-85-2
VL3740002	Chlorzoxazone	3-Cloroaniline standard	108-42-9
VL1900001	Cimetidine	Cimetidine EP Impurity F / Cimetidine Bis Impurity	55272-86-1
VL1900002	Cimetidine	Cimetidine EP Impurity B / Cimetidine Methoxy Analog	138035-55-9
VL231001	Cinacalcet	Cinacalcet Impurity A / Naphthyl Ethylamine / Amine	N/A
VL2310010	Cinacalcet	Cinacalcet Regio - Isomer	N/A
VL2310011	Cinacalcet	Cinacalcet 4- CF3 -Isomer / Cinacalcet Related Compound C	N/A
VL2310012	Cinacalcet	Cinacalcet 2- CF3 -Isomer Impurity / Cinacalcet Impurity J	N/A
VL2310013	Cinacalcet	Cinacalcet Phenyl Isomer Impurity	N/A
VL2310014	Cinacalcet	Cinacalcet Impurity L	N/A
VL2310015	Cinacalcet	Cinacalcet P1-6 Impurity	N/A
VL2310016	Cinacalcet	Cinacalcet N-Oxide	1229224-94-5
VL2310017	Cinacalcet	Cinacalcet EP Impurity K / Cinacalcet Napthalene 2-Position Isomer	N/A
VL2310018	Cinacalcet	Cinacalcet Impurity B / Cinacalcet Amine Impurity	N/A
VL2310019	Cinacalcet	Cinacalcet 5- Ethanol Impurity	N/A
VL231002	Cinacalcet	Cinacalcet Impurity B	N/A
VL2310020	Cinacalcet	Cinacalcet 6- Ethanol Impurity	N/A
VL2310021	Cinacalcet	Cinacalcet 5- Yl Formamide Impurity	N/A
VL2310022	Cinacalcet	Cinacalcet 6 Formamide Impurity	N/A
VL2310023	Cinacalcet	Cinacalcet 6 - Ethanamine Impurity	N/A
VL2310024	Cinacalcet	Cinacalcet 4 - TF Benzaldehyde Impurity	N/A
VL2310025	Cinacalcet	Cinacalcet 2 - TF Benzaldehyde Impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2310026	Cinacalcet	Cinacalcet 3 - TF Benzaldehyde Impurity / Cinacalcet Aldehyde Impurity	N/A
VL2310027	Cinacalcet	Cinacalcet 6- Ethanone Impurity	N/A
VL2310029	Cinacalcet	Cinacalcet Alcohol Impurity	78573-45-2
VL2310030	Cinacalcet	Cinacalcet Mesylate Analog / cinacalcet Related Compound A	N/A
VL2310032	Cinacalcet	Cinacalcet RNEA	N/A
VL2310033	Cinacalcet	Cinacalcet Diastereomer Isomer-1	N/A
VL2310034	Cinacalcet	Cinacalcet Diastereomer Isomer-2	N/A
VL2310035	Cinacalcet	Cinacalcet Impurity G	N/A
VL2310036	Cinacalcet	Cinacalcet Impurity H	N/A
VL2310037	Cinacalcet	Cinacalcet Impurity I	N/A
VL2310038	Cinacalcet	Cinacalcet Z-Oxine Impurity	100485-59-4
VL231004	Cinacalcet	Cinacalcet Impurity D / Cinacalcet Related Compound B	1271930-15-4
VL2310041	Cinacalcet	Cinacalcet Related Compound E	78573-45-2
VL2310042	Cinacalcet	Cinacalcet Impurity 7	N/A
VL2310043	Cinacalcet	Cinacalcet Impurity 6	N/A
VL2310044	Cinacalcet	Cinacalcet Impurity 26	N/A
VL2310045	Cinacalcet	Cinacalcet Impurity 27	N/A
VL2310046	Cinacalcet	1-Acetonaphthone	N/A
VL231005	Cinacalcet	Cinacalcet Impurity E	N/A
VL231007	Cinacalcet	Cinacalcet Impurity F / Cinacalcet E- Isomer	N/A
VL231008	Cinacalcet	Cinacalcet Related Compound D / Cinacalcet S- Isomer	694495-47-1
VL231009	Cinacalcet	Cinacalcet Impurity C	955373-56-5
VL195001	Cinnarizine	Cinnarizine Impurity A	N/A
VL195002	Cinnarizine	Cinnarizine Impurity E	N/A
VL195003	Cinnarizine	Cinnarizine Impurity B	N/A
VL195004	Cinnarizine	Cinnarizine Impurity C	N/A
VL195005	Cinnarizine	Cinnarizine Impurity D	N/A
VL3130001	Ciprofibrate	Ciprofibrate Methyl Ester	N/A
VL3130002	CIPROFIBRATE	Ciprofibrate EP Impurity A	N/A
VL3130003	CIPROFIBRATE	Ciprofibrate Impurity B	N/A
VL3130004	CIPROFIBRATE	Ciprofibrate Impurity C	N/A
VL3130005	CIPROFIBRATE	Ciprofibrate Impurity D	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL3130006	CIPROFIBRATE	Ciprofibrate Impurity E	N/A
VL204001	Ciprofloxacin	Ciprofloxacin Impurity F	226903-07-7
VL204002	Ciprofloxacin	Ciprofloxacin Impurity C / Ethylenediamine Analog	103222-12-4
VL204003	Ciprofloxacin	Ciprofloxacin Impurity E / Decarboxy Ciprofloxacin	105394-83-0
VL204004	Ciprofloxacin	Ciprofloxacin Impurity A	86393-33-1
VL204005	Ciprofloxacin	Ciprofloxacin Impurity B / Desfluro	93107-11-0
VL204006	Ciprofloxacin	Ciprofloxacin Impurity D / Ciprofloxacin Related Compound A	526204-10-4
VL204007	Ciprofloxacin	Chlorociprofloxacin	N/A
VL204008	Ciprofloxacin	Ciprofloxacin Hydrochloride (Chloro Analog)	N/A
VL204009	Ciprofloxacin	Ciprofloxacin Analog Impurity	N/A
VL204010	Ciprofloxacin	N-ethoxy carbonyl Ciprofloxacin Impurity	N/A
VL920001	Citalopram	Citalopram Impurity E / Citalopram Chloro Analogue	1332724-08-9
VL920002	Citalopram	Bromo Analogue	N/A
VL920003	Citalopram	Citalopram Descyano Impurity	390817-87-5
VL920004	Citalopram	Citalopram Impurity G / 5-Dimethylaminobutyryl Citalopram	1329745-98-3
VL920005	Citalopram	Citalopram Related Compound E / Citalopram N-Oxide	63284-72-0
VL920006	Citalopram	Citalopram Impurity A	64372-56-1
VL920007	Citalopram	Desmethyl Citalopram / EP Impurity D / Related Compound D	97743-99-2
VL920008	Citalopram	Citalopram 3-Oxo Impurity / EP Impurity C/ Related Compound C	372941-54-3
VL257001	Citric	Citric Acid	77-92-9
VL740001	Clarithromycin	Clarithromycin EP Impurity C	127253-06-9
VL740002	Clarithromycin	Clarithromycin EP Impurity D	101666-68-6
VL740003	Clarithromycin	Clarithromycin EP Impurity M	127182-43-8
VL740004	Clarithromycin	Clarithromycin EP Impurity F	128940-83-0

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL740005	Clarithromycin	Clarithromycin EP Impurity L	127253-05-8
VL740006	Clarithromycin	Clarithromycin EP Impurity H	127140-69-6
VL740007	Clarithromycin	Clarithromycin Impurity I	118058-74-5
VL740008	Clarithromycin	Clarithromycin Impurity G	127182-44-9
VL740010	Clarithromycin	Clarithromycin Impurity K	127157-35-1
VL740011	Clarithromycin	Clarithromycin Impurity N	144604-03-5
VL740012	Clarithromycin	Clarithromycin Impurity J	13127-18-9
VL740013	Clarithromycin	Clarithromycin Impurity Q / Clarithromycin N-Oxide	118074-07-0
VL740009	Clarithromycin	Clarithromycin Impurity E/RC A	81103-14-2
VL4490001	Clenbuterol	Clenbuterol EP impurity B	69708-36-7
VL2770001	Clhorosalfamoyl benzoic Acid	Clhorosalfamoylbenzoic Acid	N/A
VL3510001	Clidinium Bromide	Clidinium Bromide 3 - Quinuclidinyl Benzylate	N/A
VL1030001	Clindamycin	Clindamycin Impurity A	154-21-2
VL1030002	Clindamycin	Clindamycin Impurity B	54887-31-9
VL1030003	Clindamycin	Clindamycin Impurity C	28708-34-1
VL1030004	Clindamycin	Clindamycin-3-Phosphate	28708-34-1
VL1030005	Clindamycin	Clindamycin Impurity K	N/A
VL1030006	Clindamycin	Clindamycin Sulfoxide impurity	22431-46-5
VL1030007	Clindamycin	Clindamycin HCl monohydrate	21462-39-5
VL1030008	Clindamycin	Clindamycin Phosphate EP Impurity L	620181-05-7
VL1030009	Clindamycin	Clindamycin Phosphate EP Impurity E	21462-39-5
VL3910001	Clinidipine	3- Nitro Benzaldehyde Clinidipine impurity	99-61-6
VL2500001	Clobazam	Clobazam Impurity D	N/A
VL2500002	Clobazam	Clobazam Impurity F	2089061-92-5
VL2500003	Clobazam	Clobazam Impurity C	22316-16-1
VL2500004	Clobazam	Clobazam Impurity E	75524-13-9
VL2500005	Clobazam	Clobazam Impurity B	22316-24-1
VL2500006	Clobazam	Clobazam Impurity A	22316-55-8
VL1950001	Clobetasol	Clobetasol Impurity A	5534-13-4
VL1950002	Clobetasol	Clobetasol Impurity D	25120-99-4
VL1950003	Clobetasol	Clobetasol Impurity B	1356190-17-4
VL1950004	Clobetasol	Clobetasol Impurity C	25122-52-5
VL1950005	Clobetasol	Clobetasol Impurity J / Clobetasol Propionate Related Compound A	1486466-31-2
VL1950006	Clobetasol	Clobetasol Impurity E	N/A

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VL1950007	Clobetasol	Clobetasol Propionate EP Impurity A	5534-13-4
VL1950008	Clobetasol	Clobetasol Propionate EP Impurity D	25120-99-4
VL1950009	Clobetasol	Clobetasol Propionate EP Impurity J	1486466-31-2
VL1600001	Clofazimine	Clofazimine Impurity A	102262-55-5
VL1600002	Clofazimine	Clofazimine Impurity B	2158184-11-1
VL2540001	Clomipramine	Clomipramine Impurity B	113-52-0
VL2540002	Clomipramine	Clomipramine Impurity A	N/A
VL2540003	Clomipramine	Clomipramine Impurity G	1425793-87-8
VL2540004	Clomipramine	Clomipramine Impurity E	494-19-9
VL2540005	Clomipramine	Clomipramine Impurity F	32943-25-2
VL2540006	Clomipramine	Clomipramine Hydrochloride Impurity C	2095-42-3
VL2540007	Clomipramine	Clomipramine Hydrochloride Impurity D	3589-22-8
VL2540008	Clomipramine	Clomipramine N-Oxide	14171-67-6
VL1460001	Clonazepam	Chloroacetamido Impurity of Clonazepam	N/A
VL1460002	Clonazepam	Clonazepam	1622-61-3
VL1460003	Clonazepam	Clonazepam Related Compound B	N/A
VL1460004	Clonazepam	Clonazepam Related Compound C	52130-87-7
VL1460005	Clonazepam	Clonazepam Impurity A	2011-66-7
VL281001	Clonidine	2,6-Dichloroaniline Impurity	608-31-1
VL281002	Clonidine	N-(2,6-Dichlorophenyl)Formamide	10113-35-6
VL281003	Clonidine	2,6 Dichloroacetanilide	17700-54-8
VL281004	Clonidine	2,6 Dichlorophenyl Carbonimidic Dichloride	21709-18-2
VL281005	Clonidine	Clonidine Impurity B	54707-71-0
VL281007	Clonidine	Clonidine EP impurity A	5391-39-9
VL281008	Clonidine	Clonidine Related Compound A	54707-71-0
VL281009	Clonidine	1-(2,6-dichlorophenyl) guanidine	N/A
VL31001	Clopidogrel	Clopidogrel Related Compound B	N/A
VL31002	Clopidogrel	Clopidogrel Impurity 02	N/A
VL31003	Clopidogrel	Clopidogrel Related Compound A / Clopidogrel Impurity A	144750-42-5
VL31004	Clopidogrel	Clopidogrel Related Compound C / Clopidogrel Impurity C / R-Isomer	120202-71-3

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL31005	Clopidogrel	Clopidogrel Racemic Mixture	N/A
VL31006	Clopidogrel	Decarboxylated Clopidogrel Impurity	N/A
VL31007	Clopidogrel	Clopidogrel Acid	N/A
VL31008	Clopidogrel	Clopidogrel Impurity-3	N/A
VL31009	Clopidogrel	Clopidogrel Related Compound B / Clopidogrel EP Impurity B	144750-52-7
VL31011	Clopidogrel	Clopidogrel Related Compound D / Clopidogrel EP Impurity D	1421283-60-4
VL31012	Clopidogrel	Clopidogrel Camphor Sulfonic acid	N/A
VL31013	Clopidogrel	Clopidogrel inhouse Impurity F / Clopidogrel Pyridinium Impurity	1396607-49-0
VL31014	Clopidogrel	clopidogrel In house Impurity E	N/A
VL164001	Clotrimazole	Clotrimazole Related Compound A / Clotrimazole EP Impurity A	66774-02-5
VL164002	Clotrimazole	Clotrimazole Impurity E	5162-03-08
VL164003	Clotrimazole	Clotrimazole Impurity F	15469-97-3
VL164004	Clotrimazole	Clotrimazole HCL Impurity B	23593-71-7
VL164005	Clotrimazole	Clotrimazole Impurity D	288-32-4
VL164006	Clotrimazole	Clotrimazole Impurity B	23593-71-7
VL164007	Clotrimazole	Clotrimazole Impurity C	42074-68-0
VL4390001	Cloxacillin	Cloxacillin Related Compound D	23598-72-3
VL1310001	Clozapine	Clozapine Impurity A	50892-62-1
VL1310002	Clozapine	Clozapine Impurity B	263366-81-0
VL1310003	Clozapine	Clozapine Impurity C	6104-71-8
VL1310004	Clozapine	Clozapine Impurity D	65514-71-8
VL3080001	Colchicin	Colchicin Impurity A / Colchicin (N-Deacetyl-N-Formylcolchicine)	7411-12-3
VL3080002	Colchicin	Colchicin Impurity F / Colchicin (Colchiceine)	477-27-0
VL3080003	Colchicin	Colchicin (Beta-Lumicolchicine)	N/A
VL3080005	Colchicin	Colchicine Impurity E	7336-33-6
VL3080006	Colchicin	Colchicine Impurity C	6901-13-9
VL3080007	Colchicin	Colchicine Impurity D	477-29-2
VL3080004	Colchicin	Colchicine Impurity A	N/A
VL187001	Colsevelam	Colesevelam Impurity 1 / Bromoquat	32765-81-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL187002	Colsevelam	Colesevelam Impurity 2 / Aminoquat	33968-67-1
VL187003	Colsevelam	Colesevelam Impurity 3 / Decylaminoquat	N/A
VL187004	Colsevelam	Colesevelam Impurity 4 / Aminodihexylquat	2486-84-2
VL187005	Colsevelam	Colesevelam Impurity 5 / Decylamine	0143-09-09
VL187006	Colsevelam	Colesevelam Impurity 6 / Didecylamine HCl	2486-84-2
VL187007	Colsevelam	Colesevelam Impurity 7	N/A
VL187008	Colsevelam	Colesevelam Methoxyquat Impurity	863031-14-5
VL1980001	Cyclizine	Cyclizine Impurity A	0109-01-03
VL1980002	Cyclizine	Cyclizine Impurity B	91-01-0
VL1800001	Cyclobenzaprine	Cyclobenzaprine Related Compound B	438-59-5
VL1800002	Cyclobenzaprine	Cyclobenzaprine Related Compound A	18029-54-4
VL1800003	Cyclobenzaprine	Cyclobenzaprine Impurity A	N/A
VL1800004	Cyclobenzaprine	Cyclobenzaprine Hydrochloride Related Compound 01	N/A
VL1800005	Cyclobenzaprine	Cyclobenzaprine Hydrochloride Related Compound 02	N/A
VL1800006	Cyclobenzaprine	Cyclobenzaprine N-Oxide	6682-26-4
VL1800007	Cyclobenzaprine	Cyclobenzaprine EP impurity B	438-59-5
VL245001	Cyclohexanone	Cyclohexanone	108-94-1
VL165001	Cyclophosphamide	Cyclophosphamide Related Compound A	821-48-7
VL165002	Cyclophosphamide	Cyclophosphamide Related Compound-D	158401-51-5
VL165003	Cyclophosphamide	Cyclophosphamide Related Compound C	1071-28-9
VL165004	Cyclophosphamide	Cyclophosphamide Impurity 11 (2-((2-Chloroethyl)amino)ethan-1-ol	N/A
VL165005	Cyclophosphamide	Cyclophosphamide Impurity A / Monochlorocyclophosphamide	N/A
VL165006	Cyclophosphamide	Cyclophosphamide Related Compound B	158401-52-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1790001	Cycloserine	Cycloserine Dimer Impurity (Cycloserine Diketoperazine)	N/A
VL1790002	Cycloserine	Cycloserine Dimer CL4 Impurity	N/A
VL1050001	Cyclosporine	Cycloserine Dimer CL4 Impurity	N/A
VL1050002	Cyclosporine	Cyclosporin Impurity H	83602-43-1
VL1050003	Cyclosporine	Iso Cyclosporin Impurity H	83602-43-1
VL1050004	Cyclosporine	Cyclosporin Impurity B	63775-95-1
VL1050005	Cyclosporine	Cyclosporin Impurity D	63775-96-2
VL1050006	Cyclosporine	Iso Cyclosporine A	59865-16-6
VL1050007	Cyclosporine	Cyclosporine Impurity L	N/A
VL1050008	Cyclosporine	Cyclosporine Impurity G	74436-00-3
VL1050009	Cyclosporine	Cyclosporine Impuirty C	59787-61-0
VL1050010	Cyclosporine	Cyclosporine Dihydro Impurity A	59865-15-5
VL1050011	Cyclosporine	Cyclosporin E	N/A
VL1050012	Cyclosporine	Iso Cyclosporin	59865-16-6
VL1050013	Cyclosporine	Cyclosporin A	N/A
VL1050014	Cyclosporine	Dihydro Cyclosporin	59865-15-5
VL3110001	Cyproheptadine	Cyproheptadine N-Oxide	100295-63-4
VL42100001	DABI	DABI Impurity 2	N/A
VL1760001	Dabigatran	Dabigatran Impurity P	(1408238-37-8)
VL1760002	Dabigatran	Dabigatran Impurity 2 / Dabigatran Amide	N/A
VL1760003	Dabigatran	Dabigatran Impurity 6 / Dabigatran Acid	N/A
VL1760004	Dabigatran	Dabigatran Acid-Amide Impurity	N/A
VL1760005	Dabigatran	Dabigatran impurity 8 / Dabigatran Etexilate Mesylate	872728-81-9
VL2800001	Dalfampridine	Dalfampridine N-Formyl Impurity	N/A
VL2800002	Dalfampridine	Dalfampridine (N-4-Pyridyl)-2Hydroxy butyramide	N/A
VL1650001	Dapagliflozin	Dapagliflozin Alpha Isomer	N/A
VL1650002	Dapagliflozin	Dapagliflozin Methoxy Impurity	N/A
VL1650003	Dapagliflozin	Dapagliflozin Bromo Compound	N/A
VL1650004	Dapagliflozin	Dapagliflozin Acetyl Impurity	N/A
VL1650005	Dapagliflozin	Dapagliflozin Bromo Lactone Impurity	N/A

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VL1650006	Dapagliflozin	Dapagliflozin Hydroperoxide Impurity	N/A
VL1650007	Dapagliflozin	Dapagliflozin Hydroxy impurity / Dapagliflozin Related Compound 3	1204222-85-4
VL1650008	Dapagliflozin	Dapagliflozin Keto Impurity / Dapagliflozin Related Compound 4	2169998-23-4
VL1650009	Dapagliflozin	O-Desethyl Dapagliflozin	864070-37-1
VL1650012	Dapagliflozin	Dapagliflozin Desethoxy Impurity / O-Desmethyl	864070-37-1
VL1650013	Dapagliflozin	Dapagliflozin Impurity 15	461432-23-5
VL1650014	Dapagliflozin	Dapagliflozin Impurity 18	103-73-1
VL1650015	Dapagliflozin	Dapagliflozin Impurity 19	21739-92-4
VL1650016	Dapagliflozin	Dapagliflozin Open Ring	2100872-88-4
VL2890001	Dapsone	Dapsone Impurity A	N/A
VL2890002	Dapsone	Dapsone Impurity B	N/A
VL2890003	Dapsone	Dapsone Impurity C	N/A
VL2890004	Dapsone	Dapsone Impurity D	N/A
VL2890005	Dapsone	Dapsone Impurity E	N/A
VL2890006	Dapsone	Dapsone Impurity 12 / Bis(4-hydroxyphenyl)sulfone	80-09-1
VL2890007	Dapsone	Dapsone Impurity 1 / Dapsone Chlorphenyl sulphone	80-00-2
VL2890008	Dapsone	Dapsone Impurity 11 / 4,4-Dichlorodiphenyl Sulphone	80-07-9
VL2890009	Dapsone	Dapsone Impurity 13 / Bis(3-Aminophenyl)sulphone	599-61-1
VL2890010	Dapsone	Dapsone In house Impurity E	N/A
VL1530001	Darifenacin	Darifenacin Impurity A / Darifenacin EP Impurity 10	N/A
VL1530002	Darifenacin	R-Isomer of Darifenacin Hydrobromide	1092800-15-1
VL1530003	Darifenacin	Darifenacin Carboxylic Acid	N/A
VL1530004	Darifenacin	Darifenacin Bromo Impurity	N/A
VL1530005	Darifenacin	Darifenacin cyano pyrrolidine impurity	194602-27-2 (HBr Salt) ; 133099-11-3 (base)
VL1530006	Darifenacin	Darifenacin Impurity 3	86-29-3
VL1530007	Darifenacin	Darifenacin Impurity / (1-Tosyl-3-pyrrolidinol Tosylate	131912-34-0

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VL1530008	Darifenacin	2,3-dihydro-1-benzofuran-5-yl-acetic acid	69999-16-2
VL1530009	Darifenacin	Darifenacin N-Oxide	1391080-40-2
VL3430001	Darunavir	Darunavir diastereomer (1S, 2S)	N/A
VL3430002	Darunavir	Darunavir Impurity -21	N/A
VL3430003	Darunavir	Darunavir Impurity 22	N/A
VL4220001	Deferasirox	Deferasirox Impurity A	N/A
VL4220002	Deferasirox	Deferasirox Impurity B	N/A
VL4220003	Deferasirox	Salicylamide (Defirasirox Benzamide Impurity)	65-45-2
VL41001	Desloratadine	Desloratadine N-Formyl Impurity	117810-61-4
VL41002	Desloratadine	Desloratadine N-Oxide	169253-26-3
VL41003	Desloratadine	Desloratadine N-Hydroxypiperidine	1193725-73-3
VL41004	Desloratadine	Desloratadine Impurity VI	N/A
VL41005	Desloratadine	Desloratadine Impurity B	183198-49-4 (base) ; 432543-89-0 (HCl)
VL41006	Desloratadine	Dechlorodesloratadine	N/A
VL41007	Desloratadine	Dehydrodesloratadine	117811-20-8
VL41008	Desloratadine	Fluorodesloratadine	N/A
VL41009	Desloratadine	Desloratadine Impurity C	79794-75-5
VL41010	Desloratadine	Desloratadine impurity A	298220-99-2
VL41011	Desloratadine	Desloratadine Methyl Ester	N/A
VL3830001	Desonide Lotion	Impurity-2 Of Desonide Lotion	N/A
VL2040001	Desvenlafaxine	Desvenlafaxine Impurity-II	N/A
VL2040002	Desvenlafaxine	Desvenlafaxine N-Oxide	1021933-95-8
VL2040003	Desvenlafaxine	Desvenlafaxine Phenol Impurity	539-15-1
VL2040004	Desvenlafaxine	Didesmethyl Desvenlafaxine	149289-29-2
VL2040005	Desvenlafaxine	Desvenlafaxine Related Compound B	N/A
VL273001	Dexamethasone	17- Oxo Dexamethasone / 17-Keto Dexamethasone	1880-61-1
VL273002	Dexamethasone	17β-Carboxy-17-Desoxy Dexamethasone / 20-Carboxy-17-Desoxy Related Compound	75262-69-0
VL273003	Dexamethasone	Dexamethasone-Δ 17,20 21-Aldehyde	6762-51-2
VL273004	Dexamethasone	Desoxymetasone (17-Desoxy of Dexamethasone)	N/A
VL273005	Dexamethasone	9-Desfluoro-11-Keto Dexamethasone	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL273006	Dexamethasone	Dexamethasone-9(11)-α-Epoxide	24916-90-3
VL273007	Dexamethasone	Δ7,9(11)-Dexamethasone / Dexamethasone Impurity K	N/A
VL273008	Dexamethasone	21-Dehydro Dexamethasone	62800-58-2
VL273010	Dexamethasone	Dexamethasone Impurity B	378-44-9
VL273011	Dexamethasone	Dexamethasone Impurity F	382-67-2
VL273012	Dexamethasone	Dexamethasone Impurity G	1177-87-3
VL273013	Dexamethasone	Blank Ctalog Not for Use	N/A
VL273014	Dexamethasone	Dexamethasone-21-Formate	N/A
VL273015	Dexamethasone	Dexamethasone Lactone C17	N/A
VL273016	Dexamethasone	Dexamethasone Impurity E	13209-41-1
VL273017	Dexamethasone	Dexamethasone Impurity C	426-17-5
VL273018	Dexamethasone	Dexamethasone EP Impurity D / 8-Dexamethasone	24916-90-3
VL273019	Dexamethasone	Dexamethasone Acetate EP impurity C	N/A
VL273020	Dexamethasone	21-dehydro-17-deoxy dexamethasone	N/A
VL273021	Dexamethasone	Dexamethasone Acetate EP impurity A	50-02-2
VL273022	Dexamethasone	Dexamethasone Acetate EP impurity D	987-24-6
VL273023	Dexamethasone	Dexamethasone Sodium Phosphate EP Impurity A / Betamethasone EP Impurity A / Dexamethasone Acetate EP Impurity A	50-02-2
VL4570001	Dexlansoprazole	Dexlansoprazole Impurity 1	N/A
VL4570002	Dexlansoprazole	Dexlansoprazole Impurity 4	N/A
VL4570003	Dexlansoprazole	Dexlansoprazole Impurity 6	131926-99-3
VL4570004	Dexlansoprazole	Dexlansoprazole Impurity 8	138530-95-7
VL4570005	Dexlansoprazole	Dexlansoprazole Dex N-Oxide Sulphoxide	N/A
VL520001	Dexmedetomidine	Dexmedetomidine Impurity-1	N/A
VL520002	Dexmedetomidine	Dexmedetomidine Impurity-2	N/A
VL520003	Dexmedetomidine	Dexmedetomidine Impurity-3	N/A
VL520004	Dexmedetomidine	Dexmedetomidine Impurity-4	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL520005	Dexmedetomidine	Dexmedetomidine Impurity-5	N/A
VL520006	Dexmedetomidine	Dexmedetomidine Impurity-6	86347-15-1
VL520007	Dexmedetomidine	Dexmedetomidine Impurity-7	N/A
VL520008	Dexmedetomidine	Dexmedetomidine Ketone Impurity	N/A
VL520009	Dexmedetomidine	Dexmedetomidine Olefine Impurity	N/A
VL520010	Dexmedetomidine	Dexmedetomidine (Et-Dex)	N/A
VL520011	Dexmedetomidine	Dexmedetomidine Hydroxyphenyl acetic acid	N/A
VL520012	Dexmedetomidine	Dexmedetomidine oxide	N/A
VL520013	Dexmedetomidine	Ethyl-Dexmedetomidine	N/A
VL200001	Dextromethorphan	Dextromethorphan Impurity-D	N/A
VL200002	Dextromethorphan	Dextromethorphan Impurity A	1531-23-3
VL200003	Dextromethorphan	Dextromethorphan Impurity-C	57969-05-8
VL200004	Dextromethorphan	Dextromethorphan Impurity B	125-73-5
VL200005	Dextromethorphan	Dextromethorphan (+) N-formyl octabase	51773-23-0
VL200006	Dextromethorphan	Dextromethorphan (+) 3-methoxy-N-formyl-morphinan	N/A
VL200007	Dextromethorphan	Dextromethorphan N-Oxide	N/A
VL200008	Dextromethorphan	Dextromethorphan Impurity F	65322-85-2
VL158001	Diacerein	Diacerein Impurity G	64951-96-8
VL158002	Diacerein	Diacerein Impurity F	13928-72-8
VL158003	Diacerein	Diacerein Impurity D / Diacerein Rhein-I / H-I	875535-35-6
VL158004	Diacerein	Diacerein Impurity E / Diacerein Rhein-II / H-II	875535-36-7
VL158005	Diacerein	Diacerein Impurity A (Rhein) / Diacerein Impurity C	518-82-1
VL158006	Diacerein	Diacerein Impurity B (Aloe-Emodin)	481-72-1
VL158007	Diacerein	Diacerein Impurity H	25395-11-3
VL158008	Diacerein	Diacerein Aloein Impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL158014	Diacerein	Diacerin Impurity A In House	N/A
VL3050001	Dibaclofen	Dibaclofen Urea Impurity	N/A
VL2440001	Dibenzosuberone	Amitriptyline Related Compound A	1210-35-1
VL2440002	Dibenzosuberone	Amtriptylline Impurity B	6202-23-9
VL48001	Diclofenac	Diclofenac PPG Ester 1	N/A
VL48002	Diclofenac	Diclofenac PPG Ester 2	N/A
VL48003	Diclofenac	Diclofenac Impurity A / Diclofenac Related Compound A	15362-40-0
VL48004	Diclofenac	Diclofenac Related Compound / Diclofenac Chloroacetyl Impurity	15308-01-7
VL48005	Diclofenac	Diclofenac Impurity F	560075-65-2
VL48006	Diclofenac	Isopropyl Ester of Diclofenac	N/A
VL48007	Diclofenac	1-(2,6-Dichlorophenyl)Isatin	24542-74-3
VL48008	Diclofenac	Diclofenac Glyoxilic Acid	N/A
VL48010	Diclofenac	Diclofenac Impurity B / Diclofenac Benzaldehyde	22121-58-0
VL48011	Diclofenac	Diclofenac Impurity C / Diclofenac Alcohol	27204-57-5
VL48015	Diclofenac	Diclofenac Impurity D / Diclofenac Related Compound D	127792-45-4
VL48017	Diclofenac	Diclofenac Ethyl Ester Impurity	15307-77-4
VL48018	Diclofenac	Diclofenac EP Impurity E / Diclofenac Related Compound E / Diclofenac Oxindole Impurity /	59-48-3
VL48019	Diclofenac	Diclofenac Desacetate / Diclofenac 2,6-Dichlorodiphenylamine	15307-93-4
VL48020	Diclofenac	Diclofenac Carboxylic Acid / Diclofenac Related Compound 5 / Dichlorophenyl anthranlic Acid	13625-57-5
VL48021	Diclofenac	Diclofenac Dimer Impurity	1609187-30-5
VL48022	Diclofenac	Diclofenac Impurity	N/A
VL48023	Diclofenac	Diclofenac PPG Ester (Mixture PPG 1 & PPG 2)	N/A
VL48024	Diclofenac	Diclofenac Glycerol Ester	N/A
VL48025	Diclofenac	Diclofenac Dodecyl Ester	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL48026	Diclofenac	Diclofenac tetradecyl ester	N/A
VL48027	Diclofenac	Diclofenac Glyceryl adduct	N/A
VL1160001	Dicyclopropylamine	Dicyclopropylamine	N/A
VL3610001	Diethyl P-Toluene Sulfonyl Oxy Methyl Phosphonate	Diethyl P-Toluene Sulfonyl Oxy Methyl Phosphonate	N/A
VL230001	Diethyldithiocarbamate	Diethyldithiocarbamate Impurity	N/A
VL4750001	Dihydroartemisinin	Dihydroartemisinin impurity	N/A
VL1920001	Dihydroquinidine	Dihydroquinidine	N/A
VL3620001	Diiodotyrosine	Diiodotyrosine Impurity B	N/A
VL3620002	Diiodotyrosine	Diiodotyrosine Impurity C	N/A
VL3620003	Diiodotyrosine	Diiodotyrosine Impurity D	N/A
VL3620004	Diiodotyrosine	Diiodotyrosine Impurity E	N/A
VL1080001	Diltiazem	Des Acetyl Diltiazem	N/A
VL1080002	Diltiazem	N-desmethyl Diltiazem	130606-60-9
VL1080003	Diltiazem	Diltiazem EP Impurity E	42399-49-5
VL1080004	Diltiazem	Diltiazem Related Compound G	N/A
VL1080005	Diltiazem	Diltiazem Related Compound H	115992-91-1
VL1080006	Diltiazem	Diltiazem Related Compound C	N/A
VL1080007	Diltiazem	Diltiazem Related Compound D	N/A
VL1080008	Diltiazem	Diltiazem Sulfoxide	370094-12-5
VL4330001	Dioactyl sodium sulphosuccinate	Dioactyl sodium sulphosuccinate Impurity A	N/A
VL3040001	Diosmin	Isorhoifolin(Diosmin EP Impurity C)	552-57-8
VL3040002	Diosmin	Diosmin EP Impurity D / 6-Iododiosmin	1431536-92-3
VL3040003	Diosmin	Diosmin Impurity B	520-26-3
VL3040004	Diosmin	Diosmin Impurity 1	N/A
VL177001	Diphenhydramine	Diphenhydramine Impurity A / Desmethyl	17471-10-2
VL177002	Diphenhydramine	Diphenhydramine Impurity B	19804-27-4
VL177003	Diphenhydramine	Diphenhydramine Impurity C	118-23-0.
VL177004	Diphenhydramine	Diphenhydramine Impurity D / Benzhydrol	91-01-0
VL177005	Diphenhydramine	Diphenhydramine Impurity E	119-61-9

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL177006	Diphenhydramine	Diphenhydramine N-Oxide	13168-00-8
VL177007	Diphenhydramine	Diphenhydramine Diphenylmethane	101-81-5
VL177008	Diphenhydramine	Diphenhydramine Benzhydryl bromide	776-74-9
VL47001	Dipyridamole	Dipyridamole Impurity A	16908-47-7
VL47002	Dipyridamole	Dipyridamole Impurity B	16908-47-7
VL47003	Dipyridamole	Dipyridamole Impurity C	54093-92-4
VL47004	Dipyridamole	Dipyridamole Impurity D	1176886-12-6
VL47005	Dipyridamole	Dipyridamole Impurity E	N/A
VL47006	Dipyridamole	Dipyridamole Impurity F	60286-30-8
VL47007	Dipyridamole	Dipyridamole Impurity G	7139-02-08
VL3230001	Dizepam	Dizepam Impurity A	N/A
VL3230002	Dizepam	Dizepam Impurity B	N/A
VL3230003	Dizepam	Dizepam Impurity C	N/A
VL3230004	Dizepam	Dizepam Impurity D	N/A
VL3230005	Dizepam	Dizepam Impurity E	N/A
VL49001	Docetaxel Trihydrate	Docetaxel Trihydrate Impurity C	N/A
VL49002	Docetaxel Trihydrate	4-Epidocetaxel	N/A
VL49003	Docetaxel Trihydrate	4-Epi-6-Oxodocetaxel	N/A
VL49004	Docetaxel Trihydrate	Docetaxel N-Formyl Impurity	N/A
VL49005	Docetaxel Trihydrate	10-Dec Docetaxel	158810-73-2
VL49006	Docetaxel Trihydrate	Docetaxel 10-Deacetyl Baccatin	32981-86-5
VL49007	Docetaxel Trihydrate	Docetaxel Impurity A / 2-Debenzoxyl 2-pentenoyl docetaxel	N/A
VL2220001	Dofetilide	Dofetilide Impurity B	N/A
VL700001	Domperidone	Domperidone Impurity A	53786-28-0
VL700002	Domperidone	Domperidone Impurity B	1346598-11-5
VL700003	Domperidone	Domperidone Impurity C	118435-03-3
VL700004	Domperidone	Domperidone Impurity F	1391053-55-6
VL700005	Domperidone	Domperidone Impurity D	1614255-34-3
VL700006	Domperidone	Domperidone Impurity E	1346602-50-3
VL173001	Donepezil	Donepezil Open Ring Impurity	197010-25-6
VL173002	Donepezil	Hydroxy Donepezil	197010-20-1
VL173003	Donepezil	Donepezil Pyridine Analog	4803-57-0
VL173004	Donepezil	Donepezil Impurity B / Donepezil Benzylbromide	844694-85-5
VL173005	Donepezil	Dehydrodeoxydonepezil	120013-45-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL173006	Donepezil	Deoxydonepezil	844694-84-4 (base) ; 1034439-57-0 (HCl Salt)
VL173007	Donepezil	Donepezil Alkene Pyridine N-Oxide	896134-06-8
VL173008	Donepezil	Donepezil N-Oxide	120013-84-5
VL173009	Donepezil	Donepezil Impurity A	N/A
VL173010	Donepezil	Donepezil Related Compound A	145546-80-1
VL173011	Donepezil	Donepezilbenzyl Quaternary Salt	N/A
VL173012	Donepezil	Desbenzyl Donepezil	120013-39-0
VL173013	Donepezil	Donepezil Hydrochloride	120011-70-3
VL173014	Donepezil	Donepenzil Impurity VII	N/A
VL173015	Donepezil	Donepezil aldehyde Impurity	22065-85-6
VL173016	Donepezil	Donepezil Pyridine dehydro impurity	4803-74-1
VL173019	Donepezil	Donepezil Impurity 8	1808997-65-0
VL173020	Donepezil	Donepezil Dihydro impurity	120012-04-6
VL37001	Dorzolamide	Dorzolamide Impurity B	120279-37-0
VL37002	Dorzolamide	Dorzolamide Impurity D / Dorzolamide Related Compound D	154154-90-2
VL37003	Dorzolamide	Dorzolamide Impurity 5	N/A
VL37004	Dorzolamide	Dorzolamide Impurity A / Dorzolamide Related Compound A	120279-95-0 (base) ; 122028-36-8 (HCl salt)
VL37005	Dorzolamide	Dorzolamide Impurity C	N/A
VL2860001	Doxepin	Doxepin N-Oxide	22684-91-9
VL2860002	Doxepin	Doxepin Impurity D	25127-31-5
VL2860003	Doxepin	Doxepin EP Impurity A / Doxepin Related Compound A	4504-87-4
VL2860004	Doxepin	Doxepin EP Impurity B / Doxepin Related Compound B	4504-88-5
VL2860005	Doxepin	Doxepin EP Impurity C / Doxepin Related Compound C	4504-96-5
VL159001	Doxycycline	Doxycycline Impurity C / 4-Epidoxycycline	6543-77-7
VL159002	Doxycycline	Doxycycline EP Impurity F	6542-44-5
VL159003	Doxycycline	Doxycycline EP Impurity D / 4-Epi 6-Epi Doxycycline	97583-08-9
VL159004	Doxycycline	Doxycycline related compound A (6-epidoxycycline)	3219-99-6

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VL159005	Doxycycline	Methacycline Impurity (Doxycycline Impurity B)	914-00-1
VL38001	Doxylamine	Doxylamine Succinate Impurity A	873407-01-3
VL38002	Doxylamine	Doxylamine Succinate Impurity-B	19490-92-7
VL38003	Doxylamine	Doxylamine Succinate Impurity C	1221-70-1
VL38004	Doxylamine	Doxylamine Succinate Impurity-D	91-02-1
VL38005	Doxylamine	Doxylamine N-Oxide	97143-65-2
VL38006	Doxylamine	Doxylamine Di-N-Oxide	105176-70-3
VL38007	Doxylamine	Doxylamine Phenyl(pyridin-2-yl)methanol	N/A
VL38008	Doxylamine	Doxylamine pyridinyl N-oxide	N/A
VL38009	Doxylamine	Doxylamine Dioxide	N/A
VL38010	Doxylamine	Doxylamine pyridine 4-yl isomer	N/A
VL3390001	Dronedarone	Dronedarone Impurity E	N/A
VL36001	Drotaverine	Drotaverine Acid Impurity	38464-04-9
VL36002	Drotaverine	Drotaveraldine Impurity	54088-62-9
VL36003	Drotaverine	Drotaverine Amine Impurity	61381-04-2
VL36004	Drotaverine	Drotaverine Amide Impurity	6298-46-0
VL36005	Drotaverine	Drotaverine Impurity 1	N/A
VL202001	Duloxetine	Duloxetine Impurity A / Duloxetine Related Compound A	910138-96-4
VL202002	Duloxetine	Duloxetine Impurity B	116539-55-0
VL202003	Duloxetine	Duloxetine Impurity E	1033719-36-6 (HCl salt)
VL202004	Duloxetine	Duloxetine Impurity F / Duloxetine Related Compound F	N/A
VL202005	Duloxetine	Duloxetine Propanone Impurity	N/A
VL202006	Duloxetine	Duloxetine Propanol Impurity	N/A
VL202007	Duloxetine	Duloxetine Impurity G	321-38-0
VL202008	Duloxetine	Duloxetine Impurity C	949096-01-9
VL202009	Duloxetine	Duloxetine Related Compound D	N/A
VL202010	Duloxetine	Duloxetine In-House Related Compound A	N/A
VL202011	Duloxetine	Duloxetine phthalamide	199191-67-8
VL202012	Duloxetine	Duloxetine 4-Napthal Isomer	949096-01-9

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VL202013	Duloxetine	Duloxetine Related Compound H	199191-66-7
VL202014	Duloxetine	Duloxetine Dimethylaminopropanol Impurity	116539-56-1
VL202015	Duloxetine	Duloxetine EP Impurity D	90-15-3
VL225001	Dutasteride	Dutasteride Beta Isomer	1648593-70-7
VL225002	Dutasteride	Dutasteride Impurity A ／ Dutasteride Acid Impurity	104239-97-6
VL225003	Dutasteride	Dutasteride Dihydro Impurity	164656-22-8
VL225004	Dutasteride	Dutasteride Ester Impurity	N/A
VL225005	Dutasteride	Dutasteride Impurity B	N/A
VL225006	Dutasteride	Dutasteride Impurity C	157307-36-3
VL225007	Dutasteride	Dutasteride Impurity E	1796930-46-5
VL225008	Dutasteride	Dutasteride Impurity F	1365545-42-1
VL225009	Dutasteride	Dutasteride Impurity G	1430804-85-5
VL225010	Dutasteride	Dutastride Dimethyl amide impurity	N/A
VL225011	Dutasteride	Dutastride Methyl ester impurity	103335-41-7
VL225012	Dutasteride	Dutastride Ethyl ester impurity	157307-36-3
VL225013	Dutasteride	Dutastride chloro Dutastride	1365545-42-1
VL225014	Dutasteride	Dutastride-5ene (17Beta)	N/A
VL225015	Dutasteride	Dutastride-Beta -dimmer	1648593-70-7
VL225016	Dutasteride	Dutasteride Impurity-D ／ Dutasteride 17a-5-ene	N/A
VL225017	Dutasteride	Dutasteride 17α-epimer	1796930-46-5
VL4300004	Ebastine	Ebastine Impurity-C	58258-01-8
VL4300005	Ebastine	Ebastine Impurity-D	97928-18-2
VL4530001	Edaravone	Edaravone N-Oxide	152494-76-3
VL1680001	Efavirenz	Efavirenz Racemic Mixture	177530-93-7
VL1680002	Efavirenz	Efavirenz Ethene Analog	440124-96-9
VL1680003	Efavirenz	Efavirenz Related Compound B	440124-96-9
VL1680004	Efavirenz	Efavirenz Related Compound A	209414-27-7
VL1680005	Efavirenz	Efavirenz Related Compound C	391860-73-4
VL1680006	Efavirenz	Efavirenj Enantiomer	154801-74-8
VL1680007	Efavirenz	Efavirenz Amino Alcohol	N/A
VL2260001	Efinaconazole	EFI-7 Efinaconazole	N/A
VL2260002	Efinaconazole	S,R Diastereomer Efinaconazole	2055038-61-2
VL2260003	Efinaconazole	EFI-9 Efinaconazole	N/A

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VL2260004	Efinaconazole	R,S Diastereomer Efinaconazole	2055038-60-1
VL2260005	Efinaconazole	S,S Diastereomer Efinaconazole	1175536-50-1
VL2260006	Efinaconazole	4-Methylenpiperidine Hydrochloride	144230-50-2
VL2260007	Efinaconazole	N-Methylpirrolidone (NMP)	872-50-4
VL990001	Eletriptan	Eletriptan Related Compound 03 / Eletriptan Related Compound B	N/A
VL990002	Eletriptan	Eletriptan Related Compound 02 / Eletriptan Impurity C	N/A
VL990003	Eletriptan	Eletriptan Related Compound 01 / Eletriptan Related Compound A	N/A
VL990004	Eletriptan	Eletriptan Impurity A	N/A
VL990005	Eletriptan	Eletriptan Impurity B	N/A
VL990006	Eletriptan	Eletriptan Impurity D	N/A
VL990007	Eletriptan	Eletriptan Impurity L	N/A
VL2480001	Empagliflozin	Empagliflozin EGS Impurity	N/A
VL2480002	Empagliflozin	Empagliflozin TMF Impurity	N/A
VL2480003	Empagliflozin	Empagliflozin CHA Impurity	N/A
VL2480004	Empagliflozin	Empagliflozin R-Isomer Impurity	864070-43-9
VL2480005	Empagliflozin	Empagliflozin MAE Impurity	N/A
VL2480006	Empagliflozin	Empagliflozin DGF Impurity	N/A
VL2480007	Empagliflozin	Empagliflozin EAP Impurity	N/A
VL2480008	Empagliflozin	Empagliflozin DGA Impurity	N/A
VL2480009	Empagliflozin	Empagliflozin-monoacetyl-impurity	N/A
VL54001	Emtricitabine	Emtricitabine Hydroxy Impurity / Emtricitabine S-Fluorouracil Analogue	143790-05-0
VL54002	Emtricitabine	Emtricitabine Carboxylic Acid Impurity	1238210-10-0
VL54003	Emtricitabine	Emtricitabine Sulfoxide Impurity / Emtricitabine S-Oxide	152128-77-3
VL54004	Emtricitabine	Emtricitabine Diastereomer	N/A
VL54005	Emtricitabine	Emtricitabine Enantiomer	137530-41-7
VL54006	Emtricitabine	Emtricitabine Sulfoxide-I / (Isomer 1 & 2 Mix)	N/A
VL54007	Emtricitabine	Emtricitabine 5-Fluoro Cytosine	2022-85-7
VL54008	Emtricitabine	Emtricitabine Desamino Impurity	N/A
VL54009	Emtricitabine	Emtricitabine Salicylic Acid	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL54010	Emtricitabine	Emtricitabine Dimer Impurity	1962114-97-1
VL54011	Emtricitabine	Emtricitabine Methylester	N/A
VL54012	Emtricitabine	Emtricitabine Sulfoxides	N/A
VL54013	Emtricitabine	Emtricitabine Impurity 12	N/A
VL54014	Emtricitabine	Emtricitabine Impurity 15	N/A
VL54015	Emtricitabine	Emtricitabine Impurity 10	N/A
VL54016	Emtricitabine	Emtricitabine Sulfoxide Impurity Isomer-1	N/A
VL54017	Emtricitabine	Emtricitabine Sulfoxide Impurity Isomer-2	N/A
VL1360001	Enalapril	Enalapril Impurity A	76420-74-1
VL1360002	Enalapril	Enalapril Impurity B	82717-96-2
VL1360003	Enalapril	Enalapril Impurity C	76420-72-9
VL1360004	Enalapril	Enalapril Impurity D	115729-52-7
VL1360005	Enalapril	Enalapril Impurity E	N/A
VL1360006	Enalapril	Enalapril Impurity F	76391-34-9
VL1360007	Enalapril	Enalapril Impurity G	460720-14-3
VL1360008	Enalapril	Enalapril Impurity H	N/A
VL1360009	Enalapril	Enalapril Impurity I	288-32-4
VL1360010	Enalapril	R-Isomer of ECPP Alanine	N/A
VL1360011	Enalapril	Enalapril Impurity 4 / L-proline	147-85-3
VL1360012	Enalapril	Enalapril Impurity 2 / L-Alanine	56-41-7
VL1360013	Enalapril	Enalapril Dieketopiprazine acid	115623-21-7
VL3550001	Enrofloxacin	Enrofloxacin Impurity B	85721-33-1
VL3550002	Enrofloxacin	Enrofloxacin Desfluoro Compound	138892-82-7
VL3550003	Enrofloxacin	Enrofloxacin Impurity A	86393-33-1
VL2400001	Entacapone	Entacapone Inhouse Impurity C / Entacapone EP Impurity H	1150310-15-8
VL2400002	Entacapone	Entacapone Inhouse Impurity D / Entacapone EP Impurity B	857629-79-9
VL2400003	Entacapone	Entacapone EP Impurity C	116313-85-0
VL2400004	Entacapone	Entacapone Impurity E	7659-29-2
VL2400005	Entacapone	Entacapone Impurity G	1364322-41-7
VL2400006	Entacapone	Entacapone Amide Impurity	158693-01-7
VL2400007	Entacapone	Entacapone EP Impurity A	N/A
VL2400008	Entacapone	Entacapone EP Impurity D	N/A
VL2400009	Entacapone	Entacapone EP Impurity I	N/A
VL2400010	Entacapone	Entacapone EP Impurity F/ Entacapone Acid	N/A
VL2400011	Entacapone	Entacapone N, N-Diethyl Cyanoacetamide	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2050001	Ephedrine	Ephedrine Impurity A	90-63-1
VL4300001	Epinastine	Epinastine Hydrochloride impurity	N/A
VL3990001	Epinephrine	Epinephrine Impurity A	N/A
VL3990002	Epinephrine	Epinephrine Impurity B	51-41-2
VL3990003	Epinephrine	Epinephrine Impurity C	62-13-5
VL3990004	Epinephrine	Epinephrine Impurity D	1095714-91-2
VL3990005	Epinephrine	Epinephrine Impurity E	N/A
VL3990006	Epinephrine	Epinephrine Impurity F	N/A
VL2460001	Erlotinib	Erlotinib Impurity 1	N/A
VL2460002	Erlotinib	Erlotinib Impurity 2	N/A
VL2460003	Erlotinib	Erlotinib Impurity 3	N/A
VL2460004	Erlotinib	Erlotinib Impurity 4	N/A
VL2460005	Erlotinib	Erlotinib Chloro impurity	183322-18-1
VL2460006	Erlotinib	Erlotinib Amine impurity	N/A
VL2460007	Erlotinib	Erlotinib impurity 26	N/A
VL2460008	Erlotinib	Erlotinib Impurity 7 HCL	N/A
VL2460009	Erlotinib	Erlotinib lactum Impurity	179688-29-0
VL2460010	Erlotinib	Erlotinib Impurity 6	N/A
VL2460011	Erlotinib	Erlotinib Impurity 19	N/A
VL2460012	Erlotinib	Erlotinib impurity 13	N/A
VL2460013	Erlotinib	Erlotinib Impurity 10	N/A
VL2460014	Erlotinib	Erlotinib Impurity 16	N/A
VL690001	Erythromycin	Erythromycin A Oxime Impurity	13127-18-9
VL690002	Erythromycin	Erythromycin A Imino Ester Impurity / Erythromycin (6,9-Imino Ether)	99290-97-8
VL690003	Erythromycin	Erythromycin Impurity G	N/A
VL690004	Erythromycin	Erythromycin EP Impurity C	41451-91-6
VL690005	Erythromycin	Erythromycin EP Impurity A	82230-93-1
VL690006	Erythromycin	N-DEMETHYLERYTHROMYCIN A	992-62-1
VL690007	Erythromycin	Enol-Ether- Erythromycin A	33396-29-1
VL690008	Erythromycin	Erythromycin Impurity F / Pseudo-Enol-Ether-Erythromycin A	105882-69-7
VL690009	Erythromycin	Erythromycin Impurity B	527-75-3
VL690010	Erythromycin	Erythromycin Impurity D	23893-13-2
VL690011	Erythromycin	Erythromycin Impurity F	105882-69-7
VL690012	Erythromycin	Anhydroerythromycin A	23893-13-2
VL690013	Erythromycin	Erythromycin EP Impurity H	992-65-4

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VL690014	Erythromycin	Erythromycin EP Impurity L	N/A
VL690015	Erythromycin	Erythromycin N-Ethyl succinate	N/A
VL690016	Erythromycin	Erythromycin A enol ether	33396-29-1
VL690017	Erythromycin	Erythromycin Impurity I	546-57-6
VL690018	Erythromycin	Erythromycin Impurity J	105900-46-7
VL690019	Erythromycin	Erythromycin Impurity N	N/A
VL690020	Erythromycin	Erythromycin EP Impurity E	33396-29-1
VL690021	Erythromycin	Erythromycin Related impurity B	N/A
VL690022	Erythromycin	Erythromycin Related impurity D	N/A
VL690023	Erythromycin	Erythromycin Related impurity E	N/A
VL690024	Erythromycin	Erythromycin Related impurity F	N/A
VL1570001	Escitalopram	Escitalopram Oxalate / (S-Isomer)	219861-08-2
VL1570002	Escitalopram	Escitalopram Desfluoro Impurity	1346617-30-8
VL1570003	Escitalopram	Escitalopram Impurity C / Citalopram Impurity C / Citalopram Related Compound C	372941-54-3
VL1570004	Escitalopram	Escitalopram Impurity A / Citalopram Impurity A	64372-56-1
VL1570005	Escitalopram	Escitalopram Impurity B / Citalopram EP Impurity B / Citalopram Related Compound B	411221-53-9
VL1570006	Escitalopram	Escitalopram Impurity D / Citalopram Related Compound D	62498-67-3 (base) ; 97743-99-2 (HCl) ; 1188264-72-3 (HBr) ;
VL1570007	Escitalopram	Escitalopram Impurity E / Escitalopram Related Compound A	103146-26-5 (HBr salt) ; 103146-25-4 (base)
VL1570008	Escitalopram	Escitalopram Impurity F	N/A
VL1570009	Escitalopram	Escitalopram Impurity G	1329745-98-3 (base)
VL1570010	Escitalopram	Escitalopram Impurity H / Escitalopram Related Compound E	62498-71-9
VL1570011	Escitalopram	Escitalopram Impurity I	N/A
VL1570012	Escitalopram	Escitalopram Impurity J	N/A
VL1570013	Escitalopram	Escitalopram Impurity	N/A

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VL1570014	Escitalopram	Escitalopram Impurity L / Desfluro Impurity	1346617-30-8
VL1570015	Escitalopram	Escitalopram Impurity M / Citalopram In House Impurity B	N/A
VL1570016	Escitalopram	Citalopram Impurity F	64169-39-7
VL1570017	Escitalopram	Citalopram Impurity I	N/A
VL1570018	Escitalopram	Escitalopram Impurity K	219861-53-7 (oxalate salt) ; 128196-02-1 (base)
VL1570019	Escitalopram	Escitalpram Desfluoro Diol Impurity	N/A
VL1570020	Escitalopram	Escitalopram Oxalate Impurity F	N/A
VL1570021	Escitalopram	R-Isomer escitalopram impurity	N/A
VL1570022	Escitalopram	Escitalopram Related Compound A	128173-53-5
VL3890001	Esmolol	Esmolol Dimer	N/A
VL2120001	Estradiol	6β-Hydroxy Estradiol	N/A
VL2120002	Estradiol	6α-Hydroxy Estradiol	1229-24-9
VL2120003	Estradiol	6,7-Dehydro Estradiol	7291-41-0
VL2120004	Estradiol	Estradiol Related Compound C / 6-Keto-Estradiol	571-92-6
VL2120005	Estradiol	Estradiol Related Compound B	7291-41-0
VL2120006	Estradiol	△9,11 Estradiol	791-69-5
VL2120007	Estradiol	△6,7- Estradiol	N/A
VL2120008	Estradiol	17α-Estradiol	57-91-0
VL2120009	Estradiol	4-Methyl Estradiol	6171-48-8
VL2120010	Estradiol	Delta 9 (11) Ehtynylestradiol / Ethynylestradiol EP Impurity B	1231-96-5
VL2120011	Estradiol	16 Keto Ehtynyl Estradiol / Ethynylestradiol Impurity H	1350468-76-6
VL2120012	Estradiol	Ethinylestradiol EP impurity L / Alpha-Estradiol / Estradiol 17α-Hydroxy Impurity	57-91-0
VL2120013	Estradiol	Ethinylestradiol EP Impurity D / β-Estradiol	50-28-2
VL2120014	Estradiol	Estradiol EP Impurity A	4717-38-8
VL780001	Eszopiclone	Eszopiclone Semiketal	N/A
VL780002	Eszopiclone	Eszopiclone 2,3-Pyrazine Dicarboxylic Acid	89-01-0

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VL780003	Eszopiclone	Zopiclone EP Impurity A	43200-96-0
VL780004	Eszopiclone	Eszopiclone Impurity	N/A
VL780005	Eszopiclone	Eszopiclone Impurity D	N/A
VL780006	Eszopiclone	Zopiclone Impurity B	43200-81-3
VL780007	Eszopiclone	Eszopiclone Impurity C	148891-53-6
VL1150001	Ethambutal	Ethambutal Impurity D	N/A
VL440001	Ethylphenidate	Ethylphenidate Impurity	N/A
VL4320001	Etilefrine	Etilefrine EP Impurity F	14321-27-8
VL2000001	Etodolac	Etodolac Impurity D	57917-63-2
VL2000002	Etodolac	Etodolac Impurity E	57817-27-3
VL2000003	Etodolac	Etodolac Impurity F	849630-65-5
VL2000004	Etodolac	Etodolac Impurity G	57816-83-8
VL2000005	Etodolac	Etodolac Impurity B	41340-19-6
VL2000006	Etodolac	Etodolac Methyl Ester Impurity	122188-02-7
VL2000007	Etodolac	Etodolac Impurity A	41339-67-7
VL2000008	Etodolac	Etodolac Impurity C / Etodolac Related Compound A	109518-50-5
VL2000009	Etodolac	Etodolac Impurity H	41340-36-7
VL2000010	Etodolac	Etodolac Impurity J	115066-03-0
VL2000011	Etodolac	Etodolac Impurity K	122188-02-7
VL1020001	Etoricoxib	Etoricoxib Impurity D	221615-75-4
VL1020002	Etoricoxib	Etoricoxib Related Compound A	10297-73-1
VL1020003	Etoricoxib	Etoricoxib Related Compound B	90536-66-6
VL1020004	Etoricoxib	Etoricoxib Related Compound C	249561-98-6
VL1020005	Etoricoxib	Etoricoxib Impurity E	5470-70-2
VL2280001	Everolimus	Everolimus Impurity C	1062122-63-7
VL2280002	Everolimus	Everolimus Impurity D	708118-13-1
VL2280003	Everolimus	Everolimus Impurity E	147438-30-0
VL2280004	Everolimus	Everolimus T-Butyldimethylsilyl Ether	159351-68-5
VL3690001	Exemestane	Exemestane related comound C	0897-06-03
VL3690002	Exemestane	Exemestane related comound D	N/A
VL3690003	Exemestane	6-Alfa Isomer of Exemestane / (alpha epoxide)	184972-12-1
VL3690004	Exemestane	6-Beta Isomer of Exemestane (beta epoxide) / (beta epoxide)	152764-31-3
VL3690005	Exemestane	Exemestane EP Impurity E	19457-55-7
VL3690006	Exemestane	Exemestane Impurity 5	N/A
VL203001	Ezetimibe	Ezetimibe SRS Impurity	N/A

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VL203002	Ezetimibe	Ezetimibe SRR Impurity	1593542-96-1
VL203003	Ezetimibe	Ezetimibe Des-Fluoroaniline Analog	302781-98-2
VL203004	Ezetimibe	Ezetimibe M-Fluoroaniline Analog	1700622-06-5
VL203005	Ezetimibe	Ezetimibe O-Fluorobenzene Isomer	1798008-25-9
VL203006	Ezetimibe	R,R,R - Ezetimibe	1593542-96-1
VL203007	Ezetimibe	Ezetimibe Tetrahydropyran Analog	1296129-15-1
VL203008	Ezetimibe	Ezetimibe Ketone Impurity	191330-56-0
VL203009	Ezetimibe	S,S,S - Ezetimibe	1593543-07-7
VL203010	Ezetimibe	RRS Ezetimibe	163380-16-3
VL203011	Ezetimibe	SSR-Ezetimibe	1593543-00-0
VL203012	Ezetimibe	RSR-Ezetimibe	1376614-99-1
VL203013	Ezetimibe	Ezetimibe Desfluro Impurity A	302781-98-2
VL203014	Ezetimibe	Ezetimibe Desfluro Impurity B	N/A
VL203015	Ezetimibe	Ezetimibe Cyclic Ether Impurity	N/A
VL203016	Ezetimibe	Ezetimibe Benzylated Impurity	N/A
VL203017	Ezetimibe	Ezetimibe Diol Impurity	1374250-08-4
VL203018	Ezetimibe	Ezetimibe Other Isomer / R-Isomer Ezetimibe	163380-16-3
VL203020	Ezetimibe	Benzoyl Impurity of Ezetimibe	N/A
VL203021	Ezetimibe	Cyclized Impurity of Ezetimibe	N/A
VL203022	Ezetimibe	Ezetimibe diastereomers	N/A
VL203023	Ezetimibe	Ezetimibe Impurity C	N/A
VL203024	Ezetimibe	Ezetimibe Impurity D	N/A
VL56001	Famotidine	Famotidine Impurity C / Famotidine Related Compound C	76824-17-4
VL56002	Famotidine	Famotidine Impurity D / Famotidine Related Compound D	76824-16-3
VL56003	Famotidine	Famotidine Impurity E / Famotidine Related Compound E	129083-44-9
VL56004	Famotidine	Famotidine Impurity F / Famotidine Related Compound F	107880-74-0
VL56005	Famotidine	Famotidine Cyanoamidine	76823-97-7
VL56006	Famotidine	Famotidine Amidine	N/A
VL56007	Famotidine	Famotidine Impurity H	88046-01-9

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VL56008	Famotidine	Famotidine Impurity I	1020719-36-1
VL56009	Famotidine	Famotidine Impurity J	76824-14-1
VL56010	Famotidine	Famotidine Impurity A / Famotidine Related Compound A	88061-72-7
VL56011	Famotidine	Famotidine Impurity B / Famotidine Related Compound B	89268-62-2
VL56012	Famotidine	Famotidine Impurity G	76823-97-7
VL56013	Famotidine	Famotidine Sulfamide Impurity	N/A
VL56014	Famotidine	Famotidine Sulfoxide	90237-03-9.
VL730001	Febuxostat	Febuxostate Decarboxy Impurity	1239233-87-4
VL730002	Febuxostat	Febuxostate Impurity C	N/A
VL730003	Febuxostat	Febuxostate Impurity D	N/A
VL730004	Febuxostat	Febuxostat Impurity 1	N/A
VL730005	Febuxostat	Febuxostat Impurity 2	N/A
VL730006	Febuxostat	Febuxostat Amide Impurity	1239233-86-3
VL730007	Febuxostat	Febuxostat Acid Impurity	N/A
VL730008	Febuxostat	Febuxostat Impurity 11	N/A
VL730009	Febuxostat	Febuxostat Diacid Impurity	N/A
VL3120001	Felodipine	Felodipine Impurity B	91189-59-2
VL3120002	Felodipine	Felodipine Impurity C	79925-38-5
VL3120003	Felodipine	Felodipine Impurity A	96382-71-7
VL59001	Fenofibrate	Fenofibrate Impurity A	42019-78-3
VL59002	Fenofibrate	Fenofibrate Impurity B / Fenofibrate Related Compound B	42017-89-0
VL59003	Fenofibrate	Fenofibrate Impurity C	217636-47-0
VL59004	Fenofibrate	Fenofibrate Impurity D	42019-07-8
VL59005	Fenofibrate	Fenofibrate Impurity E	42019-08-9
VL59006	Fenofibrate	Fenofibrate Impurity F	154356-96-4
VL59007	Fenofibrate	Fenofibrate Impurity G / Fenofibrate Related Compound C	217636-48-1
VL59008	Fenofibrate	Fenofibrate EP Impurity F / (4-Chlorophenyl) (4-Isopropoxyphenyl) Methanone	154356-96-4.
VL59009	Fenofibrate	(4-Chlorophenyl)4-Methoxyphenyl)Methanone	N/A
VL57001	Fentanyl	Fentanyl Impurity E	100-52-7
VL57002	Fentanyl	Fentanyl Impurity D	N/A
VL57003	Fentanyl	Fentanyl Impurity G	3258-84-2
VL3560001	Fenticonazole	Fenticonazole Impurity A / Econazole EP Impurity A	24155-42-8
VL400001	Fesoterodine	Fesoterodine Impurity B	1208313-13-6

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VL400002	Fesoterodine	Fesoterodine Diol Dimer	N/A
VL400003	Fesoterodine	Fesoterodine Fumarate	N/A
VL261001	Fexofenadine	Fexofenadine EP Impurity A / Fexofenadine Related Compound A	76811-98-8
VL261002	Fexofenadine	Fexofenadine EP Impurity B	479035-75-1
VL261003	Fexofenadine	Fexofenadine EP Impurity C	185066-37-9
VL261004	Fexofenadine	Fexofenadine EP Impurity D	154825-96-4
VL261005	Fexofenadine	Fexofenadine N-Oxide	1422515-52-3
VL261006	Fexofenadine	Decarboxylated degradant	N/A
VL261007	Fexofenadine	Tertiary dehydrated impurity	N/A
VL261008	Fexofenadine	Fexofenadine EP Impurity E	115-46-8
VL2990001	Finasteride	Finasteride Impurity C	1329611-51-9
VL2990002	Finasteride	Finasteride Impurity A	98319-24-5
VL1270001	Fingolimod	Fingolimod 4-Hydroxy / FI8 Hydroxy Impurity	N/A
VL1270002	Fingolimod	Fingolimod N-Methyl Impurity	162361-47-9
VL1270003	Fingolimod	Fingolimod Acetyl Amide	249289-10-9
VL1270004	Fingolimod	Fingolimod Formamide Impurity	N/A
VL1270005	Fingolimod	Fingolimod Palmitate Amide Impurity	1242271-26-6
VL1270006	Fingolimod	Fingolimod Stearate Amide Impurity	1242271-27-7
VL1270007	Fingolimod	FIM8 Monohydroxy Methyl Fingolimod	N/A
VL1270008	Fingolimod	N,N-Dimethyl Fingolimod	1404433-87-9
VL1270009	Fingolimod	FIM8 Nonane Impurity / Nonyl	296282-40-1
VL1270010	Fingolimod	FIM6 Fingolimod	1201794-93-5
VL1270011	Fingolimod	FIM8 Heptane Impurity / Heptyl	745767-97-9
VL1270012	Fingolimod	Fingolimod Impurity 1	N/A
VL1270013	Fingolimod	Fingolimod Impurity 7	N/A
VL1270014	Fingolimod	Fingolimod Impurity 12	N/A
VL1270015	Fingolimod	O-Acetyl fingolimod	1807973-92-7
VL1270016	Fingolimod	Fingolimod decyl homolog	N/A
VL1270017	Fingolimod	Fingolimod hexyl homolog	1201794-93-5
VL1270018	Fingolimod	2-Phenethyl fingolimod analog	851039-25-3
VL1270019	Fingolimod	3-Phenethyl fingolimod analog	851039-24-2

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VL1270020	Fingolimod	Fingolimod Hydrochloride	162359-56-0
VL1270021	Fingolimod	Fingolimod HCl Impurity-1	899822-99-2
VL1270022	Fingolimod	Fingolimod HCl Impurity-2	162358-96-5
VL1270023	Fingolimod	Fingolimod nitro diol impurity	374077-88-0
VL4550001	Flavoxate	Flavoxate Impurity A	572708
VL4550002	Flavoxate	Flavoxate Impurity B	35888-94-9
VL4550003	Flavoxate	Flavoxate Impurity C	N/A
VL1140001	Flecainide	Flecainide Impurity A	N/A
VL1140002	Flecainide	Flecainide Impurity B	22990-77-8
VL1140003	Flecainide	Flecainide Impurity C	152171-74-9
VL1140004	Flecainide	Flecainide Impurity D	35480-52-5
VL1140005	Flecainide	Flecainide Impurity E	57415-36-8
VL1140006	Flecainide	Flecainide Acid Impurity	35480-52-5
VL44000001	Flucloxacillin	Flucloxacillin Sodium Impurity D	3919-74-2
VL60001	Fluconazole	Fluconazole Impurity B / Fluconazole Related Compound A / Fluconazole BP Impurity B	871550-15-1
VL60002	Fluconazole	Fluconazole Related Compound B	81886-51-3
VL60003	Fluconazole	Fluconazole Related Compound C / Fluconazole EP Impurity C	514222-44-7
VL60004	Fluconazole	Fluconozole Impurity I	150168-54-0
VL60005	Fluconazole	Fluconazole Impurity A	89429-59-4
VL60006	Fluconazole	Fluconazole Impurity 6	N/A
VL60007	Fluconazole	Fluconazole Impurity 7 (Trimethylsulfoxonium Iodide)	1774-47-6
VL60008	Fluconazole	Fluconazole EP Impurity E	86404-63-9
VL4780001	Flumequine	Flumequine Impurity B as per EP	N/A
VL2900001	Flunarizine	Flunarizine Impurity A	27469-60-9
VL2900002	Flunarizine	Flunarizine Impurity B	39245-25-5
VL2900003	Flunarizine	Flunarizine Impurity C	90830-31-2
VL4310001	Flunixin	Flunixin EP Impurity B / 2-Methyl-3-trifluoromethylaniline	54396-44-0
VL4310002	Flunixin	Flunixin EP Impurity C	1452-94-4
VL4310003	Flunixin	Flunixin EP Impurity A	2942-59-8
VL4610001	Fluorouracil	Fluorouracil Impurity A	67-52-7
VL4610002	Fluorouracil	Fluorouracil Impurity B	496-76-4
VL4610003	Fluorouracil	Fluorouracil Impurity C	66-22-8
VL4610004	Fluorouracil	Fluorouracil Impurity D	6623-81-0
VL4610005	Fluorouracil	Fluorouracil Impurity E	1820-81-1
VL4610006	Fluorouracil	Fluorouracil Impurity F	56177-80-1

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1780001	Fluoxetine	Fluoxetine Impurity A	42142-52-9
VL1780002	Fluoxetine	Fluoxetine Impurity B	23580-89-4
VL1780003	Fluoxetine	Fluoxetine Impurity C / Fluoxetine Related Compound A	56161-72-9
VL1780004	Fluoxetine	Fluoxetine Impurity I	1212215-97-8
VL1780005	Fluoxetine	Fluoxetine Dimethyl Amine Impurity	N/A
VL1780006	Fluoxetine	Fluoxetine 4-Trifluoro Methyl Phenol	402-45-9
VL1780007	Fluoxetine	Fluoxetine Related Compound C	1026723-45-4
VL1780008	Fluoxetine	Fluoxetine 2-Isomer	N/A
VL1780009	Fluoxetine	Fluoxetine Impurity	N/A
VL1780011	Fluoxetine	Fluoxetine Impurity D	23580-89-4
VL1780012	Fluoxetine	Fluoxetine Inhouse Impurity(3-Chloropropiophenone)	936-59-4
VL1780013	Fluoxetine	Fluoxetine Impurity-3 HCl salt	N/A
VL1770001	Fluphenazine	Fluphenazine Decanoate N-Oxide-1	76013-31-5
VL1770002	Fluphenazine	Fluphenazine Decanoate N-Oxide-2	N/A
VL1770003	Fluphenazine	Fluphenazine S-Oxide Impurity	N/A
VL1770004	Fluphenazine	Fluphenazine	N/A
VL1770005	Fluphenazine	Fluphenazine Enantate Impurity	N/A
VL1770006	Fluphenazine	Fluphenazine Octanoate Impurity	N/A
VL1770007	Fluphenazine	Fluphenazine Nonanoate Impurity	N/A
VL1770008	Fluphenazine	Fluphenazine Dihydrochloride Impurity A	1674-76-6
VL1770009	Fluphenazine	Fluphenazine Dihydrochloride Impurity B	1476-79-5
VL1770010	Fluphenazine	Fluphenazine Dihydrochloride Impurity C	N/A
VL1770011	Fluphenazine	Fluphenazine Dihydrochloride Impurity D	2376-89-8
VL1770012	Fluphenazine	Fluphenazine Dihydrochloride Impurity E	58-39-9
VL1770013	Fluphenazine	Fluphenazine Dihydrochloride Impurity F	N/A
VL3090001	Flurbiprofen	Flurbiprofen Related Compound A	6341-72-6
VL3090002	Flurbiprofen	Flurbiprofen EP Impurity A	6341-72-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1000001	Fluticasone	Fluticasone Impurity G / Fluticasone Related Compound E / Dimer Impurity	220589-37-7
VL1000002	Fluticasone	Fluticasone Related Compound A	N/A
VL1000003	Fluticasone	Fluticasone Related Compound B	219719-95-6
VL1000004	Fluticasone	Fluticasone Related Compound C	N/A
VL1000005	Fluticasone	Fluticasone Related Compound D / Fluticasone EP Impurity D	73205-13-7
VL1000006	Fluticasone	Fluticasone Impurity A	65429-42-7
VL1000007	Fluticasone	Fluticasone Related Compound J	28416-82-2
VL1000008	Fluticasone	Fluticasone Propionate Dithioacid	N/A
VL1000009	Fluticasone	Fluticasone Carbothioic Acid Impurity	80474-45-9
VL1000010	Fluticasone	Fluticasone Thioacid Impurity	N/A
VL3460001	Fluvastatin	Anti Isomer of fluvastatin	N/A
VL3460002	Fluvastatin	Fluvastatin Methyl ester	93957-53-0
VL2690001	Fluvoxamine	Fluvoxamine Impurity G	192876-02-1
VL2690002	Fluvoxamine	Fluvoxamine Impurity F	1217262-11-7
VL2690003	Fluvoxamine	Fluvoxamine Z-Isomer	917096-37-8
VL2690004	Fluvoxamine	Fluvoxamine Adduct Impurity	N/A
VL2690005	Fluvoxamine	Fluvoxamine Valerophenone Impurity	N/A
VL2690006	Fluvoxamine	Fluvoxamine BP Impurity I	N/A
VL2690007	Fluvoxamine	Fluvoxamine BP Impurity J	N/A
VL3520001	Folic acid	Folic acid Impurity A	4271-30-1
VL3520002	Folic acid	Folic acid Impurity B	1004-75-7
VL3520003	Folic acid	Folic acid Impurity C	47707-78-8
VL3520004	Folic acid	Folic acid Impurity D	119-24-4
VL3520005	Folic acid	Folic acid Impurity E	1391068-26-0
VL3520006	Folic acid	Folic acid Impurity F	1391194-56-1
VL3520007	Folic acid	Folic acid 4-Amino benzoic acid	150-13-0
VL1700001	Formoterol	Formoterol Impurity A	150513-24-9
VL1700002	Formoterol	Formoterol Impurity B	1224588-66-2
VL1700003	Formoterol	Formoterol Impurity C	1224588-66-2
VL1700004	Formoterol	Formoterol Impurity D	1795133-96-8
VL1700005	Formoterol	Formoterol Impurity E	1616967-26-0
VL1700006	Formoterol	Formoterol Impurity F	1795129-59-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1700007	Formoterol	Formoterol Ep Impurity G / Benzeneethanamine	3706-26-1
VL1700008	Formoterol	Formoterol Impurity H	N/A
VL1700009	Formoterol	Formoterol Amine Impurity	43229-65-8
VL1700010	Formoterol	Formoterol Impurity I / Formoterol Related Compound I	532414-36-1
VL2980001	Fosinopril	Fosinopril Impurity H	N/A
VL2980002	Fosinopril	Fosinopril Impurity A	95399-71-6
VL2980003	Fosinopril	Fosinopril Impurity B	1910773-95-3
VL2980004	Fosinopril	Fosinopril Impurity C	474519-28-3
VL2980005	Fosinopril	Fosinopril Impurity D	N/A
VL2980006	Fosinopril	Fosinopril Impurity G	N/A
VL4050001	Fosnetupitant	fosnetupitant 2-(diethylboranyl) pyridine	N/A
VL4050002	Fosnetupitant	fosnetupitant 4-(diethylboranyl) pyridine	N/A
VL4050003	Fosnetupitant	fosnetupitant 2,3-bis(diethylboranyl) pyridine	N/A
VL4050004	Fosnetupitant	fosnetupitant 2,4-bis(diethylboranyl) pyridine	N/A
VL4050005	Fosnetupitant	fosnetupitant 2,5-bis(diethylboranyl) pyridine	N/A
VL4050006	Fosnetupitant	fosnetupitant 2,6-bis(diethylboranyl) pyridine	N/A
VL4050007	Fosnetupitant	fosnetupitant 3,4-bis(diethylboranyl) pyridine	N/A
VL4050008	Fosnetupitant	fosnetupitant 3,5-bis(diethylboranyl) pyridine	N/A
VL234001	Fulvestrant	6-Keto Fulvestrant	N/A
VL234002	Fulvestrant	Fulvestrant Beta Isomer / 7B Isomer Impurity	407577-53-1
VL234003	Fulvestrant	Fulvestrant Extended	N/A
VL234004	Fulvestrant	Fulvestrant Sulfone	98008-06-1
VL234005	Fulvestrant	Delta 6, 7-Fulvestrant Impurity / Fulvestrant Impurity E	2170200-14-1
VL234006	Fulvestrant	Fulvestrant Sterol Dimer	N/A
VL234007	Fulvestrant	17-Keto Fulvestrant	403656-89-3
VL234009	Fulvestrant	Fulvestrant Impurity 8	N/A
VL61001	Furosemide	Furosemide Impurity D	5046-19-5
VL61002	Furosemide	Furosemide Impurity E	50-84-0
VL61003	Furosemide	Furosemide Impurity A / Furosemide Related Compound A	4818-59-1
VL61004	Furosemide	Furosemide Impurity C	3086-91-7
VL61005	Furosemide	Furosemide Impurity B	2736-23-4
VL61006	Furosemide	Furosemide Impurity F	4793-38-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2930001	Fusidic Acid	Fusidic Acide Impurity G/3-Keto	4680-37-9
VL75001	Gabapentin	Gabapentin Related Compound A / Gabapentine EP Impurity A	64744-50-9
VL75002	Gabapentin	Gabapentine Related Compound B / Gabapentine EP Impurity B	133481-09-1
VL75003	Gabapentin	Gabapentin Related Compound E / Gabapentin Impurity E	667465-00-1
VL75004	Gabapentin	Gabapentine Lactose Adduct	N/A
VL75005	Gabapentin	Gabapentin Lactum	64744-50-9
VL75006	Gabapentin	Gabapentin Related Compound D	1076198-17-8
VL75007	Gabapentin	Gabapentin Impurity G	1500558-49-5
VL75008	Gabapentin	Gabapentin 1,1-Cyclohexane diacetic acid monoamide (CDMA)	99189-60-3
VL75009	Gabapentin	Gabapentin 1,1-Cyclohexane diacetic acid (CDA)	N/A
VL75010	Gabapentin	Gabapentin Cyclic Impurity	N/A
VL75011	Gabapentin	Gabapentin Acid Impurity	1281568-83-9
VL75012	Gabapentin	Gabapentin Allyl Impurity	N/A
VL75013	Gabapentin	Gabapentin Impurity C	N/A
VL75014	Gabapentin	Gabapentin Unknown Impurity Isolation & Purification	N/A
VL75015	Gabapentin	Desmethylated beta amino acid impurity / Gabapentin Related Impurity	N/A
VL75016	Gabapentin	Gabapentin Isopropyl 2-(1-(amino methyl)cyclohexyl)acetate	N/A
VL75017	Gabapentin	Gabapentin Impurity 2	N/A
VL75018	Gabapentin	Gabapentin (2-Azaspiro[4.5]decane-1,3-dione)	N/A
VL75019	Gabapentin	Gabapentin (1-Hydroxy-2-Azaspiro[4,5]Decan-3-One	N/A
VL239001	Gatifloxacin	Gatifloxacin Impurity A / 8-Hydroxy Gatifloxacin	616205-76-6
VL239002	Gatifloxacin	Gatifloxacin Impurity 1 / Difluorohydroxy / Gatifloxacin USP Impurity B	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL239003	Gatifloxacin	Difluoromethoxy Gatifloxacin	N/A
VL239004	Gatifloxacin	Desmethyl Gatifloxacin	616205-76-6
VL239005	Gatifloxacin	Isogatifloxacin	N/A
VL4010001	Gefitinib	Gefitinib Impurity-III	N/A
VL4010002	Gefitinib	Gefitinib Impurity V	N/A
VL4010003	Gefitinib	Gefitinib Impurity VI	N/A
VL4010004	Gefitinib	Gefitinib Impurity 4	N/A
VL4010005	Gefitinib	Gefitinib Impurity 10	N/A
VL4010006	Gefitinib	Gefitinib Impurity 2	N/A
VL4010007	Gefitinib	Gefitinib Impurity 12	N/A
VL4010008	Gefitinib	Gefitinib Impurity_ (6,7 dimethoxy 3,4 -dihdroquino 4-one)	N/A
VL72001	Gemcitabine	Gemcitabine Alpha-Anomer	134790-39-9
VL3720001	Gemfibrozil	Gemfibrozil Impurity A (p-xylenol)	95-87-4
VL3720002	Gemfibrozil	Gemfibrozil methyl ester	149105-25-9
VL2510001	Genfibrozil	Genfibrozil Impurity A	N/A
VL2510002	Genfibrozil	Genfibrozil Methyl Ester	149105-25-9
VL2470001	Glibenclamide	Glibenclamide Impurity A	16673-34-0
VL2470002	Glibenclamide	Glibenclamide Impurity B	21165-77-5
VL2470003	Glibenclamide	Glibenclamide Impurity C	10079-35-3
VL650001	Gliclazide	Gliclazide Impurity F	1076198-18-9
VL650002	Gliclazide	Gliclazide Impurity B	54786-86-6
VL650003	Gliclazide	Gliclazide Impurity A	70-55-3
VL650004	Gliclazide	Gliclazide Impurity C	5577-13-9
VL71001	Glimepiride	Glimepiride Related Compound A / Glimepiride Impurity A	684286-46-2
VL71002	Glimepiride	Glimepiride Related Compound B / Glimepiride Impurity B	119018-29-0
VL71003	Glimepiride	Glimepiride Related Compound C / Glimepiride Impurity C	119018-30-3
VL71004	Glimepiride	Glimepiride Related Compound D / Glimepiride EP Impurity D	791104-62-6
VL71005	Glimepiride	Glimepiride Impurity E	N/A
VL71006	Glimepiride	Glimepiride Impurity F	N/A
VL71007	Glimepiride	Glimepiride Impurity G	N/A
VL71008	Glimepiride	Glimepiride Impurity H	N/A
VL71009	Glimepiride	Glimepiride Impurity J	41176-98-1
VL71010	Glimepiride	Glimepiride Impurity I	878480-70-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL71011	Glimepiride	Trans-4-methylcyclohexylisocyanate	N/A
VL71012	Glimepiride	Chlorosulfonic acid	N/A
VL66001	Glipizide	Glipizide Related Compound A	33288-71-0
VL66002	Glipizide	Glipizide Methyl Carbamate	33288-74-3
VL66003	Glipizide	Glipizide Isopropyl Carbamate	N/A
VL66004	Glipizide	Ethyl Carbamate of Glipizide	N/A
VL66005	Glipizide	Glipizide Related Compound B	N/A
VL66006	Glipizide	Glipizide Related Compound C	66375-96-0
VL66007	Glipizide	Glipizide Impurity F	192118-08-4
VL66008	Glipizide	Glipizide EP Impurity H	10080-05-4
VL66009	Glipizide	Glipizide impurity C	13554-93-3
VL66010	Glipizide	Glipizide impurity D	1346600-54-1
VL69001	Glyburide	Glyburide (Glibenclamide)Related Compound A	16673-34-0
VL69002	Glyburide	Glibenclamide Impurity E / Glyburide Impurity	57334-89-1
VL69003	Glyburide	Glyburide Realted Compound C	N/A
VL69004	Glyburide	Glyburide Related Compound D	N/A
VL3880001	Glycopyrrolate	Glycopyrrolate Related compound B	13118-10-0
VL3880002	Glycopyrrolate	Glycopyrrolate Related compound C	427-49-6
VL3880003	Glycopyrrolate	Glycopyrrolate Related compound L	19833-96-6
VL3880004	Glycopyrrolate	Glycopyrrolate Benzoic acid	N/A
VL3880005	Glycopyrrolate	Erythro glycopyrrolate	N/A
VL3880006	Glycopyrrolate	Didehydroglycopyrrolate	N/A
VL2410001	Glycopyrronium	Glycopyrronium Bromide Impurity B	611-73-4
VL2410002	Glycopyrronium	Glycopyrronium Bromide Impurity C	90-64-2
VL2410003	Glycopyrronium	Glycopyrronium Bromide Impurity D	N/A
VL2410004	Glycopyrronium	Glycopyrronium Bromide Impurity F	100-52-7
VL2410005	Glycopyrronium	Glycopyrronium Bromide Impurity H	15206-55-0

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2410006	Glycopyrronium	Glycopyrronium Bromide Impurity J	N/A
VL2410007	Glycopyrronium	Glycopyrronium Bromide Impurity L	N/A
VL2410008	Glycopyrronium	Glycopyrronium Bromide Impurity M	5422-88-8
VL2410009	Glycopyrronium	Glycopyrronium Bromide Impurity O	618-88-2
VL2410010	Glycopyrronium	Glycopyrronium Bromide Impurity E	N/A
VL2410011	Glycopyrronium	Glycopyrronium Bromide Impurity I	1404617-94-2
VL2410012	Glycopyrronium	Glycopyrronium Bromide Impurity N	N/A
VL247001	GOD	GOD Impurity	N/A
VL4210001	Granisetron	Granisetron impurity G	34252-44-3
VL4210002	Granisetron	Granisetron impurity H	4498-67-3
VL235001	Guaifenesin	Guaifenesin Impurity C	1797132-23-0
VL235002	Guaifenesin	Guaifenesin Impurity D	16929-60-5
VL235003	Guaifenesin	Guaifenesin Impurity B / Beta Isomer	14007-09-1
VL235005	Guaifenesin	Guaifenesin Impurity A / Guaiacol Impurity A	90-05-1
VL235006	Guaifenesin	4-[(2-methoxyphenoxy)methyl]-1,3-dioxolan-2-one	2049-21-0
VL235007	Guaifenesin	2,6-dichlorophenylacetic acid	6575-24-2
VL235008	Guaifenesin	Methyl 2,6-dichlorophenylacetate	54551-83-6
VL235009	Guaifenesin	Guanidine HCl	50-01-1
VL2370001	Halobetasol	Halobetasol 21-Chloro Diflorasone	98651-66-2
VL1120001	Haloperidol	Haloperidol Impurity B / Haloperidol Related Compound B	1391052-53-1
VL1120002	Haloperidol	Haloperidol Impurity A	3109-12-4
VL1120003	Haloperidol	Haloperidol Impurity D	67987-08-0
VL1120004	Haloperidol	Haloperidol N-Oxide (Byproduct-11)	148406-51-3
VL1120005	Haloperidol	4-Fluorobenzoic Acid (By Product-02)	456-22-4
VL1120006	Haloperidol	4-Chloro-1-(4-fluorophenyl)Butan-1-One(By-Product-3)	N/A
VL1120007	Haloperidol	Haloperidol (Byproduct-4)	N/A
VL1120008	Haloperidol	Haloperidol (Byproduct-5)	N/A
VL1120009	Haloperidol	Haloperidol (Byproduct-7)	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1120010	Haloperidol	4-(4-Chlorophenyl)-1,2,3,6 Tetrahydropyride HCl (Byproduct-8	N/A
VL1120011	Haloperidol	Haloperidol Impurity E	1391054-69-5
VL1120012	Haloperidol	Haloperidol Impurity F	1391052-67-7
VL1120013	Haloperidol	Haloperidol Impurity G	52669-92-8
VL1120014	Haloperidol	Haloperidol Impurity H	148406-51-3
VL1660001	Hydralazine	Hydralazine Dimer Impurity	24030-07-7
VL1660002	Hydralazine	Hydrazine Carboxylic Acid Methylester	6294-89-9
VL1660003	Hydralazine	Hydralazine 1-Phthalazinone	119-39-1
VL1660004	Hydralazine	Hydralazine 2-Formylbenzoic acid	119-67-5
VL1660005	Hydralazine	Hydralazine Phthalazine	N/A
VL1660006	Hydralazine	Hydralazine 1-Chlorophthalazine	5784-45-2
VL80001	Hydrochlorothiazide	Hydrochlorothiazide Impurity C / Hydrochlorothiazide Dimer	402824-96-8
VL80002	Hydrochlorothiazide	Hydrochlorothiazide Impurity A / Chlorothiazide	58-94-6
VL80003	Hydrochlorothiazide	Hydrochlorothiazide Impurity B	121-30-2
VL80004	Hydrochlorothiazide	5-Chlorohydrochlorothiazide	5233-42-1
VL80005	Hydrochlorothiazide	Hydrochlorothiazide - HCTZ-Dimer Marker Mixture	402824-96-8
VL1870001	Hydrocortisone	Hydrocortisone Acetate Impurity	N/A
VL1870002	Hydrocortisone	Hydrocortisone-21-valerate impurity	6678-00-8
VL1870003	Hydrocortisone	Hydrocortisone Acetate EP Impurity B	641-77-0
VL1870004	Hydrocortisone	Hydrocortisone Acetate EP Impurity C	52-21-1
VL1870005	Hydrocortisone	Hydrocortisone Acetate EP Impurity D	50-04-4
VL1870006	Hydrocortisone	Hydrocortisone Acetate EP Impurity E	7753-60-8
VL1870007	Hydrocortisone	Hydrocortisone Acetate EP Impurity F	1250-97-1
VL1870008	Hydrocortisone	Hydrocortisone Acetate EP Impurity G	81968-66-3
VL1870009	Hydrocortisone	Hydrocortisone diacetate	N/A
VL1870010	Hydrocortisone	Hydrocortisone Anecortave acetate	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1870011	Hydrocortisone	Hydrocortisone Impurity H	N/A
VL1870012	Hydrocortisone	Hydrocortisone TPO Impurity	N/A
VL1870013	Hydrocortisone	Hydrocortisone MCPP Impurity	N/A
VL1870014	Hydrocortisone	Hydrocortisone CPH Impurity	N/A
VL1870015	Hydrocortisone	Hydrocortisone Impurity A	50-24-8
VL1870016	Hydrocortisone	17-Dehydro-21-Hydroxy Hydrocortisone	68473-77-8
VL1870017	Hydrocortisone	Hydrocortisone Impurity M	566-35-8
VL1870018	Hydrocortisone	Hydrocortisone Impurity N	N/A
VL1870019	Hydrocortisone	Hydrocortisone 21-propionate	6677-98-1
VL1870021	Hydrocortisone	11β-Formyl-hydrocortisone acetate	N/A
VL1870023	Hydrocortisone	Hydrocortisone Acetate	50-03-3
VL1870024	Hydrocortisone	Cortisone Acetate	50-04-4
VL1870025	Hydrocortisone	Hydrocortisone EP Impurity B	53-06-5
VL1870026	Hydrocortisone	Hydrocortisone EP Impurity F	152-58-9
VL283001	Hydroquinone	Hydroquinone Impurity	N/A
VL3670001	Hydroxychloroquine	Desethyl hydroxychloroquine	N/A
VL3670002	Hydroxychloroquine	Hydroxychloroquine Impurity B	N/A
VL3670003	Hydroxychloroquine	Hydroxychloroquine O-acetate	47493-14-1
VL78001	Hyoscine Butylbromide	Hyoscine Butylbromide Impurity D	N/A
VL78002	Hyoscine Butylbromide	Hyoscine Butylbromide Impurity E	N/A
VL78003	Hyoscine Butylbromide	Hyoscine Butylbromide Impurity F	N/A
VL78004	Hyoscine Butylbromide	Hyoscine Butylbromide Impurity G	N/A
VL78005	Hyoscine Butylbromide	Hyoscine Butylbromide EP Impurity B (Tropic Acid)	529-64-6
VL78006	Hyoscine Butylbromide	Hyoscine Butylbromide Impurity C	155-41-9
VL4790001	Hyoscine Hydrobromide	Hyoscine Hydrobromide Impurity B (norhyoscine)	N/A
VL4790002	Hyoscine Hydrobromide	Hyoscine Hydrobromide Impurity C (apohyoscine)	N/A
VL81001	Ibuprofen	Ibuprofen Impurity B	3585-49-7
VL81002	Ibuprofen	Ibuprofen Impurity A	66622-47-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL81003	Ibuprofen	Ibuprofen Impurity J / Ibuprofen Related Compound J	65813-55-0
VL81004	Ibuprofen	Ibuprofen Impurity C	59512-17-3
VL81005	Ibuprofen	Ibuprofen Impurity D	938-94-3
VL81006	Ibuprofen	Ibuprofen Impurity E/Ibuprofen Related Compound C	38861-78-8
VL81007	Ibuprofen	Ibuprofen Impurity L	53949-53-4
VL81008	Ibuprofen	Ibuprofen Impurity M	60057-62-7
VL81009	Ibuprofen	Ibuprofen Impurity N	3585-52-2
VL81010	Ibuprofen	Ibuprofen Impurity F	65322-85-2
VL81011	Ibuprofen	Ibuprofen Impurity O	64451-76-9
VL81012	Ibuprofen	Ibuprofen Methyl Ester	61566-34-5
VL81013	Ibuprofen	ibuprofen 2-(4-Isobutylphenyl)propanal (Aldehyde Impurity)	51407-46-6
VL81014	Ibuprofen	Ibuprofen Sorbital Ester	N/A
VL81015	Ibuprofen	Ibuprofen Isopropyl Ester (Isopropyl 2-(4-Isobutylphenyl)Propanonate)	64622-17-9
VL81016	Ibuprofen	Ibuprofen Ester Impurity	N/A
VL81017	Ibuprofen	2-(4-Isobutyrylphenyl)propane	72846-62-9
VL81018	Ibuprofen	DL-2-(4-Carboxyphenyl)propionic Acid	67381-50-4
VL81019	Ibuprofen	Ibuprofen NPPP (2-(4-n-Propylphenyl)propionic acid)	3585-47-5
VL81020	Ibuprofen	Ibuprofen impurity Q	36039-35-7
VL81021	Ibuprofen	Ibuprofen EP Impurity K	43153-07-7
VL81022	Ibuprofen	Ibuprofen Impurity P	36039-36-8
VL2110001	Iloperidone	2'-Hydroxy-3'-Methoxyacetophenone	703-98-0
VL272001	Imatinib	Desmethyl Imatinib	404844-02-6
VL272002	Imatinib	Imatinib Impurity D	1821122-73-9
VL272003	Imatinib	Imatinib Impurity B	581076-65-5
VL272004	Imatinib	Imatinib Impurity C	404844-02-6
VL272005	Imatinib	Imatinib Impurity H	0350-03-08
VL272006	Imatinib	Imatinib Impurity	152459-96-6
VL272007	Imatinib	Imatinib Impurity A	55314-16-4
VL272008	Imatinib	Imatinib Impurity F	152460-10-1
VL272009	Imatinib	Imatinib Impurity J	571186-91-9
VL272010	Imatinib	Imatinib pyridine-N-oxide Impurity	571186-92-0
VL3970001	Iminodibenzyl	Iminodibenzyl Impurity F	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2610001	Indapamide	Indapamide Impurity A	85440-79-5
VL2610002	Indapamide	Indapamide Impurity B	63968-75-2
VL2600001	Indomethacin	Indomethacin Impurity D	N/A
VL2600002	Indomethacin	Indomethacin Impurity E	807614-94-4
VL2600003	Indomethacin	Indomethacin Impurity G	402849-26-7
VL2600004	Indomethacin	Indomethacin Impurity A	N/A
VL2600005	Indomethacin	Indomethacin Impurity C	4018-82-0
VL2600006	Indomethacin	Indomethacin Impurity H	1601-18-9
VL2600007	Indomethacin	Indomethacin EP Impurity B(MMAA)	N/A
VL2600008	Indomethacin	Indomethacin EP Impurity I / Ethyl Ester	16401-99-3
VL2600009	Indomethacin	Indomethacin Related Compound B / 4-Chlorobenzoic Acid	74-11-3
VL1940001	Ipratropium	Ipratropium Impurity C	552-63-6
VL1940002	Ipratropium	Ipratropium Impurity D	492-38-6
VL1940003	Ipratropium	Ipratropium Impurity F	N/A
VL1940004	Ipratropium	Ipratropium Impurity E	183626-76-8
VL84001	Irbesartan	Irbesartan Related Compound A	748812-53-5
VL84002	Irbesartan	Irbesartan Impurity B	N/A
VL84003	Irbesartan	Irbesartan Related Compound C / Irbesartan Hydroxy Impurity	N/A
VL84004	Irbesartan	Irbesartan Related Compound 01	N/A
VL84005	Irbesartan	Irbesartan Related Compound 03 / Propyl Irbesartan	N/A
VL84006	Irbesartan	Irbesartan Impurity D	N/A
VL84008	Irbesartan	Irbesartan Nitrile	138401-24-8
VL84009	Irbesartan	Des Butyl Irbesartan	N/A
VL84010	Irbesartan	Irbesartan Impurity 6	N/A
VL84011	Irbesartan	Demethyl Irbesartan Impurity	158778-58-6
VL84012	Irbesartan	Irbesartan Dimer Impurity	1346598-52-4
VL3330001	Isopropyl Benzene sulfonate	Isopropyl Benzene sulfonate	6214-18-2
VL241001	Isopropyl P-Toluenesulfonate	Isopropyl P-Toluenesulfonate	2307-69-9
VL4150001	Isoproterenol	Isoproterenol oxidation impurity	N/A
VL2390001	Isoquinoline	1 Chloro-6,6,Dimethyl Hept-2en-4yne	287471-30-1
VL680001	Itraconazole	Itraconazole Impurity A	252964-68-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL680002	Itraconazole	Itraconazole Impurity B	854372-77-3
VL680003	Itraconazole	Itraconazole Impurity C	74855-91-7
VL680004	Itraconazole	Itraconazole Impurity D	89848-49-7
VL680005	Itraconazole	Itraconazole Impurity E	252964-65-1
VL680006	Itraconazole	Itraconazole Impurity F	89848-51-1
VL680007	Itraconazole	Itraconazole Impurity G	N/A
VL2310001	Ivabradine	Ivabradine R- Isomer	148849-68-7
VL3640001	Ketamine	Ketamine Impurity B	1823362-29-3
VL1220002	Keto Amine	Keto Amine MSA Salt	N/A
VL4650001	Ketoprofen	Ketoprofen Related Compound A	N/A
VL4650003	Ketoprofen	Ketoprofen Related Compound C	N/A
VL4650002	Ketoprofen	Ketoprofen Related Compound D	N/A
VL4650004	Ketoprofen	Ketoprofen Related Compound F	N/A
VL237001	Ketorolac	Ketorolac Impurity A / Ketorolac USP Impurity B	154476-25-2
VL237002	Ketorolac	Ketorolac USP Impurity A / Ketorolac EP Impurity E	167105-80-8
VL237003	Ketorolac	Ketorolac USP Impurity C / Ketorolac EP Impurity B	113502-52-6
VL237004	Ketorolac	Ketorolac USP Impurity D	N/A
VL237005	Ketorolac	Ketorolac EP Impurity C	1026936-07-1
VL237006	Ketorolac	Ketorolac EP Impurity D	1391053-45-4
VL237007	Ketorolac	Ketorolac EP Impurity F	1391052-68-8
VL237008	Ketorolac	Ketorolac EP Impurity G	1391051-90-3
VL237009	Ketorolac	Ketorolac EP Impurity H	80965-09-9
VL237010	Ketorolac	Ketorolac EP Impurity I	113502-55-9
VL237011	Ketorolac	Ketorolac EP Impurity J	108061-03-6
VL4600001	Labetolol	Labetolol EP Impurity A	1391051-99-2
VL4600002	Labetolol	Labetolol EP Impurity A (HCl)	N/A
VL2840001	Lacidipine	Lacidipine Impurity C	N/A
VL1250001	Lacosamide	Lacosamide H-LCMRC01	N/A
VL1250002	Lacosamide	Lacosamide H-LCMRC02	N/A
VL1250003	Lacosamide	Lacosamide H-LCMRC03	N/A
VL1250004	Lacosamide	Desmethyl Lacosamide	175481-38-6
VL1250005	Lacosamide	O-Acetyl Lacosamide	1318777-54-6
VL1250006	Lacosamide	Lacosamide Dimer-I	N/A
VL1250007	Lacosamide	Lacosamide Dimer-II	N/A
VL1250008	Lacosamide	Lacosamide Impurity C	1318777-54-6
VL1250009	Lacosamide	Lacosamide S-Isomer	N/A
VL1250010	Lacosamide	Lacosamide Impurity A	175481-37-5
VL1250011	Lacosamide	Lacosamide Impurity F	175481-38-6
VL1250012	Lacosamide	Lacosamide Impurity B	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1250013	Lacosamide	Lacosamide N-Desacetyl Impurity	N/A
VL1250014	Lacosamide	Lacosamide Impurity E	175481-39-7
VL1250015	Lacosamide	Lacosamide Impurity G	588-46-5
VL1250016	Lacosamide	Lacosamide Impurity H	1375090-19-9
VL1250017	Lacosamide	Lacosamide Impurity I	N/A
VL1250018	Lacosamide	Lacosamide Impurity J	100-46-9
VL1250019	Lacosamide	Lacosamide Impurity K	86921-49-5
VL1250020	Lacosamide	Lacosamide Impurity VI	N/A
VL1250021	Lacosamide	Lacosamide Impurity 2	N/A
VL1250022	Lacosamide	Lacosamide Impurity 1	N/A
VL1250023	Lacosamide	2-acetyl amino-N-benzyl popionamide (Lacosamide In house Impurity)	175481-36-4
VL1250024	Lacosamide	Lacosamide Impurity (2-acetyl amino 3-methoxy-N-methyl Benzyl propanamide)	388619-64-5
VL1250025	Lacosamide	Lacosamide Propanoyl impurity/Lacosamide N-Ethylcarbonyl Analog	1318777-56-8
VL1250026	Lacosamide	Lacosamide N-Acetyl-O-Methyl-D Serine	N/A
VL1250027	Lacosamide	lacosamide N-Acetyl-O-Methyl-D-serinamide	N/A
VL12002	Lamivudine	Lamivudine Carboxylic Acid / Lamivudine Impurity I	173829-09-9
VL12003	Lamivudine	Lamivudine Impurity G / Lamivudine-S-Sulfoxide	160552-55-6
VL12004	Lamivudine	Lamivudine-R-Sulfoxide	160552-54-5
VL12005	Lamivudine	Lamivudine Impurity E / Cytosine	71-30-7
VL12006	Lamivudine	Lamivudine Enatiomer / Lamivudine EP Impurity D	134680-32-3
VL12007	Lamivudine	Lamivudine Trans / Diasteriomer	N/A
VL12008	Lamivudine	Lamivudine EP Impurity J / Lamivudine Uracil Lamivudine Uridine Analog	145986-07-8
VL12001	Lamivudine	Lamivudine Diasteriomer Impurity	N/A
VL980001	Lamotrigine	Lamotrigine Related Compound B	50-45-3
VL980002	Lamotrigine	Lamotrigine Related Compound C / Lamotrigine EP Impurity A / Oxo Impurity	252186-78-0

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL980003	Lamotrigine	Lamotrigine Related Compound D	252186-79-1
VL980004	Lamotrigine	Lamotrigine Related Compound A	N/A
VL980005	Lamotrigine	2,3-DCBN (2,3-Dichlorobenzoyl Nitrile)	77668 - 42 - 9
VL980006	Lamotrigine	Lamotrigine EP Impurity C / Z-Iminoguanidine Intermediate for Lamotrigine	94213-23-7
VL980007	Lamotrigine	Lamotrigine Impurity B / E-Isomer of Iminoguanidine For Lamotrigine	94213-24-8
VL980008	Lamotrigine	Lamotrigine EP Impurity D / Dioxo Lamotrigine	661463-79-2
VL980009	Lamotrigine	Lamotrigine EP Impurity G	38943-76-9
VL980010	Lamotrigine	Lamotrigine EP Impurity E	50-45-3
VL980011	Lamotrigine	2,3-Dichlorobenzoyl Cyanide Lamotrigine	77668 - 42 - 9
VL980012	Lamotrigine	Lamotrigine Impurity	N/A
VL980013	Lamotrigine	Lamotrigine Dimer Impurity	1373393-59-9
VL980014	Lamotrigine	Lamotrigine Impurity	136565-76-9
VL980015	Lamotrigine	Lamotrigine Impurity	N/A
VL980016	Lamotrigine	Lamotrigine(Cas No.881198-72-7)	881198-72-7
VL980017	Lamotrigine	Lamotrigine (CAS No.36518-85-1)	36518-85-1
VL980018	Lamotrigine	Lamotrigine Dimer 2	1373393-59-9
VL980019	Lamotrigine	2,5-dichloro lamotrigine	N/A
VL980020	Lamotrigine	Lamotrigine O: 2-{2,3-dichlorophenyl}-2-guanidinimino	N/A
VL92001	Lansoprazole	Lansoprazole Impurity A / N-Oxide	213476-12-1
VL92002	Lansoprazole	Lansoprazole Acid Impurity	N/A
VL92003	Lansoprazole	Lansoprazole Impurity B / Lansoprazole Related Compound A / Sulphone	131926-99-3
VL92004	Lansoprazole	Lansoprazole Impurity C / Lansoprazole Related Compound B / Sulfide	103577-40-8
VL92005	Lansoprazole	Cumene hydroperoxide	80-15-9
VL92006	Lansoprazole	Lansoprazole EP Impurity E / Rabeprazole EP Impurity F	583-39-1
VL92007	Lansoprazole	2,3-dimethyl-4-nitro pyridine-1-oxide	37699-43-7
VL92008	Lansoprazole	2-Aminoaniline	95-54-5

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL93002	Latanoprost	Latanoprost Related Compound D	477884-78-9
VL93003	Latanoprost	Latanoprost Related Compound E	41639-83-2
VL93004	Latanoprost	Latanoprost Acid Impurity	N/A
VL93005	Latanoprost	Latanoprost Related Compound A	913258-34-1
VL93006	Latanoprost	15-KETO LATANOPROST	N/A
VL1060001	Leflunomide	Leflunomide Impurity C / Leflunomide Related Compound C	61643-23-0
VL1060002	Leflunomide	Leflunomide Impurity A / Leflunomide Related Compound A	455-14-1
VL1060003	Leflunomide	Leflunomide Impurity B / Leflunomide Related Compound B	163451-81-8
VL1060004	Leflunomide	Leflunomide Impurity D	42831-50-5
VL1060005	Leflunomide	Leflunomide Impurity E	208401-20-1
VL1060006	Leflunomide	Leflunomide Impurity H	24522-30-3
VL1060007	Leflunomide	Leflunomide Cyano Impurity	N/A
VL1060008	Leflunomide	Leflunomide Impurity F	1403564-06-6
VL1060009	Leflunomide	Leflunomide Impurity G	724429-16-7
VL1060010	Leflunomide	4-Chlorobenzotrifluoride	98-56-6
VL1060011	Leflunomide	2-Chlorobenzotrifluoride	88-16-4
VL1060012	Leflunomide	2-Aminobenzotrifluoride	88-17-5
VL1060013	Leflunomide	3-Aminobenzotrifluoride	98-16-8
VL1060014	Leflunomide	2-Cyano-acetic acid-(4'-trifluoromethyl) anilide	N/A
VL1060015	Leflunomide	Leflunomide Unknown Impurity(In House Impurity)	N/A
VL1060016	Leflunomide	Leflunomide impurity 2	N/A
VL1060017	Leflunomide	Leflunomide Metabolite ethyl analog	N/A
VL1720001	Lenalidomide	Lenalidomide Impurity 1	N/A
VL1720002	Lenalidomide	Lenalidomide Impurity 2	N/A
VL1720003	Lenalidomide	Lenalidomide N-Hydroxy Impurity	N/A
VL1720004	Lenalidomide	N-acetyl-Lenalidomide	1421593-80-7
VL3660001	Lenvatinib	Desamino Hydroxy Lenvatinib / Lenva acid impurity	N/A
VL1010001	Lercanidipine	Lercanidipine Impurity B	1119226-97-9
VL1010002	Lercanidipine	Lercanidipine Impurity C	1797124-83-4
VL1010003	Lercanidipine	Lercanidipine Impurity D	887769-34-8
VL2730001	Letrozole	Letrozole N-Oxide	N/A

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VL2730002	Letrozole	Letrozole Related Compound A	112809-52-6
VL2730003	Letrozole	Letrozole Impurity D/Letrozole Diacid Impurity	1644566-39-1
VL1280001	Levetiracetam	Levetiracetam R-Isomer / Levetiracetam EP Impurity D	103765-01-1
VL1280002	Levetiracetam	Levetiracetam Acid / Levetiracetam Impurity A	67118-31-4
VL1280003	Levetiracetam	Levetitacetam Impurity A	67118-31-4
VL1280004	Levetiracetam	Levetiracetam D-Isomer	N/A
VL1280005	Levetiracetam	Levetitacetam Hydroxynitrile	N/A
VL1280006	Levetiracetam	Levetitacetam Amino Nitrile Hydrochloride	N/A
VL1280007	Levetiracetam	Levetitacetam Acetone Cyanohydrin	N/A
VL1280008	Levetiracetam	Levetitacetam Impurity B	358629-47-7
VL1280009	Levetiracetam	Levetitacetam Impuritiy C	0142-08-05
VL1280010	Levetiracetam	Levetitacetam Working Standard	102767-28-2
VL1280011	Levetiracetam	Levetitacetam (LVTIMP01) In House Impurity	N/A
VL1280012	Levetiracetam	Levetiracetam Related Compund A	102767-31-7
VL1280013	Levetiracetam	Levetiracetam related Compound B	7682-20-4
VL1280014	Levetiracetam	(S)-2-Amino butyramide hydrochloride (or) 2-Amino Amide HCl	7682-20-4
VL1280015	Levetiracetam	Levetiracetam Impurity E	3886-69-9
VL1550001	Levocetrizine	Levocetrizine S-Isomer / Levocetrizine 4	163837-48-7
VL1550002	Levocetrizine	Levocetrizine Impurity 6	N/A
VL1550003	Levocetrizine	Levocetrizine Impurity A	N/A
VL1550004	Levocetrizine	Levocetrizine Impurity B	N/A
VL1550005	Levocetrizine	Levocetrizine Impurity C	N/A
VL1550006	Levocetrizine	Levocetrizine Impurity D	N/A
VL1550007	Levocetrizine	Levocetrizine Impurity F	N/A
VL1550008	Levocetrizine	Levocetrizine Impurity G	N/A
VL1550009	Levocetrizine	Levocetrizine N-Oxide	442863-80-1
VL1550010	Levocetrizine	Levocetrizine Amide	909779-33-5
VL1550011	Levocetrizine	Levocetrizine Impurity 2	N/A
VL1550012	Levocetrizine	Levocetrizine Impurity 3	N/A
VL1550013	Levocetrizine	Levocetrizine Impurity 4	N/A
VL1550014	Levocetrizine	Levocetrizine Impurity 7	N/A
VL1550015	Levocetrizine	Levocetrizine Impurity 5	N/A

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VL1550016	Levocetrizine	Levocetrizine Impurity 1 / Chlorobenzhydryl Piperazin	N/A
VL1550017	Levocetrizine	CDH-1 (RCT-3) Levocetirizine	N/A
VL1550018	Levocetrizine	P-Chlorobenzhydrylpiperazine	303-26-4
VL1550019	Levocetrizine	P-Chlorobenzophenone	134-85-0
VL1550020	Levocetrizine	P-Chlorobenzhydrol	119-56-2
VL1550021	Levocetrizine	Levocetrizine Impurity 8	N/A
VL1550022	Levocetrizine	Levocetirizine Cetirizine Lactose Ester	N/A
VL1860001	Levodopa	Levodopa Impurity C / Levodopa Related Compound B	7636-26-2
VL1860002	Levodopa	Levodopa Impurity D	5796-17-8
VL4770001	Levodropropizine	Levodropropizine Impurity A	N/A
VL86001	Levofloxacin	Levofloxacin Related Compound A / N-Desmethyl / Levofloxacin EP B	117707-40-1
VL860010	Levofloxacin	Levofloxacin Related Compound F / Levofloxacin 9-Desfluoro	117620-85-6
VL860011	Levofloxacin	Levofloxacin Decarboxy Impurity	178964-53-9
VL860012	Levofloxacin	Desmethyl Levofloxacin	117707-40-1
VL860013	Levofloxacin	Dextrofloxacin	100986-86-5
VL860014	Levofloxacin	Levofloxacin D- Dimer	N/A
VL860015	Levofloxacin	Levofloxacin D-Isomer/D-Ofloxacin/R-Isomer	100986-86-5
VL860016	Levofloxacin	Levofloxacin Carboxylic Acid	100986-89-8
VL860017	Levofloxacin	Levofloxacin EP Impurity H	177472-30-9
VL86002	Levofloxacin	Levofloxacin Impurity F / Levofloxacin N-Oxide	117678-38-3
VL86003	Levofloxacin	Levofloxacin Related Compound E	1346603-62-0
VL86004	Levofloxacin	Levofloxacin Formyl Impurity	N/A
VL86005	Levofloxacin	Levofloxacin Related Compound B / Levofloxacin Q-Acid	100986-89-8
VL86006	Levofloxacin	Levofloxacin Related Compound C	177472-30-9
VL86007	Levofloxacin	Levofloxacin Diamine Impurity	1797099-76-3
VL86008	Levofloxacin	Desfluoro Levofloxacin	117620-85-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL86009	Levofloxacin	Levofloxacin Piperazine Analogue	117707-40-1
VL3950001	Levomepromazine	2-Methoxy Phenothiazine	1771-18-2
VL3950002	Levomepromazine	Levopromazine Sulfoxide	N/A
VL4240001	Levonorgestrel	Levonorgestrel EP Impurity I	20402-62-4
VL2090001	Levosalbutamol	Levosalbutamol Sulphate Impurity-D	N/A
VL580001	Levosulpiride	Levosulpiride EP Impurity A	22795-99-9
VL1320001	Levothyroxine	Levothyroxine Impurity I / T4-Aldehyde(USP)	2016-06-0
VL1320002	Levothyroxine	Levothyroxine Acetamide / T4 Acetamide	176258-88-1
VL1320003	Levothyroxine	Levothyroxine Impurity H / T4-Benzonic Acid	2055-97-2
VL1320004	Levothyroxine	Levothyroxine Tetraiodothyrolactic Acid	7069-47-8
VL1320005	Levothyroxine	Levothyroxine Impurity J / O-(4-Hydroxy-3-Iodophenyl)-Levothyroxine	4604-41-5
VL1320006	Levothyroxine	3,5,3',5'-Tetraiodo Thyrolactic Acid / T4 Lactic Acid	7069-47-8
VL1320007	Levothyroxine	Levothyroxine O-Methyl Impurity	N/A
VL1320008	Levothyroxine	Levothyroxine Beta Hydroxy / b-Hydroxy-T4	107849-54-7
VL1320009	Levothyroxine	Levothyroxine Impurity C	51-24-1
VL1320010	Levothyroxine	Levothyroxine T4 Hydroxy Acetic Acid	93647-48-4
VL1320011	Levothyroxine	Levothyroxine Impurity F / T6 Levothyroxine	911661-90-0
VL1320012	Levothyroxine	Levothyroxine Impurity B	1628720-66-0
VL1320013	Levothyroxine	Levothyroxine Impurity K	5817-39-0
VL1320014	Levothyroxine	Levothyroxine -N-Formyl T4	671235-41-9
VL1320015	Levothyroxine	Levothyroxine N-Acetyl-T4	26041-51-0
VL1320016	Levothyroxine	Levothyroxine Impurity A / Levothyroxine O-(4-Hydroxy-3-Iodophenyl)-Liothyronine	6893-02-03
VL1320017	Levothyroxine	Levothyroxine N-Methyl Amide	2088032-52-2

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1320018	Levothyroxine	Levothyroxine T4-Amine O Methyl / O-Methyl-Tetraiodothyroethylamine	N/A
VL1320019	Levothyroxine	Levothyroxine EP Impurity D / Levothyroxine T4-Acetic Acid	67-30-1
VL1320020	Levothyroxine	Levothyroxine T4-Formic Acid N-Methyl Amide	N/A
VL1320021	Levothyroxine	Levothyroxine Impurity E	1041-01-06
VL1320022	Levothyroxine	Levothyroxine Ethyl Ester	76353-71-4
VL1320024	Levothyroxine	Levothyroxine Impurity V	N/A
VL1320025	Levothyroxine	Levothyroxine Impurity A (In House)	N/A
VL1320026	Levothyroxine	Levothyroxine Impurity B (In House)	N/A
VL1320027	Levothyroxine	Levothyroxin impurity 10	N/A
VL1320028	Levothyroxine	Levothyroxin impurity 30 sodium salt	N/A
VL1320029	Levothyroxine	Levothyroxine T4 Ethanol	N/A
VL1320030	Levothyroxine	Levothyroxine T4 Ethane	N/A
VL1320031	Levothyroxine	Levothyroxine Ether cleavage	N/A
VL1320032	Levothyroxine	levothyroxine Degradant-1 impurity	N/A
VL1320033	Levothyroxine	Levothyroxine lactose adduct	N/A
VL1040001	Lidocaine	Lidocaine Impurity A / Lidocaine Related Compound A	87-62-7
VL1040002	Lidocaine	Lidocaine Impurity B	2903-45-9
VL1040003	Lidocaine	Lidocaine Impurity C	2198-53-0
VL1040004	Lidocaine	Lidocaine Impurity D	7729-94-4
VL1040005	Lidocaine	Lidocaine Impurity E	745798-07-6
VL1040006	Lidocaine	Lidocaine Impurity H / Lidocaine Related Compound H	1131-01-07
VL1040007	Lidocaine	Lidocaine Impurity G	35891-87-3
VL1040008	Lidocaine	Lidocaine Impurity I	17289-54-2
VL1040009	Lidocaine	Lidocaine Impurity J	1012864-23-1
VL1040010	Lidocaine	Lidocaine Related Compound A	87-62-7
VL1040011	Lidocaine	Lidocaine Related Compound B	N/A
VL1040012	Lidocaine	Lidocaine Related Compound C	N/A
VL1040013	Lidocaine	Lidocaine Related Compound E	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1040014	Lidocaine	Lidocaine Related Compound H	1131-01-07
VL1040015	Lidocaine	Lidocaine Related Compound I	N/A
VL1040016	Lidocaine	Lidocaine Related Compound J	N/A
VL1040017	Lidocaine	Lidocaine N-Ethyl Bromide	21306-56-9
VL1040018	Lidocaine	Lidocaine N-Ethyl Chloride	5369-03-09
VL1040019	Lidocaine	Lidocaine Impurity K	50295-20-0
VL1040020	Lidocaine	Lidocaine Impurity F	857170-72-0
VL1040021	Lidocaine	Lidocaine Glycinexylidide	18865-38-8
VL1040022	Lidocaine	Lidocaine Impurity 5	N/A
VL1040023	Lidocaine	Lidocaine N-Oxide	2903-45-9
VL870001	Linagliptin	LIP-2-E-Bromobutene	1446263-39-3
VL870002	Linagliptin	Linagliptin N-Formyl Degradation Product	N/A
VL870003	Linagliptin	N-Aminoacyl-Linagliptin	N/A
VL870004	Linagliptin	Linagliptin N-Acetyl Impurity	1803079-49-3
VL870005	Linagliptin	Linagliptin N-Boc Impurity / Linagliptin Related Compound B	668273-75-4
VL870006	Linagliptin	Linagliptin S-Isomer Impurity	668270-11-9
VL870007	Linagliptin	Linagliptin Related Compound A	666816-98-4
VL870008	Linagliptin	Linagliptin Related Compound B(In House)	668273-75-4
VL870009	Linagliptin	Linagliptin Related Compound C	N/A
VL870010	Linagliptin	Linagliptin Impurity 8	N/A
VL870011	Linagliptin	Linagliptin 2-Chloromethyl Impurity	109113-72-6
VL870012	Linagliptin	Linagliptin Impurity 7	N/A
VL870013	Linagliptin	Linagliptin Impurity 15	N/A
VL870014	Linagliptin	Linagliptin Related substance impurity -A	N/A
VL870015	Linagliptin	Linagliptin Related substance impurity -B	N/A
VL4040001	Lincomycin	Lincomycin Phosphate	N/A
VL4040002	Lincomycin	Lincomycin HCl Monohydrate	7179-49-9
VL2350001	Linezolid	Linezolid Impurity B	216868-57-4
VL2350002	Linezolid	Linezolid Impurity D	908143-04-4
VL2350003	Linezolid	Linezolid USP Impurity D	174649-09-3
VL2350004	Linezolid	Linezolid N-Oxide	189038-36-6
VL2350005	Linezolid	Linezolid Desfluoro Impurity	556801-15-1

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2350006	Linezolid	Linezolid Impurity A	168828-84-0
VL2350007	Linezolid	Linezolid R-Isomer	872992-20-6
VL2350008	Linezolid	Linezolid Related Compound B	N/A
VL2350009	Linezolid	Linezolid Related Compound A	N/A
VL1320034	Liothyronine	Liothyronine EP Impurity B	300-39-0
VL2270001	Liothyronine	Liothyronine Impurity A	51-48-9
VL2270002	Liothyronine	Liothyronine Impurity C	51-24-1
VL2270003	Liothyronine	Liothyronine Impurity D	67-30-1
VL2270004	Liothyronine	Liothyronine Impurity E	1041-01-06
VL600001	Lisinopril	Lisinopril Impurity E / (R,S,S)-Isomer	85955-59-5
VL600002	Lisinopril	Lisinopril Impurity F / Cyclohexyl Analogue	1132650-67-9
VL600003	Lisinopril	Lisinopril Impurity B	104-15-4
VL600004	Lisinopril	Lisinopril Impurity C / Lisinopril Related Compound A	328385-86-0
VL600005	Lisinopril	Lisinopril Impurity D / R,S,S-Diketopiperazine	219677-82-4
VL600006	Lisinopril	Lisinopril Impurity A	5472-95-7
VL600007	Lisinopril	Lisinopril N-Alkyl -L-Lysine	N/A
VL600009	Lisinopril	Lisinopril Epimer	N/A
VL600010	Lisinopril	N-Alkyl Lisinopril / Lisinopril Impurity I	N/A
VL600011	Lisinopril	Lisinopril Impurity H	138247-43-5
VL600012	Lisinopril	Lisinopril Impurity I	N/A
VL600013	Lisinopril	Lisinopril Diketopiperazine	219677-82-4
VL600014	Lisinopril	Lisinopril RSS DKP	N/A
VL600015	Lisinopril	CPP Lisinopril Impurity	N/A
VL1480001	Loperamide	Loperamide Impurity F / Related Compound F	106900-12-3
VL1480002	Loperamide	Loperamide Impurity G	109572-89-6
VL1480003	Loperamide	Loperamide Impurity B	N/A
VL1480004	Loperamide	Loperamide Impurity C	39512-49-7
VL1480005	Loperamide	Loperamide Impurity D	37743-41-2
VL1480006	Loperamide	Loperamide Impurity E	1426322-82-8
VL1480007	Loperamide	Loperamide Impurity H	61299-42-1
VL1480008	Loperamide	Loperamide Impurity A	1391052-94-0
VL1470001	Lopinavir	Lopinavir Impurity A	192726-05-9
VL1470002	Lopinavir	Lopinavir Impurity D	N/A
VL1470003	Lopinavir	Lopinavir Impurity E	192725-49-8
VL1470004	Lopinavir	Lopinavir Impurity F	N/A
VL1470005	Lopinavir	Lopinavir Impurity I	N/A
VL1470006	Lopinavir	Lopinavir Impurity L	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1470007	Lopinavir	Lopinavir Related Compound C	N/A
VL810001	Loratadine	Dehydro Loratadine Isomer A Impurity	N/A
VL810002	Loratadine	Dehydro Loratadine Isomer B Impurity	133330-56-0
VL810003	Loratadine	Loratadine Related Compound D / Hydroxy Deacylanalog	38089-93-9
VL810004	Loratadine	Loratadine Impurity A / Hydroxy Loratadine / Loratadine Related Compound F	N/A
VL810005	Loratadine	Loratadine Related Compound A	100643-71-8
VL810006	Loratadine	Loratadine Related Compound B	38092-89-6
VL810007	Loratadine	Loratadine N-Oxide	165739-62-8
VL810008	Loratadine	Loratadine Related Compound C	31251-41-9
VL810009	Loratadine	Loratadine Impurity C / Loratadine Related Compound G	125743-80-8
VL810010	Loratadine	Loratadine Impurity F / Fluoroloratadine	125743-80-8
VL810011	Loratadine	Loratadine Impurity E	170727-59-0
VL810012	Loratadine	Loratadine Related Compound E	N/A
VL810013	Loratadine	4-Chloro Loratadine	165739-83-3
VL810014	Loratadine	Loratadine EP Impurity H	29976-53-2
VL3200001	Lorcaserin	Lorcaserin S-Isomer	N/A
VL4030001	Lornoxicam	Lornoxicam	70374-39-9
VL4030002	Lornoxicam	Lornoxicam Impurity A	N/A
VL4030003	Lornoxicam	Lornoxicam Impurity B	N/A
VL4030004	Lornoxicam	Lornoxicam Impurity C	N/A
VL4030005	Lornoxicam	Lornoxicam Impurity D	N/A
VL214001	Losartan	Losartan Potassium Related Compound A	124750-67-0
VL214002	Losartan	Losartan Potassium Related Compound B	114772-55-3
VL214003	Losartan	Losartan Potassium Related Compound K	N/A
VL214004	Losartan	Losartan Potassium Related Compound J	N/A
VL214005	Losartan	Losartan Potassium Related Compound D	212316-86-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL214006	Losartan	Losartan Potassium Related Compound C / Losartan Potassium Impurity C	N/A
VL214007	Losartan	Losartan Potassium Impurity M / 2H-Dimer	230971-72-9
VL214008	Losartan	Losartan Potassium Impurity L / 1H-Dimer	230971-71-8
VL214009	Losartan	Losartan Impurity B	160514-13-6
VL214010	Losartan	Losartan Bromo Impurity	N/A
VL214011	Losartan	Losartan Alochol Impurity	76-84-6
VL214012	Losartan	Losartan Impurity E	120568-11-8
VL214013	Losartan	TTMB Impurity of Losartan	N/A
VL214014	Losartan	Losartan Impurity I	1006062-28-7
VL214015	Losartan	Losartan LK1 IMPURITY	N/A
VL214016	Losartan	Triphenyl Methanol / Losartan Impurity G	76-84-6
VL214017	Losartan	Losartan Impurity D	83857-96-9
VL214018	Losartan	Losartan Impurity J	1006062-27-6
VL214019	Losartan	Losartan Impurity K	114798-36-6
VL214020	Losartan	Losartan impurity G / Triphenyl Methanol	76-84-6
VL214021	Losartan	Losartan Impurity F	1332713-64-0
VL214022	Losartan	Losartan EP Impurity C / Isolosartan / Losartan 5-Chloro Isomer	860644-28-6
VL214023	Losartan	Losartan EP Impurity A	79047-41-9
VL214024	Losartan	Losartan EP Impurity E	120568-11-8
VL214025	Losartan	Losartan EP Impurity H	133909-99-6
VL4710001	Loteprednol	Loteprednol Etabonate 11-keto	N/A
VL4590001	Luliconazole	Luliconazole Impurity Z	N/A
VL4590002	Luliconazole	Luliconazole Impurity E	N/A
VL4670002	Lumefantrine	Lumefantirne DBA Impurity	N/A
VL4670001	Lumefantrine	Lumefantrine Related Compound A	N/A
VL4460001	Lurasidone	Lurasidone Impurity- DP1	N/A
VL4460002	Lurasidone	Lurasidone Impurity- DP2	N/A
VL4460003	Lurasidone	Lurasidone Impurity- DP3	N/A
VL4460004	Lurasidone	Lurasidone Impurity- DP4	N/A
VL4460005	Lurasidone	Lurasidone Impurity- DP5	N/A
VL3630001	Macitentan	Macitentan Impurity A	N/A
VL670001	Mebendazole	Mebendazole Impurity A	52329-60-9
VL670002	Mebendazole	Mebendazole Impurity B	21472-33-3
VL670003	Mebendazole	Mebendazole Impurity C	66066-76-0
VL670004	Mebendazole	Mebendazole Related Compound E / Mebendazole EP Impurity E	31430-19-0

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VL670005	Mebendazole	Mebendazole Related Compound F / Mebendazole EP Impurity F	31545-31-0
VL670006	Mebendazole	Mebendazole Impurity D	132119-11-0
VL670007	Mebendazole	Mebendazole Impurity G	129165-82-8
VL670008	Mebendazole	2-Amino mebendazole	52329-60-9
VL670009	Mebendazole	2-Hydroxy mebendazole	21472-33-3
VL670010	Mebendazole	2-Amino-1-methyl mebendazole	66066-76-0
VL670011	Mebendazole	Mebendazole related compound D	132119-11-0
VL670012	Mebendazole	Ethyl mebendazole	31430-19-0
VL670013	Mebendazole	Tolutoyl Mebendazole	31545-31-0
VL670014	Mebendazole	Mebendazole Dimmer	129165-82-8
VL4280001	Mebeverine	Mebeverine impurity B	14367-46-5
VL2950001	Mefenamic Acid	Mefenamic Acid Impurity A	87-59-2
VL2950002	Mefenamic Acid	Mefenamic Acid Impurity C	118-91-2
VL2950003	Mefenamic Acid	Mefenamic Acid Impurity D	65-85-0
VL4470001	Megestrol	Megestrol Acetate Impurity B	3562-63-8
VL1750001	Melatonin	5-Methoxytryptamine / Dacetylmelatonin	0608-07-01
VL570001	Meloxicam	Meloxicam EP Impurity A / Ethyl Meloxicam /Meloxicam Related Compound A / Piroxicam Impurity K	24683-26-9
VL570002	Meloxicam	Methyl Meloxicam Impurity	N/A
VL570003	Meloxicam	Meloxicam Impurity D	1331636-17-9
VL570004	Meloxicam	Meloxicam EP Impurity B / Metoprolol Related Compound B	7305-71-7
VL570005	Meloxicam	4-Methyl-5-Thiazoleethanol	N/A
VL570006	Meloxicam	Meloxicam Impurity C	1262333-25-4
VL570007	Meloxicam	Meloxicam Related Compound C / Piroxicam Impurity L	118854-48-1
VL570008	Meloxicam	Meloxicam Related Compound D	1391051-96-9
VL570009	Meloxicam	Meloxicam Impurity E / Piroxicam Impurity J	35511-15-0
VL180001	Memantine	Memantine Related Compound D	1391051-96-9
VL180002	Memantine	Memantine Related Compound E	351329-88-9
VL180003	Memantine	Memantine Impurity A	N/A
VL180004	Memantine	Memantine Impurity C	N/A

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VL180005	Memantine	Memantine Impurity D	941-37-7
VL180006	Memantine	1-Adamantanamine Hydrochloride	665-66-7
VL180007	Memantine	Memantine Hydrochloride	41100-52-1
VL180008	Memantine	Memantine Related Compound A	702-79-4
VL180009	Memantine	Memantine Related Compound C	707-36-8
VL180010	Memantine	Memantine Related Compound B	707-37-9
VL180011	Memantine	3-Methyl-Adamantamine	33103-93-4
VL180012	Memantine	Acetamide Adamantane	N/A
VL180013	Memantine	N-Acetyl Memantine / Hetero Impurity H	N/A
VL180014	Memantine	Memantine Lactose Adduct IMP	1159637-28-1
VL180015	Memantine	N-Benzylmemantine impurity	N/A
VL3680001	Mercaptopurine	Mercaptopurine Impurity-1 / (purine-6-thione)	90947-51-6
VL3680002	Mercaptopurine	Mercaptopurine Purinyl Sulphide	N/A
VL2210001	Mesalazine	Mesalazine Impurity H / Salicylic Acid	69-72-7
VL98001	Messalamine	Messalamine Impurity I	3147-53-3
VL98002	Messalamine	Messalamine Impurity 2	N/A
VL98003	Messalamine	Messalamine Impurity 3	N/A
VL98004	Messalamine	3,6-Dioxocyclohexa-1,4 Dienecarboxylic Acid	N/A
VL98005	Messalamine	Messalamine Impurity E / 4-Amino Salicylic Acid	65-49-6
VL98007	Messalamine / Mesalazine	Messalamine Impurity C	95-55-6
VL98008	Messalamine / Mesalazine	Messalamine Impurity F	570-23-0
VL98009	Messalamine / Mesalazine	Messalamine Impurity G	490-79-9
VL98010	Messalamine / Mesalazine	Mesalazine EP Impurity D	99-05-8
VL98011	Messalamine / Mesalazine	Messalamine Impurity K	62-53-3
VL98012	Messalamine / Mesalazine	Messalamine Impurity O	88-21-1
VL98014	Messalamine / Mesalazine	Mesalazine EP Impurity R	85-38-1
VL98015	Messalamine / Mesalazine	Mesalazine EP Impurity M	2516-96-3

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL98016	Messalamine / Mesalazine	Mesalazine EP Impurity N	96-97-9
VL98017	Messalamine / Mesalazine	Messalamine Impurity 1 / 4-Aminobenzenesulfonic acid	121-57-3
VL98018	Messalamine / Mesalazine	Messalamine Impurity 4 / 3-Aminophenol	591-27-5
VL98019	Messalamine / Mesalazine	Messalamine Impurity J	112725-89-0 (base)
VL98020	Messalamine / Mesalazine	3-Carboxy-5-AminoSalicylic Acid Impurity / Messalamine Impurity	859964-08-2
VL3160001	Metaclopramide	Metaclopramide Impurity C	7206-70-4
VL3160002	Metaclopramide	Metoclopramide Impurity F	38339-95-6
VL3160003	Metaclopramide	Metoclopramide Impurity G	171367-22-9
VL105001	Metamizole	Metamizole Impurity C	519-98-2 (base) ; 856307-27-2 (HCl)
VL105002	Metamizole	Metamizole Impurity B	83-07-8
VL105003	Metamizole	Metamizole Impurity A / 4-Formylamino antipyrine	1672-58-8
VL101001	Metformin	Metformin Impurity A / Metformin Related Compound A	461-58-5
VL101002	Metformin	Metformin Impurity D	108-78-1
VL101003	Metformin	Metformin Impurity E / Metformin Related Impurity B	1674-62-0 (HCl salt) ; 1609-00-3 (base)
VL101004	Metformin	Metformin Impurity C / Metformin Related Compound C	1985-46-2
VL101005	Metformin	Metformin Impurity B	2959-04-8 (HCl salt) ; 4405-08-7 (base)
VL101006	Metformin	Metformin Impurity F	506-59-2
VL99001	Methoxydecane	1-Methoxy Decane	7289-52-3
VL99002	Methoxydecane	1,1-Dimethoxydecane	7779-41-1
VL710001	Metoclopramide	Metoclopramide Impurity C	7206-70-4
VL710002	Metoclopramide	Metoclopramide Impurity E	100-36-7
VL3160004	Metoclopramide	Metoclopramide EP impurity H	N/A
VL3160005	Metoclopramide	Metoclopramide EP Impurity E	N/A
VL3160006	Metoclopramide	Metoclopramide EP Impurity B	N/A

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VL103001	Metoprolol	Metoprolol Related Compound A / Metoprolol Impurity A	109632-08-8
VL103002	Metoprolol	Metoprolol EP Impurity G	501-94-0
VL103003	Metoprolol	Metoprolol Impurity C / Metoprolol Related Compound C	29122-74-5
VL103004	Metoprolol	Metoprolol Related Compound B / Metoprolol Succinate Impurity B	56718-76-4
VL103005	Metoprolol	Metoprolol Impurity O / Metoprolol Related Compound D	154784-36-8
VL103007	Metoprolol	Metoprolol Impurity D / Metoprolol Impurity III / Diol Impurity	62572-90-1
VL103008	Metoprolol	Metoprolol Tartrate Impurity B	56718-71-9
VL103009	Metoprolol	Metoprolol Tartrate Impurity F	7695-63-8
VL103010	Metoprolol	Metoprolol Bis-Ether Impurity	230975-30-1
VL103011	Metoprolol	Metoprolol (Maltol) Impurity	N/A
VL103012	Metoprolol	Metoprolol EP Impurity B / Metoprolol Impurity II / Tartrate B	56718-71-9
VL103013	Metoprolol	Metoprolol EP Impurity F / Tartate F	7695-63-8
VL103014	Metoprolol	Metoprolol Impurity H	62572-94-5
VL103015	Metoprolol	Metoprolol Methoxy Epoxide Impurity	56718-70-8
VL103016	Metoprolol	Metoprolol Impurity J	163685-37-8
VL103017	Metoprolol	Metoprolol Hydroxy Epoxide Impurity	104857-48-9
VL103018	Metoprolol	Metoprolol EP Impurity M	73313-36-7
VL103019	Metoprolol	Metoprolol EP Impurity N	6452-57-9 (base)
VL103020	Metoprolol	Trichloroethanol-2,2,2	115-20-8
VL103021	Metoprolol	Metoprolol 2-Phenyl ethanol	60-12-8
VL103022	Metoprolol	Metoprolol Succinic acid	110-15-6
VL103023	Metoprolol	Metoprolol Lactose adduct Impurity	N/A
VL103024	Metoprolol	Metoprolol In House Impurity T	N/A
VL103025	Metoprolol	Metoprolol Impurity N	N/A
VL4120001	Miconazole	Miconazole Impurity A	24155-42-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL4120002	Miconazole	2,4-dichlorobenzenemethanol	1777-82-8
VL4120003	Miconazole	Miconazole Impurity C	67358-54-7
VL4120004	Miconazole	(±)-n-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]formamide	911805-54-4
VL4120005	Miconazole	Miconazole Impurity B	913837-72-6
VL4120006	Miconazole	Miconazole Impurity D	27523-40-6
VL4120007	Miconazole	Miconazole Impurity E	1370335-38-8
VL4120008	Miconazole	Miconazole Impurity F	27220-35-5
VL4120009	Miconazole	Miconazole Impurity G	909277-71-1
VL4120010	Miconazole	Miconazole Impurity H	N/A
VL4120011	Miconazole	Miconazole Impurity I	47363-37-1
VL4120012	Miconazole	Deschlorobenzyl Econazole	N/A
VL4120013	Miconazole	Miconazole benzyl analog	N/A
VL4120014	Miconazole	Econazole nitrate	N/A
VL4120015	Miconazole	Miconazole 2,6-Isomer	N/A
VL4120016	Miconazole	Miconazole 2,5-Isomer	N/A
VL2870001	Midodrine	Midodrine Related Compound A	3600-87-1
VL2870002	Midodrine	Midodrine Related Compound B	N/A
VL2630001	Minoxidil	Minoxidil Impurity A	35139-67-4
VL2630002	Minoxidil	Minoxidil Impurity B	156-83-2
VL2630003	Minoxidil	Minoxidil Impurity E	24867-26-3
VL3070001	Mirabegron	Mirabegron Impurity A	N/A
VL3070002	Mirabegron	Mirabegron Impurity B	N/A
VL3070003	Mirabegron	Mirabegron Impurity C	N/A
VL3070004	Mirabegron	Mirabegron Impurity D	N/A
VL3070005	Mirabegron	Mirabegron Impurity E	N/A
VL3070006	Mirabegron	Mirabegron S-Isomer / Mirabegron H-MBGRC03	N/A
VL3070007	Mirabegron	Mirabegron 2-Aminothiazol-4-aceticacid	29676-71-9
VL3070008	Mirabegron	Mirabegron Nitro Impurity	N/A
VL3070009	Mirabegron	Mirabegron Impurity (H-MBGRC-03)	N/A
VL3070010	Mirabegron	Mirabegron Impurity (ATA)	N/A
VL206002	Mirtazapine	Mirtazapine Impurity C	191546-96-0
VL206003	Mirtazapine	Mirtazapine Impurity E	191546-94-8
VL206004	Mirtazapine	Mirtazapine N-Oxide	155172-12-6
VL206005	Mirtazapine	1-Ketomirtazapine	191546-96-0
VL206006	Mirtazapine	Desmethylmirtazapine	61337-68-6
VL206007	Mirtazapine	10-Ketomirtazapine	191546-96-0
VL206008	Mirtazapine	Acyclomirtazapine Alcohol / Mirtazapine EP Impurity B	61337-89-1

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL206009	Mirtazapine	Acyclomirtazapine Methyl Derivative	191546-94-8
VL206010	Mirtazapine	Mirtazapine Inhouse Impurity(1-Methyl-3-phenylpiperazine	N/A
VL206011	Mirtazapine	Mirtazapine Cyano Impurity	N/A
VL206012	Mirtazapine	Mirtazapine Carboxylic acid Sodium Slat	N/A
VL3750001	Misoprostol	Misoprostol 8-Epimisoprostol	1788085-78-8
VL3750002	Misoprostol	A-Type misoprostol	N/A
VL3750003	Misoprostol	B-Type misoprostol	N/A
VL4080001	Mometasone	Mometasone 8-DM	N/A
VL4080002	Mometasone	Mometasone DMC	N/A
VL4080003	Mometasone	Mometasone Furoate Impurity C	1305334-31-9
VL4080004	Mometasone	Mometasone Furoate Impurity D	83881-09-8
VL4080005	Mometasone	Mometasone Furoate Impurity E	1370190-33-2
VL4080006	Mometasone	Mometasone Impurity F	1305334-30-8
VL4080007	Mometasone	Mometasone Furoate Impurity G	105102-22-5
VL4080008	Mometasone	Mometasone Impurity H	148596-90-1
VL4080009	Mometasone	Mometasone Furoate Impurity I	N/A
VL4080010	Mometasone	Mometasone Furoate Impurity M	57780-86-6
VL4080011	Mometasone	Mometasone Furoate Impurity N	352315-75-4
VL4080012	Mometasone	Mometasone Furoate Impurity O	24916-91-4
VL4080014	Mometasone	Mometasone Furoate Impurity P	N/A
VL4080015	Mometasone	Mometasone Impurity K	4647-20-5
VL4080016	Mometasone	Mometasone Impurity L	24916-90-3
VL4080017	Mometasone	Mometasone Impurity Q	83881-08-07
VL510001	Montelukast	Montelukast Amide Impurity	866923-63-9
VL510002	Montelukast	Montelukast Impurity F / Montelukast Methyl Ketone	937275-23-5
VL510003	Montelukast	Montelukast EP Impurity B / Montelukast Methylstyrene Impurity/	918972-54-0
VL510004	Montelukast	Montelukast Nitrile Impurity	866923-62-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL510005	Montelukast	Montelukast Impurity A / Montelukast S-Isomer / S-Enatiomer	190078-45-6
VL510006	Montelukast	Montelukast Impurity C / Montelukast Sulfoxide Impurity	909849-96-3
VL510008	Montelukast	Montelukast Dihydro Impurity	142147-98-6
VL510009	Montelukast	Montelukast Quid- 8 Impurity / Montelukast Hydroxy Impurity	N/A
VL510010	Montelukast	Montelukast Keto Hydroxy	N/A
VL510011	Montelukast	Montelukast Ketone Impurity	N/A
VL510012	Montelukast	Montelukast Acid Impurity	158966-92-8
VL510013	Montelukast	Montelukast Ester Impurity	N/A
VL510014	Montelukast	Montelukast Chloro Alcohol Impurity	880769-28-8
VL510015	Montelukast	Montelukast Impurity G / Montelukast CIS Isomer	774538-96-4
VL510016	Montelukast	Montelukast Dicyclohexylamine	577953-88-9
VL510017	Montelukast	Montelukast D & F Mixer / Montelukast Michael Adduct 1&2	1187586-61-3 (R isomer); 1187586-58-8 (S) isomer
VL510018	Montelukast	Montelukast Hydroxy Methylketone	N/A
VL510019	Montelukast	Montelukast Methyl Ether Impurity	N/A
VL510020	Montelukast	Montelukast Sulfoxide N-Oxide	N/A
VL510021	Montelukast	Montelukast Sulfone Impurity	1266620-74-9
VL106001	Moxifloxacin	Moxifloxacin EP Impurity A / Moxifloxacin Related Compound A	151213-15-9
VL106002	Moxifloxacin	Moxifloxacin Impurity B / Moxifloxacin Related Compound B	1029364-73-5
VL106003	Moxifloxacin	Moxifloxacin Impurity C / Moxifloxacin Related Compound C	1029364-75-7
VL106004	Moxifloxacin	Moxifloxacin Impurity D / Moxifloxacin Related Compound D	1029364-77-9
VL106005	Moxifloxacin	Moxifloxacin Impurity E / Moxifloxacin Related Compound E	1292904-74-5

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL106006	Moxifloxacin	Moxifloxacin Decarboxy Impurity	1322062-57-6
VL106007	Moxifloxacin	Moxifloxacin Methyl Ester	721970-35-0
VL106008	Moxifloxacin	Moxifloxacin Hydroxy Acid	N/A
VL106009	Moxifloxacin	Moxifloxacin Related Compound F / N-Methyl Moxifloxacin	154093-72-8
VL106010	Moxifloxacin	Moxifloxacin Related Compound G / Moxifloxacin R,R Isomer	N/A
VL106011	Moxifloxacin	Moxifloxacin Related Compound H	112811-71-9
VL106012	Moxifloxacin	Moxifloxanin N-Methyl Nonane	151213-45-5
VL106013	Moxifloxacin	8-Hydroxy quinolonic acid derivative	N/A
VL106014	Moxifloxacin	8-Methoxy quinolonic acid derivative	N/A
VL106015	Moxifloxacin	8-Methoxy quinolonic ethyl ester	N/A
VL106016	Moxifloxacin	Moxifloxacin Difluoro methyl ester	N/A
VL106017	Moxifloxacin	Moxifloxacin Difluoro Acid Impurity	93107-30-3
VL106018	Moxifloxacin	Floxacin Amine impurity of Moxifloxacin	172426-88-9
VL1440001	Moxonidine	Moxonidine Impurity C / Hydroxy-Methoxy	352457-34-2
VL1440002	Moxonidine	Moxonidine Impurity D / Chloro-Hydroxy	352457-33-1
VL1440003	Moxonidine	Moxonidine Impurity A / Dichloro Moxonidine	352457-35-3
VL1440004	Moxonidine	Moxonidine Impurity B / Dimethoxy Moxonidine	75439-01-9
VL1440005	Moxonidine	Dihydroxy Moxonidine	352457-32-0
VL1890001	Mycophenolate Mofetil	5,7-Dihydroxy-4-Methylphthalide	27979-57-3
VL1890002	Mycophenolate Mofetil	Mycophenolate Mofetil EP Impurity F / Mycophenolate Mofetil Acid	24280-93-1
VL1890003	Mycophenolate Mofetil	Mycophenolate Mofetil Impurity G (N-Oxide)	224052-51-1
VL1890004	Mycophenolate Mofetil	Mycophenolate Mofetil Impurity E / Methyl Mycophenolate Mofetil	31858-66-9
VL1890005	Mycophenolate Mofetil	Mycophenolate Mofetil Related Compound A	1322681-36-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1890006	Mycophenolate Mofetil	Mycophenolate Mofetil Related Compound B	26675-76-3
VL1890007	Mycophenolate Mofetil	Mycophenolate Mofetil 1-Morpholinoethoxy Analog	1094322-91-4
VL1890009	Mycophenolate Mofetil	Mycophenolate Mofetil O-Methyl Analog	1322681-37-7
VL1890010	Mycophenolate Mofetil	Methyl Mycophenolate Mofetil	31858-66-9
VL1890011	Mycophenolate Mofetil	Mycophenolate Sodium	37415-62-6
VL1890012	Mycophenolate Mofetil	Mycophenolate Mofetil Ethyl Ester	13312-25-9
VL1890013	Mycophenolate Mofetil	Mycophenolate Acid O-methyl ester	38877-93-9
VL1890014	Mycophenolate Mofetil	Mycophenolate Mofetil EP impurity H	26675-76-3
VL1890015	Mycophenolate Mofetil	Mycophenolate mofetil Impurity- D	1322681-37-7
VL2790001	Nabumetone	Nabumetone Impurity D	127053-22-9
VL2790002	Nabumetone	Nabumetone (1-(6-methoxy-2-naphthyl)butan-1-ol-3-one	N/A
VL2790003	Nabumetone	Nabumetone Impurity F	N/A
VL1380001	Nadolol	Nadolol Impurity A / Nadolol Teraol	N/A
VL1380002	Nadolol	Nadolol Impurity B / 4-Methoxy	N/A
VL1380003	Nadolol	Nadolol Impurity C / Pentaol	N/A
VL1380004	Nadolol	Nadolol Impurity D / Dimer	67247-26-1
VL1380005	Nadolol	Nadolol Impurity E	67247-33-0
VL1380006	Nadolol	Nadolol Impurity F / Alpha	2116-22-5
VL1380007	Nadolol	Nadolol Impurity G / Dideoxy	33841-03-1
VL1380008	Nadolol	Nadalol Epoxy Diol Impurity	N/A
VL1380009	Nadolol	Nadolol alcohol	N/A
VL1380010	Nadolol	Nadolol methoxy analog	N/A
VL1380011	Nadolol	Nadolol Diaryl glycerol analog	N/A
VL1380012	Nadolol	Nadolol Napthyl analog	N/A
VL1380013	Nadolol	Nadolol 4-Hydroxy Carbazole	N/A
VL1510001	Naphazoline	Naphazoline Impurity A	36321-43-4
VL1510002	Naphazoline	Naphazoline Impurity B	86-87-3
VL1510003	Naphazoline	Naphazoline Impurity C	132-75-2
VL1510004	Naphazoline	Naphazoline Impurity D	22126-67-6
VL189001	Naphthalene	Naphthalene-1-Ol / Alpha-Naphthol	90-15-3

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL540001	Naproxen	Naproxen EP Impurity A	52079-10-4
VL5400010	Naproxen	Naproxen EP Impurity B	89617-86-7
VL5400011	Naproxen	Naproxen EP Impurity O	156967-24-7
VL5400012	Naproxen	Naproxen EP Impurity K	77301-42-9
VL5400013	Naproxen	Naproxen EP Impurity J	21388-17-0
VL5400014	Naproxen	Naproxen Acid Impurity / Naproxen Related Compound A	2471-70-7
VL5400015	Naproxen	Naproxen Desmethyl Naproxen	N/A
VL5400016	Naproxen	Naproxen Impurity 1 / 2-(3-Hydroxy-2,2-Dimethylpropoxy	N/A
VL5400017	Naproxen	Naproxen Impurity 2 / 6-Methoxy-2-(2-Br)-Propionyl-Naphthane	N/A
VL5400018	Naproxen	Naproxen Impurity I	23981-47-7
VL540002	Naproxen	Naproxen EP Impurity L / Naproxen Related Compound L	3900-45-6
VL540003	Naproxen	Naproxen EP Impurity E / Naproxen Methyl Ester	26159-35-3
VL540004	Naproxen	Naproxen EP Impurity F	31220-35-6
VL540005	Naproxen	Naproxen EP Impurity M	93-04-9
VL540006	Naproxen	Naproxen EP Impurity H	5111-66-0
VL540007	Naproxen	Naproxen EP Impurity N	5111-65-9
VL540008	Naproxen	Naproxen EP Impurity C / (2S)-2-(5-Bromo-6-Methoxynaphthalen-2-Yl)Propanoic Acid	84236-26-0
VL540009	Naproxen	Naproxen EP Impurity D	116883-62-6
VL212001	Neamine	Neamine Impurity	3947-65-7
VL490001	Nebivolol	Nebivolol Related Compound A	N/A
VL490002	Nebivolol	Nebivolol Related Compound B / Nebivolol Impurity B	N/A
VL490003	Nebivolol	Nebivolol Desfluoro	129101-34-4
VL490004	Nebivolol	Nebivolol Impurity 1	1346562-34-2
VL490005	Nebivolol	Benzylated Nebivolol	N/A
VL490006	Nebivolol	Nebivolol Isomer RRT 0.88	N/A
VL490007	Nebivolol	Nebivolol Isomer RRT 1.13	N/A
VL490008	Nebivolol	Nebivolol A Isomer	793669-26-8
VL490009	Nebivolol	Nebivolol B Isomer	876514-31-7
VL490010	Nebivolol	Nebivolol Methyl P-Toluene Sulphonate	80-48-8
VL490011	Nebivolol	Nebivolol Isopropyl P-Toluene Sulphonate	2307-69-9

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VL490012	Nebivolol	Nebivolol D-Isomer	213132-06-0
VL490013	Nebivolol	Nebivolol L-Isomer	118457-14-0
VL490014	Nebivolol	Nebivolol Impurity-2	N/A
VL490015	Nebivolol	Nebivolol SRSR + RSRS ISOMER	N/A
VL490016	Nebivolol	Nebivolol SRRR	N/A
VL490017	Nebivolol	Nebivolol RSSS	N/A
VL490018	Nebivolol	Nebivolol RSRR	N/A
VL490019	Nebivolol	Nebivolol SSSS ISOMER	N/A
VL490020	Nebivolol	Nebivolol RRRR	N/A
VL490021	Nebivolol	Nebivolol SRSS	N/A
VL490022	Nebivolol	Nebivolol FAM	N/A
VL490023	Nebivolol	Nebivolol RRSS	N/A
VL490024	Nebivolol	Di Des FluoroNebivolol	N/A
VL490025	Nebivolol	Des Fluoro FAM Nebivolol	N/A
VL4260001	Neomycin	Neomycin Sulfate	1405-10-3
VL2640001	Neostigmine	3-Dimethylaminophenol (Neostigmine)	99-07-0
VL2640002	Neostigmine	3-Dimethylcarbamoyloxy-N, N-Dimethylaniline(Neostigmine	16088-19-0
VL2640003	Neostigmine	3-Hydroxyphenyltrimethylammonium Methylsulfate(Neostigmine	51-60-5
VL2640004	Neostigmine	Nor Neostigmine	16088-19-0
VL360001	Nepafenac	Nepafenac Impurity E	1246956-18-2
VL360002	Nepafenac	Nepafenac Impurity D	51135-38-7
VL360003	Nepafenac	Nepafenac Impurity B	78281-61-5
VL360004	Nepafenac	Nepafenac Impurity C	N/A
VL360005	Nepafenac	Nepafenac Impurity A	2835-77-0
VL2430001	Nevirapine	Nevirapine Anhydrous	129618-40-2
VL2430002	Nevirapine	Nevirapine Related Compound A	133627-17-5
VL4100001	Niacin	Isocinchomeronic acid / 2,5-pyridine dicarboxylic acid	100-26-5
VL4100002	Niacin	6-methylnicotinic acid / 6-methylpyridine-3-carboxylic acid	3222-47-7
VL4100003	Niacin	6,6' dinicotinic acid / 2,2'-bipyridine-5,5'-dicarboxylic acid	1802-30-8
VL4100004	Niacin	5-ethyl-2-methylpyridine	104-90-5
VL4430001	Nicardipine	Nicardipine USP Related Compound C	21881-77-6
VL4430002	Nicardipine	Nicardipine Impurity	N/A

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VL4430003	Nicardipine	Nicardipine Pyridine Analaog	N/A
VL1610001	Nicergoline	Nicergoline Impurity A	38536-28-6
VL1610002	Nicergoline	Nicergoline Impurity C	35155-28-3
VL1610003	Nicergoline	Nicergoline Impurity G	N/A
VL1610004	Nicergoline	Nicergoline Impurity F	N/A
VL1610005	Nicergoline	Nicergoline Impurity D	20826-04-4
VL1610006	Nicergoline	Nicergoline Impurity B	35264-46-1
VL1610007	Nicergoline	Nicergoline Impurity E	N/A
VL3700001	Nicorandil	Nicorandil Impurity A	65141-47-1
VL3700002	Nicornadil	Nicornadil Nicotinic acid	59-67-6
VL3700003	Nicornadil	Nicorandil N-(2-Hydroxy ethyl)-nicotinamide	6265-73-2
VL3700004	Nicornadil	Nicornadil 2-amino ethyl nicotinate	87330-70-9
VL3700005	Nicornadil	Nicorandil Methyl nicotinate	N/A
VL2180001	Nicotinamide	Nicotinamide Impurity B	100-54-9
VL2180002	Nicotinamide	Nicotinamide Impurity C / Picolinamide	1452-77-3
VL2180003	Nicotinamide	Nicotinamide Impurity D	0532-12-7
VL2180004	Nicotinamide	Nicotinamide Impurity E / Nicotinamide N-Oxide	N/A
VL2180005	Nicotinamide	Nicotinamide Impurity A / Nicotinic Acid	59-67-6
VL2180006	Nicotinamide	Isonicotinamide	1453-82-3
VL2180007	Nicotinamide	3-Pyridine Carbonitrile / Nicotinonitrile	100-54-9
VL1130001	Nicotinic	3,5 - Dinitropyridine	0940-06-07
VL1130002	Nicotinic	5-Nitro Nicotinic Acid	2047-49-6
VL1130003	Nicotinic	Nicotinamide	98-92-0
VL1130004	Nicotinic	Nicotine Impurity C	486-56-6
VL1130005	Nicotinic	Isonicotinic Acid Impurity E	N/A
VL1130006	Nicotinic	Nicotine N-Oxide Impurity	N/A
VL1130007	Nicotinic	Impurity 6 - Hydroxy Nicotinic Acid	5006-66-6
VL1170001	Nifedipine	Nifedipine Impurity B	50428-14-3
VL1170002	Nifedipine	Nifedipine Nitrophenylpyridine Analog	67035-22-7
VL1170003	Nifedipine	Nifedipine Impurity C	111304-31-5
VL1170004	Nifedipine	Nifedipine Impurity D	14205-39-1
VL1170005	Nifedipine	Nifedipine Pyrimidine Impurity	80742-11-6
VL3450001	Nilotinib	Nilotinib RM	N/A
VL107001	Nimesulide	Nimesulide Impurity D	5422-92-4
VL107002	Nimesulide	Nimesulide Impurity A	51765-56-1
VL107003	Nimesulide	Nimesulide Impurity B	51765-51-6
VL107004	Nimesulide	Nimesulide Impurity C	2688-84-8

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VL107005	Nimesulide	Nimesulide Impurity E	905858-63-1
VL107006	Nimesulide	Nimesulide Impurity F	51765-72-1
VL107007	Nimesulide	Nimesulide Impurity G	70995-08-3
VL2830001	Nimodipine	Nimodipine Impurity A / Nimodipine Related Compound A	85677-93-6
VL2830002	Nimodipine	Nimodipine Impurity B	21881-78-7
VL2830003	Nimodipine	Nimodipine Impurity C	70172-96-2
VL3300001	Nitazoxanide	Nitazoxanide Related Compound A	121-66-4
VL3300002	Nitazoxanide	N-(nitro-1,3-thiazole-2-yl)acetamide	N/A
VL2560001	Nitrobenzaldehyde	3-Nitrobenzaldehyde	99-61-6
VL2910001	Nizatidine	Nizatidine EP Impurity A / 1,1-Bis(Methylamino)-2-Nitroethene	54252-45-8
VL2910002	Nizatidine	Nizatidine EP Impurity G	N/A
VL2910003	Nizatidine	Nizatidine Impurity X	N/A
VL3380001	Norepinephrine	Norepinephrine Impurity A	N/A
VL3380002	Norepinephrine	Norepinephrine Impurity B	5090-29-9
VL3380003	Norepinephrine	Norepinephrine Impurity C	N/A
VL3380004	Norepinephrine	Norepinephrine Impurity D	1932110-67-2
VL3380005	Norepinephrine	Norepinephrine Impurity E	99-40-1
VL3380006	Norepinephrine	Norepinephrine Impurity F	20455-68-9
VL3380007	Norepinephrine	Norepinephrine Impurity G	13062-58-3
VL550001	Norethindrone	Norethindrone Acetate EP Impurity B	19637-28-6
VL550002	Norethindrone	Norethindrone EP Impurity E	66964-58-7
VL550003	Norethindrone	Norethindrone Acetate EP Impurity C	1175129-26-6
VL550004	Norethindrone	Norethindrone Impurity C	N/A
VL550005	Norethindrone	Norethindrone EP Impurity F	6856-27-5
VL550006	Norethindrone	Norethindrone EP Impurity G	438244-27-0
VL550007	Norethindrone	6,10-dihydroxy Norethindrone Acetate impurity	N/A
VL3030001	Norfloxacin	Norfloxacin Related Compound K	70459-07-3
VL3030002	Norfloxacin	Norfloxacin Impurity E	75001-78-4
VL3030003	Norfloxacin	Norfloxacin Impurity A	68077-26-9
VL3030004	Norfloxacin	Norfloxacin Impurity H	105440-01-5
VL890001	Nortriptyline/Cyclobenzaprine	Cyclobenzaprine Related Compound B / N-Desmethyl	438-59-5

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL890002	Nortriptyline/Cyclobenzaprine	Nortriptyline EP Impurity B	303-53-7
VL2160001	N-Propyl Mesylate	N-Propyl MethaneSulfonate (N-Propyl Mesylate)	1912-31-8
VL7730001	Obeticholic	Methyl ester of Obeticholic acid	N/A
VL205001	Ofloxacin	Ofloxacin Impurity B	123155-82-8
VL205002	Ofloxacin	Ofloxacin Impurity E / Ofloxacin Related Compound A	82419-52-1
VL205003	Ofloxacin	Ofloxacin Impurity C	95848-94-5
VL205004	Ofloxacin	Ofloxacin Impurity F	104721-52-0
VL205005	Ofloxacin	Ofloxacin Impurity A	82419-35-0
VL205006	Ofloxacin	Ofloxacin Impurity D	197291-75-1
VL205007	Ofloxacin	Ofloxacin Related Compound B	N/A
VL205008	Ofloxacin	Ofloxacin USP Impurity B / Ofloxacin Related Compound B	N/A
VL109001	Olanzapine	Olanzapine Impurity A / Olanzapine Related Compound A	138564-59-7
VL109002	Olanzapine	Olanzapine Impurity B / Olanzapine Related Compound B	221176-49-4
VL109003	Olanzapine	Olanzapine Impurity C	719300-59-1
VL109004	Olanzapine	Olanzapine Related Compound-03	N/A
VL109005	Olanzapine	Olanzapine Related Compound-07	N/A
VL109006	Olanzapine	Olanzapine Related Compound-08	N/A
VL109007	Olanzapine	Olanzapine Thio Lactum	1017241-36-9
VL109008	Olanzapine	Olanzapine Lactum Impurity	1017241-34-7
VL109009	Olanzapine	Olanzapine Related Compound C / N-Oxide / Olanzapine EP D	174794-02-6
VL109010	Olanzapine	Olanzapine Demethyl Impurity	161696-76-0
VL109011	Olanzapine	Olanzapine F-PIN Impurity	639460-79-0
VL109012	Olanzapine	Olanzapine LIP I Acetyl Impurity	N/A
VL109013	Olanzapine	Olanzapine PIN-3 Impurity	N/A
VL109014	Olanzapine	Olanzapine LIP 1-Dimer Impurity	N/A

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VL109015	Olanzapine	olanzapin LIP-2 Quaternary salt	N/A
VL109016	Olanzapine	olanzapin NORPIN	N/A
VL109017	Olanzapine	olanzapin PIN-DEG	N/A
VL109018	Olanzapine	Olanzapine N-ethyl Impurity	N/A
VL109019	Olanzapine	Olanzapine PIN-3(H)	873895-41-1
VL109020	Olanzapine	Olanzapine N-desmethyl Impurity	161696-76-0
VL184001	Olmesartan	Olmesartan Related Compound A / Olmesartan EP Impurity B	849206-43-5
VL184002	Olmesartan	Olmesartan EP Impurity A / Olmesartan Acid Impurity	144689-24-7
VL184003	Olmesartan	Olmesartan Ethyl Ester	144689-23-6
VL184004	Olmesartan	Olmesartan Trityl Alcohol	76-84-6
VL184005	Olmesartan	Olmesartan EP Impurity D / Trityl / Olmesartan Impurity 3 / Olmesartan N-Alkyl	1020157-01-0
VL184006	Olmesartan	Olmesartan EP Impurity C / Olmesartan Impurity 4 / Olefinic	879562-26-2
VL184007	Olmesartan	Olmesartan Dimer Ester	1040250-19-8
VL184008	Olmesartan	Olmesartan	N/A
VL184009	Olmesartan	N-Alkylated Olmesartan	N/A
VL184010	Olmesartan	Olmesartan Impurity	N/A
VL184011	Olmesartan	Olmesartan Medoxomil Dimer Impurity	N/A
VL184012	Olmesartan	Dehydro Olmesartan / Olefinic Acid	879562-26-2
VL184013	Olmesartan	Olmesartan Ethyl Methyl Analog	1378863-74-1
VL184014	Olmesartan	Olmesartan Desbromo Impurity	N/A
VL184015	Olmesartan	Olmesartan Impurity 1	N/A
VL184016	Olmesartan	Trityl Olmesartan potassium salt	144690-92-6
VL720001	Olopatadine	Alpha Hydroxy Olopatadine	1331668-21-3
VL720002	Olopatadine	Olopatadine E Isomer	N/A
VL720003	Olopatadine	Olopatadine Carbaldehyde	N/A
VL720004	Olopatadine	Olopatadine Related Compund C	55453-87-7
VL720005	Olopatadine	Olopatadine N-Oxide	203188-31-2
VL720006	Olopatadine	Olopatadine Amide Impurity	N/A
VL720007	Olopatadine	Olopatadine Related Compound B	173174-07-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL112001	Omeprazole	Omeprazole Related Compound A / Omeprazole EP Impurity D	88546-55-8
VL112002	Omeprazole	Omeprazole Impurity A / 5-Methoxy-1H-Benzimidazole-2-Thiol	37052-78-1
VL112003	Omeprazole	Omeprazole Impurity B / Desmethoxy / Esome. Impurity B	110374-16-8
VL112004	Omeprazole	Omeprazole Impurity C / Ufiprazole / Sulfide	73590-85-9
VL112005	Omeprazole	Omeprazole Impurity E / Omeprazole Related Compound E / N-Oxide	176219-04-8
VL112006	Omeprazole	Omeprazole Related Compound F & G Mix	N/A
VL112007	Omeprazole	Omeprazole Impurity H / Omeprazole Chloro Impurity	863029-89-4
VL112008	Omeprazole	Omeprazole Impurity I / Sulphone N-Oxide	158812-85-2
VL112009	Omeprazole	Omeprazole Chloro Impurity	N/A
VL112010	Omeprazole	Omeprazole Impurity -XI	86604-75-3
VL112011	Omeprazole	Omeprazol Impurity - X	N/A
VL112013	Omeprazole	Esomeprazole Des Methyl Sulfide	N/A
VL112014	Omeprazole	Desmethyl Omeprazole	301669-82-9
VL112015	Omeprazole	Esomeprazole Impurity F	161796-77-6
VL112016	Omeprazole	Esomeprazole dihydro pyridine impurity	N/A
VL112017	Omeprazole	Carboxylic Acid Impurity / Esomeprazole Impurity H	N/A
VL112018	Omeprazole	Esomeprazole Impurity II	N/A
VL1580001	Ondensetorn	Ondensetorn Impurity D	99614-64-9
VL1580002	Ondensetorn	Ondensetorn Impurity A / Ondensetorn Related Compound A	153139-56-1
VL1580003	Ondensetorn	Ondensetorn Impurity C / Ondensetorn Related Compound C	27387-31-1
VL1580004	Ondensetorn	Ondensetorn Impurity H	N/A
VL1580005	Ondensetorn	Ondensetorn Impurity E	288-32-4
VL1580006	Ondensetorn	Ondensetron Impurity G	99614-14-9
VL1580007	Ondensetorn	Ondensetorn Impurity F	693-98-1
VL1580008	Ondensetorn	Ondensetorn EP Impurity B/Dimer Impurity	1076198-52-1

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL900001	Oseltamivir	Oseltamivir Impurity B / Oseltamivir Related Compound A	N/A
VL900002	Oseltamivir	Oseltamivir Impurity C	N/A
VL900003	Oseltamivir	Oseltamivir Carboxylic Acid Impurity	187227-45-8
VL900004	Oseltamivir	Oseltamavir Impurity D / 4-Acetylamino-3-hydroxybenzoic Acid Ethyl Ester	187227-45-8
VL900005	Oseltamivir	Oseltamavir Methyl Anologue	1346604-18-9
VL900006	Oseltamivir	Oseltamivir Triphenyl Phosphine Oxide	187227-45-8
VL900007	Oseltamivir	Oseltamavir Impurity-I	N/A
VL900008	Oseltamivir	Oseltamavir Impurity-II	N/A
VL900009	Oseltamivir	Oseltamivir EP Impurity E	N/A
VL900010	Oseltamivir	Oseltamivir EP Impurity F	N/A
VL900011	Oseltamivir	Oseltamivir EP Impurity G	956267-10-0
VL900012	Oseltamivir	Oseltamivir EP Impurity H	814-29-9
VL900013	Oseltamivir	Oseltamivir EP Impurity A	1364932-19-3
VL1620001	Oxcarbazepine	Oxcarbazepine Impurity C	19579-83-0
VL1620002	Oxcarbazepine	Oxcarbazepine Impurity I / 11-Keto Oxcarbazepine	537693-29-1
VL1620003	Oxcarbazepine	Oxcarbazepine EP Impurity D / Dibenzazepinodione	791-28-6
VL1620004	Oxcarbazepine	Oxcarbazepine Related Compound A	1346601-76-0
VL1620005	Oxcarbazepine	Oxcarbazepine Related Compound C	578-95-0
VL1620006	Oxcarbazepine	Oxcarbazepine ACRIDINE	260-94-6
VL1620007	Oxcarbazepine	Oxcarbazepine EP Impurity B	28721-09-07
VL1620008	Oxcarbazepine	Oxcarbazepine EP Impurity G	15882-79-8
VL1620009	Oxcarbazepine	Oxcarbazepine EP Impurity K	1346601-76-0
VL1620010	Oxcarbazepine	Oxcarbazepine EP Impurity L	N/A
VL1620011	Oxcarbazepine	Oxcarbazepine EP Impurity A	298-46-4
VL1620012	Oxcarbazepine	Oxcarbazepine EP Impurity E	256-96-2
VL1620013	Oxcarbazepine	Oxcarbazepine EP Impurity F	28721-08-06
VL1620014	Oxcarbazepine	Oxcarbazepine EP Impurity H	4698/11/7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1620015	Oxcarbazepine	Oxcarbazepine EP Impurity M	N/A
VL1620017	Oxcarbazepine	Oxcarbazepine Iminostilbene Carbonyl Chloride	33948-22-0
VL1620016	Oxcarbazepine	Oxcarbazepine metabolite	N/A
VL4290002	Oxibendazole	Oxibendazole impurity	N/A
VL215001	Oxybutynin	Oxybutynin Impurity A / Oxybutynin Cyclohexyl Analogue	1199574-71-4
VL215002	Oxybutynin	Oxybutynin Diphenyl Analogue	14943-53-4
VL215003	Oxybutynin	Oxybutynin Ethylpropyl Analogue	N/A
VL215004	Oxybutynin	Oxybutynin Related Compound B	10399-13-0
VL215005	Oxybutynin	Oxybutanin Related Compound A	4335-77-7
VL215006	Oxybutynin	Oxybutanin Related Compound C	1199574-70-3
VL215007	Oxybutynin	Oxybutynin Impurity 2	N/A
VL215008	Oxybutynin	Oxybutynin N-Oxide Impurity	80976-68-7
VL1500001	Oxymetazoline	Oxymetazoline Impurity A	1391053-50-1 (HCl) ; 1391194-44-7 (base) ;
VL1500002	Oxymetazoline	Oxymetazoline Impurity B	1218-35-5
VL1500003	Oxymetazoline	Oxymetazoline Impurity C	55699-13-3
VL1500004	Oxymetazoline	Oxymetazoline Impurity D	55699-12-2
VL1500005	Oxymetazoline	Oxymetazoline Impurity E	55699-10-0
VL1500006	Oxymetazoline	4-Tert - Butyl-2,6-Dimethyl-3-Hydroxybenzyl Chloride	N/A
VL1960001	Oxytetracycline	Alpha-Apo-Oxytetracycline	18695-01-7
VL1960002	Oxytetracycline	Beta-Apo-Oxytetracycline	18751-99-0
VL1960003	Oxytetracycline	4-Epi Oxytetracycline	14206-58-7
VL1960004	Oxytetracycline	Oxytetracycline EP Impurity C	6542-44-5
VL940001	Paclitaxel	Sec-Butyl Analog	N/A
VL940002	Paclitaxel	N-Butyl Analog	N/A
VL940003	Paclitaxel	Benzyl Analog	N/A
VL940004	Paclitaxel	7-Epi-Paclitaxel Impurity	105454-04-4
VL940005	Paclitaxel	Paclitaxel Related Compound B	78454-17-8
VL4510001	Palanosetron	Palanosetron Impurity A	N/A
VL217001	Paliperidone	Paliperidone Impurity A	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL217002	Paliperidone	Paliperidone Impurity B / FBIP	N/A
VL217003	Paliperidone	Paliperidone Impurity C / CMHTP	N/A
VL217004	Paliperidone	Paliperidone Impurity D	N/A
VL217005	Paliperidone	Paliperidone Impurity E	N/A
VL217006	Paliperidone	Paliperidone N-Oxide Impurity	761460-08-6
VL217007	Paliperidone	Paliperidone Keto Impurity	N/A
VL217008	Paliperidone	Paliperidone Acetyl Impurity	84162-82-3
VL217009	Paliperidone	Paliperidone Impurity	N/A
VL217010	Paliperidone	Palipiridone Hydroxybenzyl Analouge	152542-03-5
VL217012	Paliperidone	Paliperidone Palmitate Myristate Impurity	N/A
VL217013	Paliperidone	Paliperidone Palmitate Stearate impurity	N/A
	Paliperidone	Paliperidone Palmitate Heptadecanoic Acid	N/A
VL217014	Paliperidone	Paliperidone Palmitate Stage III	1415488-05-9
VL217015	Paliperidone	Paliperidone Myristate	1172995-11-7
VL217016	Paliperidone	Paliperidone Sterate	1172995-13-9
VL217017	Paliperidone	Paliperidone Palmitate Beznisoxazole	199739-10-1
VL3010001	Palonosetron	Palonosetron Related Compound A	813425-83-1
VL3010002	Palonosetron	Palonosetron Related Compound B	1021456-82-5
VL3010003	Palonosetron	Palonosetron Related Compound C	135729-76-9 (HCl salt) ; 149654-00-2 (base)
VL125001	Pantoprazole	Pantoprazole Impurity A / Pantoprazole Related Compound A / Sulfone	127780-16-9
VL125002	Pantoprazole	Pantoprazole Impurity B / Pantoprazole Related Compound B / Sulfide	102625-64-9
VL125003	Pantoprazole	Pantoprazole Impurity C / Pantoprazole Related Compound C	97963-62-7
VL125004	Pantoprazole	Pantoprazole Impurity D & F Mixture	N/A
VL125005	Pantoprazole	Pantoprazole N- Oxide	953787-60-5
VL125006	Pantoprazole	Pantoprazole Impurity E / Pantoprazole Related Compound E	2115779-15-0

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VL125007	Pantoprazole	2-Chloromethyl-3,4-Dimethoxypyridine Hydrochloride	72830-09-2
VL125008	Pantoprazole	Pantoprazole Sulfone N-Oxide	953787-55-8
VL2170001	Paracetamol	Paracetamol Impurity K / 4-Aminophenol	123-30-8
VL2170002	Paracetamol	Paracetamol Impurity J / Chloroacetanilide	0539-03-07
VL2170003	Paracetamol	Paracetamol Impurity F / 4-Nitrophenol	0100-02-07
VL2170004	Paracetamol	Paracetamol EP Impurity G	198712-64-0
VL2170005	Paracetamol	Paracetamol Impurity B / Acetaminophen Related Compound B	1693-37-4
VL2170006	Paracetamol	Paracetamol Impurity A / Acetaminophen Related Compound C	614-80-2
VL2170007	Paracetamol	Paracetamol EP Impurity D	103-84-4
VL2170008	Paracetamol	Paracetamol EP Impurity E	99-93-4
VL2170009	Paracetamol	Paracetamol EP Impurity H	2623-33-8
VL2170010	Paracetamol	Paracetamol EP Impurity I	118-93-4
VL2170011	Paracetamol	Paracetamol EP Impurity C	3964-54-3
VL3350001	Parahydroxybezoate	Ethyl Parahydroxybezoate Impurity C	N/A
VL1400001	Paroxetine	Paroxetine Impurity E / Paroxetine Related Compound D	N/A
VL1400002	Paroxetine	Paroxetine Impurity D / Paroxetine Related Compound C	130855-30-0
VL1400003	Paroxetine	Paroxetine Impurity C / Ethoxyparoxetine	1395408-54-4
VL1400004	Paroxetine	Paroxetine Impurity B / Paroxetine Related Compound A	N/A
VL1400005	Paroxetine	Paroxetine Related Compound B	324024-00-2
VL1400006	Paroxetine	Paroxetine Related Compound F	110429-36-2
VL1400007	Paroxetine	Paroxetine Impurity G	1217655-87-2
VL1400008	Paroxetine	Paroxetine Related Compound E	69675-10-1
VL1400009	Paroxetine	Paroxetine HCl Hemihydrate EP Impurity C	N/A
VL1240001	Pemetrexed	Pemetrexed Impurity 1	N/A
VL1240002	Pemetrexed	Pemetrexed Impurity 2	N/A

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VL1240003	Pemetrexed	Pemetrexed Impurity 3 / Pemetrexed Impurity D	N/A
VL1240004	Pemetrexed	Pemetrexed PEM-7	N/A
VL1240005	Pemetrexed	Pemetrexed Impurity E / Pemetrexed D-Isomer	182009-04-7
VL1240006	Pemetrexed	Ketopemetrexed Impurity	193281-00-4
VL1240007	Pemetrexed	Pemetrexed Impurity A	869791-42-4
VL1240008	Pemetrexed	Pemetrexed Glutamide	N/A
VL1240009	Pemetrexed	Pemetrexed N-Acetyl Adenine Impurity	N/A
VL1240010	Pemetrexed	Pemetrexed disodium Impurity 3	1265908-59-5
VL1240011	Pemetrexed	Pemetrexed EP Impurity D	N/A
VL114001	Perindopril	Perindopril Impurity A	80875-98-5
VL114002	Perindopril	Perindopril Impurity B	95153-31-4
VL114003	Perindopril	Perindopril Impurity E	1356837-89-2
VL114004	Perindopril	Perindopril Impurity F	129970-98-5
VL114005	Perindopril	Perindopril Erbumine Impurity C	N/A
VL114006	Perindopril	Perindopril Erbumine Impurity D	N/A
VL114007	Perindopril	Perindopril Impurity H	N/A
VL114008	Perindopril	Perindopril Impurity K	N/A
VL114009	Perindopril	Perindopril impurity	145438-94-4
VL3980001	Pheniramine	Pheniramine Impurity A	101-82-6
VL3980002	Pheniramine	Pheniramine Impurity B	2116-65-6
VL4760001	Phenoxymethylpenicillin	6-Aminopenicillanic acid (Impurity-C)	N/A
VL4760002	Phenoxymethylpenicillin	Phenoxy acetic acid (Impurity-B)	N/A
VL4760003	Phenoxymethylpenicillin	Benzyl Penicillin (Impurity-A)	N/A
VL3820001	Phenylacetyl Carbinol	Phenylacetylcarbinol	53439-91-1
VL3870001	Phenylalanine	Phenylalanine Impurity C	N/A
VL3900001	Phenylglycine	phenylglycine Amide	6485-52-5
VL115001	Phenylphrine	Phenyephrine Impurity C	52093-42-2
VL115002	Phenylphrine	Phenylphrine Impurity E	1367567-95-0
VL115003	Phenylphrine	Benzyl Phenylphrine	1159977-09-9
VL115004	Phenylphrine	Norephenylphrine	4779-94-6
VL115005	Phenylphrine	Norphenylphrine PTSA Salt	657-84-1
VL115006	Phenylphrine	Phenylphrone	N/A
VL115007	Phenylphrine	Phenylphrine Impurity F / (2-Napthalene Acetic Acid)	N/A
VL115008	Phenylphrine	Phenylphrine Impurity G / (3 Hydroxyacetophenone)	N/A
VL115009	Phenylphrine	Epinephrine Bitartarate	N/A

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VL115010	Phenylphrine	Phenyephrine Impurity D	1367567-95-0
VL115011	Phenylphrine	Phenylephrine-citrate adduct	N/A
VL2100001	Phenytoin	Phenytoin Related Compound A	3060-50-2
VL2100002	Phenytoin	Phenytoin Related Compound B	6802-95-5
VL2100003	Phenytoin	Phenytoin Impurity D	5157-15-3
VL2100004	Phenytoin	Phenytoin Impurity A	119-61-9
VL2100005	Phenytoin	Phenytoin Impurity B	134-81-6
VL2100006	Phenytoin	Phenytoin Impurity F	51169-17-6
VL233001	Pimozide	Pimozide Impurity E	1083078-88-9
VL233002	Pimozide	Pimozide Impurity A	N/A
VL2380001	Pinaverium	Pinaverium Bromide Impurity 2	N/A
VL1190001	Pioglitazone	Pioglitazone Impurity B / Didehydropioglitazone	136401-69-9
VL1190002	Pioglitazone	Pioglitazone Impurity C / N-Alkylpioglitazone	952188-00-0
VL1190003	Pioglitazone	Pioglitazone Impurity A	625853-74-9
VL1190004	Pioglitazone	Pioglitazone Impurity D	868754-41-0
VL1190005	Pioglitazone	1-Hyroxypioglitazone	146062-46-6
VL1190006	Pioglitazone	Pioglitazone Impurity E	868754-42-1
VL1190007	Pioglitazone	Pioglitazone Bromo impurity	669716-58-9
VL1190008	Pioglitazone	Pioglitazone amine Impurity	85583-40-0
VL1190009	Pioglitazone	Pioglitazone aldehyde impurity	114393-97-4
VL263023	Pioglitazone	Pioglitazone aldehyde impurity	114393-97-4
VL1190010	Pioglitazone	Pioglitazone Diol impurity	N/A
VL610001	Piperaquine	Piperaquine Impurity IV	31502-87-1
VL610002	Piperaquine	Chloro Impurity of Piperaquine Phosphate	N/A
VL610003	Piperaquine	Piperaquine Impurity I	837-52-5
VL610004	Piperaquine	Piperaquine 4-Hydroxy-7-Chloroquinoline	86-99-7
VL610005	Piperaquine	Piperaquine 4,7-Dichloroquinoline	86-98-6
VL610006	Piperaquine	Piperaquine Dimer Impurity	N/A
VL610007	Piperaquine	4,5 Dichloroquinoline (4,5 Isomer) Piperaquine	21617-18-5
VL610008	Piperaquine	Piperaquine phosphate impurity	N/A
VL610009	Piperaquine	Piperaquine Impurity 4 HCl salt	31502-87-1 (Free Base)
NA	Piperazine	N Methyl Piperazine	0109-01-03
VL244001	Piperazine	N Ethyl Piperazine	5308-25-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2530001	Piretanide	Piretanide Impurity A	67641-46-7
VL2530002	Piretanide	Piretanide Impurity B	N/A
VL2530003	Piretanide	Piretanide Impurity C	N/A
VL1630001	Pirfenidone	Pirfenidone Impurity A	1603-41-4
VL1630002	Pirfenidone	Pirfenidone Impurity B	1003-68-5
VL1630003	Pirfenidone	Pirfenidone Impurity C	108-95-2
VL1630004	Pirfenidone	Pirfenidone Impurity D	108-86-1
VL1690001	Piroxicam	Piroxicam EP Impurity A / 2-Aminopyridine	504-29-0
VL1690002	Piroxicam	Piroxicam Impurity B	65897-46-3
VL1690003	Piroxicam	Piroxicam Impurity F	76508-37-7
VL1690004	Piroxicam	Piroxicam Impurity C	24683-25-8
VL1690005	Piroxicam	Piroxicam Impurity D	6639-62-9
VL1690006	Piroxicam	Piroxicam Impurity E	24683-20-3
VL1690007	Piroxicam	Piroxicam Impurity G	35511-14-9
VL1690008	Piroxicam	Piroxicam Impurity H	24683-21-4
VL1690009	Piroxicam	Piroxicam Impurity I	76508-35-5
VL1690010	Piroxicam	Piroxicam Impurity J	35511-15-0
VL1690012	Piroxicam	Piroxicam Impurity L	118854-48-1
VL4520001	Pizotifen	Pizotifen alcohol derivative	N/A
VL4520002	Pizotifen	Pizotifen ketone derivative	N/A
VL4740001	Plerixafor	Cyclam impurity-Plerixafor	N/A
VL4800001	Posaconazole	Posaconazole Enantiomer impurity	N/A
VL3410001	Povidone	Povidone Impurity A	N/A
VL119001	Pramipexole	Pramipexole Related Compound D / Pramipexole R-Isomer	104632-27-1
VL119002	Pramipexole	Pramipexole Impurity C / Pramipexole Dimer	1973461-14-1
VL119003	Pramipexole	Pramipexole Propionamide / Disubstituted of Propanamide	106006-84-2
VL119004	Pramipexole	Pramipexole Disubstituted Impurity / Pramipexole Impurity B	1246815-83-7
VL119005	Pramipexole	Pramipexole Related Compound A / Pramipexole EP Impurity A	106092-09-5
VL119006	Pramipexole	Pramipexole N-Propylpramipexol	104632-27-1
VL119007	Pramipexole	Pramipexole Impurity E	106006-84-2
VL119008	Pramipexole	Pramipexole propionamide	106006-84-2
VL119009	Pramipexole	N-Propyl Pramipexole	104632-27-1
VL113001	Prasugrel	Prasugrel Impurity 10 / Prasugrel 3- Fluoro Impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1130010	Prasugrel	Prasugrel Methyl Keto Impurity	N/A
VL1130011	Prasugrel	Prasugrel Impurity 16	N/A
VL1130012	Prasugrel	Prasugrel Impurity B / Prasugrel Keto Impurity / Prasugrel Acetyl Impurity	1443034-67-0
VL1130013	Prasugrel	Prasugrel Acetyl Impurity	1443034-67-0
VL1130014	Prasugrel	Prasugrel Chloro Impurity	N/A
VL1130015	Prasugrel	Prasugrel 4-Fluoro Impurity	1391053-98-7
VL1130016	Prasugrel	Prasugrel Desoxo Impurity	201049-78-7
VL113002	Prasugrel	Prasugrel Des Fluoro Impurity	1391053-53-4
VL113003	Prasugrel	Prasugrel CATP Impurity	N/A
VL113004	Prasugrel	Prasugrel Impurity 3	N/A
VL113005	Prasugrel	Prasugrel Impurity 5 / Bromo Impurity	1359829-72-3
VL113006	Prasugrel	Prasugrel Impurity 6	N/A
VL113007	Prasugrel	Prasugrel Impurity 7 / Diketone degradant for Prasugrel	115473-15-9
VL113008	Prasugrel	Prasugrel Impurity 8	N/A
VL113009	Prasugrel	Prasugrel Impurity 11	N/A
VL2070001	Praziquantel	Praziquantel Related Compound A	54761-87-4
VL1410001	Prazosin	Prazosin Impurity A	23680-84-4
VL1410002	Prazosin	Prazosin Impurity B	31350-27-3
VL1410003	Prazosin	Prazosin Impurity C	60547-97-9
VL1410004	Prazosin	Prazosin Impurity D	60548-09-6
VL1410005	Prazosin	Prazosin Impurity E	102839-00-9
VL4090001	Prednisolone	Prednisolone Impurity G	2299-46-9
VL4090002	Prednisolone	Prednisolone 20α-Hydroxy Impurity	15847-24-2
VL4090003	Prednisolone	Prednisolone 17-Acetate	52628-64-5
VL4090004	Prednisolone	Methylprednisolone acetate EP Impurity H	1968-76-9
VL4090005	Prednisolone	Prednisalone Acetate impurity C	52-21-1
VL4090006	Prednisolone	Prednisalone Acetate impurity D	16355-29-6
VL4090007	Prednisolone	Prednisalone Acetate impurity E	95815-58-0
VL4090008	Prednisolone	Prednisolone Acetate	52-21-1
VL4090009	Prednisolone	Methylprednisolone (Impurity A)	83-43-2
VL4090010	Prednisolone	Methylprednisolone acetate (Impurity B)	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL4090011	Prednisolone	Methyl prednisolone 17-propionate (Impurity C)	79512-61-1
VL4090012	Prednisolone	Methylprednisolone 21-propionate (Impurity D)	138804-88-3
VL4090013	Prednisolone	Prednisolone 17-β hydroxyacid	N/A
VL4090014	Prednisolone	Prednisolone-17-acid 17-ethyl carbonate	N/A
VL4090015	Prednisolone	Prednisolone dicarbonate	N/A
VL4090016	Prednisolone	Prednisolone 20-ethyl ester	N/A
VL4090017	Prednisolone	Methylprednisolone hemi succinate 6β methyl isomer	N/A
VL4090018	Prednisolone	Methylprednisolone Deltamedrane Impurity	N/A
VL4090019	Prednisolone	Methylprednisolone Methylhydrocortisone hemi succinate	N/A
VL4420001	Prednisone	Prednisone Impurity B	50-24-8
VL4420002	Prednisone	Prednisone Impurity A	50-23-7
VL4420003	Prednisone	Prednisone Impurity D	10184-69-7
VL263001	Pregabalin	Pregabalin Lactum Impurity / Pregabalin Related Compound 03 / Pregabalin Related Compound C / Pregabalin EP Impurity A	61312-87-6
VL263002	Pregabalin	Pregabalin Racemic Impurity	N/A
VL263003	Pregabalin	Pregabalin (R)-1-Phenylethanamine Impurity	3886-69-9
VL263004	Pregabalin	Pregabalin 4-Ene Impurity	N/A
VL263005	Pregabalin	Pregabalin Diacid Impurity / ISobutylglutaric Acid	5702-99-8
VL263006	Pregabalin	Pregabalin Mono Amide Impurity / Isobutyl-Glutarmonoamide	181289-15-6
VL263007	Pregabalin	Pregabalin Impurity I	N/A
VL263008	Pregabalin	Pregabalin Impurities A	181289-23-6
VL263009	Pregabalin	Pregabalin Impurities B	148553-51-9
VL263010	Pregabalin	Pregabalin 4-Isobutyl-2,6-Piperidinedione	916982-10-0
VL263011	Pregabalin	Pregabalin Impurity D	4118-51-8
VL263012	Pregabalin	Pregabalin Lactose Conjugate Impurity	N/A
VL263013	Pregabalin	Pregabalin Impurity 1 / Pregabalin 2,7 Dione	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL263014	Pregabalin	Pregabalin Related Compound A / R-Isomer Pregabalin	148553-51-9
VL263015	Pregabalin	Pregabalin Methyl Carbamate	N/A
VL263016	Pregabalin	Pregabalin Lactose Conjugate Impurity-1	N/A
VL263017	Pregabalin	Pregabalin Lactose Conjugate Impurity-2	N/A
VL263018	Pregabalin	Pregabalin Lactose Conjugate Impurity-3	N/A
VL263019	Pregabalin	Pregabalin Lactose Conjugate Impurity-4	N/A
VL263020	Pregabalin	(±)-5-Methyl-3-(Oxo-2{[(1R)-1-Phenylethyl]Amino}Ethyl) Hexanoic Acid	N/A
VL263021	Pregabalin	3-Isobutylglutaric anhydride	185815-59-2
VL263022	Pregabalin	PEA (phenyl ethylamine)	64-04-0
VL263024	Pregabalin	PGB-3 (3-isobutylpentanedioic acid)	75143-89-4
VL263025	Pregabalin	PGB-5 (3-carbamoylmethyl-5-methylhexanoi	181289-15-6
VL263026	Pregabalin	Pregabalin (2,6-dihydroxy-4-isobutylpyridine-3,5-dicarbonitrile	N/A
VL263027	Pregabalin	Pregabalin Impurity C / Mandelic Acid	90-64-2
VL263028	Pregabalin	Pregabalin 5-Ene Impurity	N/A
VL263029	Pregabalin	Pregabalin Isobutylglutaric acid	75143-89-4
VL263030	Pregabalin	pregabaline impurity,(R)-(-)-3-Carbamoymethyl-5-methylhexanoic acid	181289-33-8
VL263031	Pregabalin	pregabaline impurity 3	N/A
VL263032	Pregabalin	Pregabalin In House Impurity	N/A
VL263033	Pregabalin	Amine Amide Impurity Of Pregabalin	N/A
VL263034	Pregabalin	Pregabalin EP Impurity A / Pregabalin Lactum S-Isomer	N/A
VL3920001	Prilocaine	Prilocaine Related Compound B	744961-76-0
VL2130001	Primaquinine Phosphate	Primaquinine Phosphate Secaquine Impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2130002	Primaquinine Phosphate	2-(4-Bromopentyl) Isoindoline 1,3-Dione	N/A
VL2130003	Primaquinine Phosphate	Primaquinine Isoindoline-1,3-Dione Sulfate	N/A
VL2130004	Primaquinine Phosphate	Primaquinine Bis Isoindoline-1,3-Dione Impurity	N/A
VL2130005	Primaquinine Phosphate	Primaquine Phosphate Related Compound A	N/A
VL3020001	Primidone	Primidone Impurity A	7206-76-0
VL3020002	Primidone	Primidone Impurity B	N/A
VL3020003	Primidone	Primidone Impurity C	90-26-6
VL3020004	Primidone	Primidone Impurity D	80544-75-8
VL3020005	Primidone	Primidone Impurity E	90-27-7
VL116001	Procainamide	Procainamide Hcl Impurity	N/A
VL3240001	Prochlorperazine	Prochlorperazine Sulphoxide	10078-27-0
VL2520001	Progesterone	Progesterone Impurity M	2000-66-0
VL2520002	Progesterone	17á-Hydroxyprogesterone	N/A
VL2520003	Progesterone	Hydroxyprogesterone Acetate	302-23-8
VL2520004	Progesterone	Hydroxyprogesterone Valerate	N/A
VL2520005	Progesterone	Hydroxyprogesterone Enanthate	N/A
VL2520006	Progesterone	17α-Hydroxyprogesterone Valerate	6677-15-2
VL2520007	Progesterone	17-Hydroxyprogesterone Trifluoroacetate	0560-10-1
VL2520008	Progesterone	17-hydroxypregn-4-3,20-dione hex-5-enoate	N/A
VL2520009	Progesterone	Progesterone EP Impurity C	145-15-3
VL2520010	Progesterone	Progesterone EP Impurity D	5035-09-06
VL2520011	Progesterone	Progesterone EP Impurity H	N/A
VL2520012	Progesterone	Progesterone EP Impurity J	1162-54-5
VL2520013	Progesterone	Progesterone EP Impurity K	N/A
VL2520014	Progesterone	Hydroxyprogesterone	N/A
VL2520015	Progesterone	Progesterone Impurity B	145-14-2
VL3060001	Promazine	Promazine Impurity I / Promazine Dimer	N/A
VL3060002	Promazine	Promazine Sulfoxide / Promazine Impurity A	146-21-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL3060003	Promazine	Promazine Impurity II / Promazine Desmethyl	N/A
VL1490001	Promethazine	Promethazine Impurity A	92-84-2
VL1490002	Promethazine	Promethazine Impurity B	5568-90-1
VL1490003	Promethazine	Promethazine Impurity C	60113-77-1
VL1490004	Promethazine	Promethazine Impurity D	7640-51-9
VL260001	Propafenone	Propafenone EP Impurity A	3516-95-8
VL260002	Propafenone	Propafenone EP Impurity B / Propafenone Related Compound B	88308-22-9
VL260003	Propafenone	Propafenone EP Impurity C	22525-95-7
VL260004	Propafenone	Propafenone EP Impurity D / Propafenone Dimer	91401-73-9
VL260005	Propafenone	Propafenone EP Impurity E	165279-79-8
VL260006	Propafenone	Propafenone EP Impurity F / Propafenone Glycerol Dimer	1329643-40-4
VL260007	Propafenone	Dealkyl Propafenone / N-Despropyl Propafenone	86383-21-3
VL260008	Propafenone	Propafenone EP Impurity G	1346603-80-2
VL260009	Propafenone	Propafenone EP Impurity H / Flavanone Propafenone	487-26-3
VL260010	Propafenone	Propafenone Related Compound A	N/A
VL260011	Propafenone	N-Despropyl propafeone Oxalate Salt	93885-20-2
VL3260001	Propofol	Propofol Impurity J	1988-11-0
VL188001	Propranolol	Propranolol Epoxide / Epoxy propane impurity	2461-42-9
VL188002	Propranolol	Propafenone EP Impurity A / Propranolol Diol Derivative	36112-95-5
VL188003	Propranolol	Propranolol Teramine	N/A
VL188004	Propranolol	Propafenone EP Impurity C / Propranolol Bis-Ether Derivative	22525-95-7
VL188005	Propranolol	Propranolol Tertiary Amine Derivative / Propranolol Impurity B	83314-78-7
VL188006	Propranolol	Propranolol Chloro Impurity	N/A
VL2420001	Propyl Gallate	Propyl Gallate	121-79-9
VL2780001	Pyrantel	Pyrantel Related Compound B	N/A
VL2780002	Pyrantel	Pyrantel Impurity D	4271-96-9
VL1710001	Pyridoxine	Pyridoxine Impurity B	N/A
VL1710002	Pyridoxine	4-Deoxypyridoxine Hydrochloride	148-51-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1710003	Pyridoxine	Pyridoxine Impurity A / Pyridoxine Cyclic ether	1006-21-9
VL1710004	Pyridoxine	4-Deoxypyridoxine HCl Impurity B	N/A
VL1260010	Quetiapine	Quetiapine Impurity Q / Quetiapine Quaternary Salt	N/A
VL1260011	Quetiapine	Quetiapine EP Impurity I / Quetiapine Desethoxy Impurity	329216-67-3 (base) ; 329218-14-6 (2HCl)
VL1260012	Quetiapine	Quetiapine Impurity N	1800291-86-4 (base)
VL1260013	Quetiapine	Quetiapine Related Compound G / Quetiapine Related Compound 01	3159-07-07
VL1260014	Quetiapine	Quetiapine Quaternary Salt	N/A
VL1260015	Quetiapine	Quetiapine 2-(Chloroethoxy) Ethanol	628-89-7
VL1260016	Quetiapine	Quetiapine Related Compound C	N/A
VL1260017	Quetiapine	Quetiapine Impurity A	844639-07-2
VL1260018	Quetiapine	Quetiapine EP Impurity T	5747-46-6
VL1260019	Quetiapine	Quetiapine HEEP Impurity	13349-82-1
VL126002	Quetiapine	Quetiapine Related Compound B / Quetiapine Related Compound 02	N/A
VL1260020	Quetiapine	2-(2-aminophenyl thio)benzonitrile	140425-65-6
VL1260021	Quetiapine	2-[(2-aminophenyl)thio]benzoic acid hydrochloride	114724-41-3
VL1260022	Quetiapine	Quetiapine N-Methyl Impurity	N/A
VL126003	Quetiapine	Quetiapine EP Impurity C	1798840-31-9
VL126004	Quetiapine	Quetiapine EP Impurity D / Bis Piperazine Quetiapine	945668-94-0
VL126005	Quetiapine	Quetiapine EP Impurity F	848814-27-7
VL126006	Quetiapine	Quetiapine Impurity J / Quetiapine Tetraethylene Glycol Analogue	1356906-17-6 (base)
VL126007	Quetiapine	Quetiapine EP Impurity H / Quetiapine N-Oxide Impurity	1076199-40-0
VL126008	Quetiapine	Quetiapine EP Impurity S / Quetiapine S-Oxide Impurity	329216-63-9
VL126009	Quetiapine	Quetiapine Impurity P / Quetiapine N-Ethyl Analogue	1011758-03-4 (base)

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1260023	Quetiapine	phenyl [2-(phenylsulfanyl) phenyl]carbamate	111974-73-3
VL1260024	Quetiapine	2-nitro diphenyl sulphide	N/A
VL1260025	Quetiapine	N,N-dimethylaniline	121-69-7
VL1260026	Quetiapine	2-(2-chloroethoxy)ethanol	628-89-7
VL3760001	Quinuclidinol	3-Quinuclidinol (S-(-)-3-Quinuclidinol)	34583-34-
VL970001	Rabeprazole	Rabeprazole N-OXIDE	924663-40-1
VL970002	Rabeprazole	Rabeprazole Sodium STAGE - I	N/A
VL970003	Rabeprazole	Rabeprazole -Sulphone - N-Oxide	924663-37-6
VL970004	Rabeprazole	Rabeprazole Related Compound B	924663-38-7
VL970005	Rabeprazole	Rabeprazole Related Compound F	168167-42-8
VL970006	Rabeprazole	Rabeprazole Impurity C	1163685-30-0
VL970007	Rabeprazole	Rabeprazole Related Compound D / Rabeprazole EP Impurity A / Sulphone	117976-47-3
VL970008	Rabeprazole	Rabeprazole Related Compound E / Rabeprazole EP Impurity B / Sulphide	117977-21-6
VL970009	Rabeprazole	1H -Benzimidazol-2-Ol	N/A
VL970010	Rabeprazole	Rabeprazole Methoxy Sulfide Analog	102804-82-0
VL970011	Rabeprazole	Rabeprazole Related compound A	1163685-30-0 (free acid)
VL970012	Rabeprazole	Rabeprazole Related compound C	583-39-1
VL970013	Rabeprazole	Rabeprazole EP Impurity E	102804-77-3
VL970014	Rabeprazole	Benzimidazole	51-17-2
VL1850001	Racecadotril	Racecadotril Impurity C	124735-06-4
VL1850002	Racecadotril	Racecadotril Impurity F	87428-99-7
VL1850003	Racecadotril	Racecadotril Impurity E	5669-19-2
VL270001	Raloxifene	Raloxifene Impurity D	N/A
VL270002	Raloxifene	Raloxifene Impurity C	195454-31-0
VL270003	Raloxifene	Raloxifene N-Oxide	195454-31-0
VL129001	Ramipril	Ramipril Impurity A	108313-11-7
VL129002	Ramipril	Ramipril Impurity G	108-88-3
VL129003	Ramipril	Ramipril Impurity O	N/A
VL129004	Ramipril	Ramipril Impurity K	108736-10-3
VL129005	Ramipril	Ramipril Impurity C	99742-35-5
VL129006	Ramipril	Ramipril Impurity H	N/A
VL129007	Ramipril	Ramipril Impurity I	N/A
VL129008	Ramipril	Ramipril Impurity L	N/A
VL129009	Ramipril	Ramipril Impurity E	87269-97-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL129010	Ramipril	Ramipril Impurity F	82717-96-2
VL129011	Ramipril	Ramipril Impurity J	N/A
VL129012	Ramipril	Ramipril Impurity M	N/A
VL129013	Ramipril	Ramipril Impurity N	N/A
VL129014	Ramipril	Ramipril Impurity D	108731-95-9
VL129015	Ramipril	Ramipril Impurity B	295328-72-2
VL129016	Ramipril	Ramipril Impurity 2	N/A
VL129017	Ramipril	Ramipril impurity 1	N/A
VL2880001	Rancinamycin	3,4 - Dihydroxybenzaldehyde (DHB Impurity)	139-85-5
VL220001	Ranitidine	Ranitidine Related Compound B / Ranitidine Impurity A	72126-78-4
VL220002	Ranitidine	Ranitidine Related Compound C / Ranitidine Impurity C / S-Oxide	73851-70-4
VL220003	Ranitidine	Ranitidine Related Compound A / Ranitidine Impurity B / Diamine Hemifumarate	66356-53-4
VL220004	Ranitidine	Ranitidine RI-0 Impurity	N/A
VL220005	Ranitidine	Ranitidine RI-3 Impurity	N/A
VL220006	Ranitidine	Ranitidine RI-5 Impurity	N/A
VL220007	Ranitidine	Ranitidine RI-9 Impurity	N/A
VL220008	Ranitidine	Ranitidine Impurity E / Ranitidine N-Oxide	73857-20-2
VL220009	Ranitidine	Ranitidine Impurity D	117846-02-3
VL220010	Ranitidine	Ranitidine Impurity F / Ranitidine amino alcohol	81074-81-9
VL220011	Ranitidine	Ranitidine Impurity G / Ranitidine Oxime	112233-23-5
VL220012	Ranitidine	Ranitidine Impurity H	72078-82-1
VL220013	Ranitidine	Ranitidine Impurity I / Formaldehude Adduct	207592-21-0
VL220014	Ranitidine	Ranitidine In House Impurity-1	N/A
VL220015	Ranitidine	Ranitidine Impurity K	61832-41-5
VL770001	Ranolazine	Ranolazine N-Oxide Impurity	N/A
VL770002	Ranolazine	Ranolazine N,N-Dioxide Impurity / Bis(N-Oxide)	1246816-00-1
VL770003	Ranolazine	Ranolazine Related Compound D / Ranolazine Bis -2,6 DMPAC Methyl Piperazine / Dimer	380204-72-8

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL770004	Ranolazine	Ranolazine Related Compound C / Ranolazine DMPAC Methyl Piperazine Impurity	5294-61-1
VL770005	Ranolazine	Ranolazine Monoamide Impurity	1131-01-07
VL770006	Ranolazine	Ranolazine Impurity I	N/A
VL770007	Ranolazine	Ranolazine Impurity J	N/A
VL770008	Ranolazine	Ranolazine Related Compound A	2210-74-4
VL770009	Ranolazine	Ranolazine Related Compound B	N/A
VL770010	Ranolazine	Ranolazine Alcohol Dimer	333749-57-8
VL770011	Ranolazine	Ranolazine Amide Dimer Impurity	N/A
VL770012	Ranolazine	Ranolazine Desmethoxy Impurity	755711-09-2
VL770013	Ranolazine	Ranolazine Epoxide Impurity	N/A
VL770014	Ranolazine	Ranolazine O-desaryl impurity	172430-46-5
VL770015	Ranolazine	Ranolazine N-des acetamide	162712-35-8
VL770016	Ranolazine	p-Ranolazine	1393717-45-7
VL770017	Ranolazine	m-Ranolazine	1393717-46-8
VL770018	Ranolazine	Ranolazine ether dimer	N/A
VL770019	Ranolazine	Ranolazine Dianisylglycerol	16929-60-5
VL770020	Ranolazine	Ranolazine Ether impurity	N/A
VL770021	Ranolazine	Ranolazine O-Desmethyl Impurity	172430-45-4
VL770022	Ranolazine	Ranolazine Chloroacetylderivate Impurity	N/A
VL770023	Ranolazine	Ranolazine Epoxyde Impurity	N/A
VL255001	Rasagiline	Rasagiline Impurity / Allyl Impurity	N/A
VL255002	Rasagiline	2-Chloro Allyl Impurity / Rasagiline Impurity	1175018-73-1
VL255003	Rasagiline	Allyl Amine	107-11-9
VL255004	Rasagiline	1-Indanone	83-33-0
VL255005	Rasagiline	1- Amino Indane	10277-74-4
VL255006	Rasagiline	1-Indanol	25501-32-0
VL255007	Rasagiline	Rasagiline Keto Impurity	N/A
VL255008	Rasagiline	S-isomer of Rasagiline	185517-74-2
VL255010	Rasagiline	Rasagiline Dimer / Rasagiline Impurity -II / RAS -40 III	N/A

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VL255011	Rasagiline	Rasagiline S-Isomer Mesylate salt / Rasagiline RAS -III	N/A
VL255012	Rasagiline	Rasagiline Impurity IV / L-Tartaric acid	N/A
VL3320001	Repaglinide	Repaglinide Impurity A	220438-80-2
VL3320002	Repaglinide	Repaglinide Impurity B	99469-99-5
VL3320003	Repaglinide	Repaglinide Impurity C	147769-93-5
VL3320004	Repaglinide	Repaglinide Impurity D	147770-06-7
VL3320005	Repaglinide	Repaglinide Related Compound C USP	1803084-79-8
VL3320006	Repaglinide	Repaglinide Impurity E	147852-26-4
VL3320007	Repaglinide	Repaglinide Impurity-A (As per EP)	220438-80-2
VL3320008	Repaglinide	Repaglinide Impurity-B (As per USP)	99469-99-5
VL3320009	Repaglinide	Repaglinide Impurity-C (As per USP)	147769-93-5
VL3320010	Repaglinide	Repaglinide Impurity A (As per USP) / Repaglinide Impurity C as per EP	147769-93-5
VL3320011	Repaglinide	Repaglinide Ethyl ester (As per USP)	147770-06-7
VL3320012	Repaglinide	Repaglinide Related Compound E	147852-26-4
VL2760001	Rifampicin	Rifampicin N-Oxide	51963-55-4
VL2760002	Rifampicin	Rifamycin S	13553-79-2
VL2760003	Rifampicin	3-Formylrifamycin SV	13292-22-3
VL2760004	Rifampicin	25-Desacetyl rifampicin	16783-99-6
VL2760005	Rifampicin	25-Desacetyl-21-acetyl rifampicin	1416773-22-2
VL2760006	Rifampicin	Rifampicin Quinone	N/A
VL4360001	Rifaxamine	Rifaxamine Impurity A	695-34-1
VL4360002	Rifaxamine	Rifaxamine Impurity B	13929-35-6
VL4360003	Rifaxamine	Rifaxamine Impurity C	14897-39-3
VL4360004	Rifaxamine	Rifaxamine Impurity E	13553-79-2
VL4360005	Rifaxamine	Rifaxamine Impurity F	14487-05-9
VL4360006	Rifaxamine	Rifaxamine Impurity G	80621-76-7
VL4070001	Rilpivirine	Rilpivirine Impurity	N/A
VL4130001	Riluzole	Riluzole Related Compound A	461-82-5
VL3570001	Riociguat	Riociguat Impurity 1	N/A
VL3570002	Riociguat	Riociguat Impurity 2	304874-06-4
VL4190001	Risedronate	Risedronate Impurity A	1486466-30-1
VL4190002	Risedronate	Risedronate Sodium Related Compound A	105462-23-5
VL3780001	Risedronic acid	Risedronic acid	105462-24-6

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VL1520001	Risperidone	Risperidone Impurity A / Risperidone E-Oxime	691007-09-7
VL1520002	Risperidone	Risperidone Impurity B / Risperidone Z-Oxime	132961-05-8
VL1520003	Risperidone	Risperidone Impurity C / 9-Hydroxy Risperidone	144598-75-4
VL1520004	Risperidone	Risperidone Impurity D / 5-Fluoro Risperidone	1199589-74-6
VL1520005	Risperidone	Risperidone Impurity E / 6-Methyl Risperidone	1346602-28-5
VL1520006	Risperidone	Risperidone N-Oxide	832747-55-4
VL1520007	Risperidone	9-Keto Risperidone	1189516-65-1
VL1520008	Risperidone	Risperidone EP Impurity K / Risperidone Desfluoro	106266-09-5
VL1520009	Risperidone	Risperidone Related Compound G	152542-00-2
VL1520010	Risperidone	Risperidone Difluoketone	N/A
VL1520011	Risperidone	Bicyclorisperidone	2231638-02-9
VL1520012	Risperidone	Risperidone Impurity H	158697-67-7
VL1520013	Risperidone	(Quaternary Salt) Risperidone IH IMP 3	N/A
VL1520014	Risperidone	(C-961 impurity) Risperidone IH IMP 5	N/A
VL1520015	Risperidone	(Isoxazole C-957) Risperidone IH IMP 1	N/A
VL1520016	Risperidone	Risperidone EP Impurity L	63234-80-0
VL1520017	Risperidone	Risperidone Difluorobenzyol impurity	106266-04-0
VL217011	Risperidone	Respiridone	106266-06-2
VL860001	Ritonavir	Ritonavir Impurity G	N/A
VL860002	Ritonavir	Ritonavir Impurity H	1010809-43-4
VL860003	Ritonavir	Ritonavir O-Aceyl Impurity	N/A
VL860004	Ritonavir	Ritonavir Impurity E	176655-56-4
VL860005	Ritonavir	Ritonavir Aminoalcohol Urea Derivative	N/A
VL2140001	Rivaroxaban	Rivaroxaban Impurity I	N/A
VL2140002	Rivaroxaban	Rivaroxaban Impurity II	N/A
VL2140003	Rivaroxaban	Rivaroxaban Impurity III	N/A
VL2140004	Rivaroxaban	Rivaroxaban Impurity	931204-39-6
VL2140005	Rivaroxaban	Rivaroxaban R-isomer impurity	865479-71-6
VL226001	Rivastigmine	Rivastigmine Desmethyl Impurity	1230021-28-9
VL226002	Rivastigmine	Rivastigmine Quaternary Salt / Rivastigmine Related Compound E	1800020-46-5
VL226003	Rivastigmine	Rivastigmine Impurity C	855300-09-3
VL226004	Rivastigmine	Rivastigmine Impurity E	923035-05-6

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VL226005	Rivastigmine	Rivastigmine Impurity F	889443-69-0
VL226006	Rivastigmine	Rivastigmine Impurity G	23308-82-9
VL226007	Rivastigmine	Rivastigmine Impurity H	586-37-8
VL226008	Rivastigmine	Rivastigmine Hydroxy Impurity	N/A
VL226009	Rivastigmine	Rivastigmine Related Compound C	139306-10-8
VL226010	Rivastigmine	Rivastigmine NOR Impurity	N/A
VL226011	Rivastigmine	Rivastigmine DPTTA	N/A
VL226012	Rivastigmine	Rivastigmine Carbamate Impurity	1346242-31-6
VL226013	Rivastigmine	Rivastigmine Ether Impurity	1346242-32-7
VL221001	Rizatriptan	Rizatripatan EP Impurity C	208941-96-2
VL221002	Rizatriptan	Rizatriptan Desmethyl Impurity	144034-84-4
VL221003	Rizatriptan	Rizatriptan Impurity H / Rizatriptan N- Oxide	1369779-37-2
VL221004	Rizatriptan	Rizatriptan N-Methyl Adduct	N/A
VL221005	Rizatriptan	Rizatriptan Desmethyl Adduct	N/A
VL221006	Rizatriptan	Rizatriptan 2,5-Dimer	1135479-44-5
VL640001	Roflumilast	Roflumilast Impurity DP-1	N/A
VL640002	Roflumilast	Roflumilast Impurity DP-2	N/A
VL640003	Roflumilast	Roflumilast Impurity DP-3	N/A
VL640004	Roflumilast	Roflumilast Impurity DP-4	N/A
VL640005	Roflumilast	Roflumilast H-RFLR-01	N/A
VL640006	Roflumilast	Roflumilast H-RFLR-02	N/A
VL640007	Roflumilast	Roflumilast H-RFLR-03	N/A
VL640008	Roflumilast	Roflumilast H-RFLR-04	N/A
VL640009	Roflumilast	Roflumilast H-RFLR-05	N/A
VL640010	Roflumilast	Roflumilast H-RFLR-06	N/A
VL640011	Roflumilast	Roflumilast H-RFLR-07	N/A
VL640012	Roflumilast	Roflumilast Impurity 9	162401-78-7
VL640013	Roflumilast	Roflumilast Carboxylic Acid	162401-62-9
VL640014	Roflumilast	Roflumilast Impurity 7	1243391-44-7
VL262001	Ropinirole	N-Hydroxy Ropinirole / Hydroxy Ropinirole	954117-22-7
VL262002	Ropinirole	Ropinirole Impurity A / Monopropyl Ropinirole	221264-21-7
VL262003	Ropinirole	Ropinirole N-Oxide	1076199-41-1
VL262004	Ropinirole	Ropinirole Propylidene	145570-92-9
VL262005	Ropinirole	Ropinirole Cyclopentanylindolinone	1368745-05-4
VL262006	Ropinirole	Methylene Ropinirole	N/A
VL262007	Ropinirole	Ethyl Ropinirole	1797132-03-6

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VL262008	Ropinirole	Ropinirole Open Ring Impurity Derivative	91374-25-3
VL262009	Ropinirole	Ropinirole Related Compound A	139122-19-3
VL262010	Ropinirole	Ropinirole N-Hydroxymethyl	1027600-42-5
VL262011	Ropinirole	Ropinirole Methylene Dimer	N/A
VL262012	Ropinirole	Ropinirole Related Compound B	221264-21-7
VL262013	Ropinirole	Ropinirole Impurity H	N/A
VL262014	Ropinirole	Ropinirole Impurity C	221264-43-3
VL262015	Ropinirole	Ropinirole Impurity F	139122-19-3
VL262016	Ropinirole	Ropinirole Impurity E	N/A
VL660001	Ropivacaine	Ropivacaine Related Compound A	21436-98-6
VL127001	Rosuvastatin	Rosuvastatin EP Impurity B / Rosuvastatin Diasteromer / Anti Isomer	1094100-06-7
VL127002	Rosuvastatin	Rosuvastatin EP Impurity D / Rosuvastatin Lactone	503610-43-3
VL127003	Rosuvastatin	Rosuvastatin EP Impurity C / 5-Oxo Impurity / Ketone	1422619-13-3
VL127004	Rosuvastatin	Rosuvastatin EP Impurity F / Rosuvastatin Related Compound C	289042-12-2
VL127005	Rosuvastatin	Rosuvastatin EP Impurity E / Rosuvastatin Related Compound B	N/A
VL127006	Rosuvastatin	Rosuvastatin Impurity L / Rosuvastatin 6,7-Dihydro Impurity	1347362-67-7
VL127007	Rosuvastatin	Rosuvastatin 3S 5S Isomer	N/A
VL127008	Rosuvastatin	Rosuvastatin Impurity A / Rosuvastatin Related Compound A	1714147-50-8
VL127009	Rosuvastatin	Rosuvastatin EP Impurity G / Rosuvastatin Related Compound D /3S,5R	1242184-42-4
VL127010	Rosuvastatin	Rosuvastatin Tert Butyl Ester	355806-00-7
VL127011	Rosuvastatin	Rosuvastatin Z-Isomer	N/A
VL127012	Rosuvastatin	Rosuvastatin Methyl Ester	147118-40-9
VL127013	Rosuvastatin	3-Dehydro Rosuvastatin	1659301-59-3
VL127014	Rosuvastatin	Rosuvastatin Impurity J	N/A
VL127015	Rosuvastatin	Rosuvastatin Impurity H	1335110-44-5
VL127016	Rosuvastatin	Rosuvastatin Impurity I	N/A

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VL127017	Rosuvastatin	Rosuvastatin Impurity K	N/A
VL127018	Rosuvastatin	Rosuvastatin Impurity M	N/A
VL127019	Rosuvastatin	Rosuvastatin Racemic Impurity	N/A
VL127020	Rosuvastatin	Rosuvastatin Dehydro Analogue	1659301-59-3
VL127021	Rosuvastatin	Rosuvastatin 2,3-Anhydro Acid [Rosuvastatin Impurity3]	1422954-12-8
VL127022	Rosuvastatin	Rosuvastatin Ethyl Ester	851443-04-4
VL127023	Rosuvastatin	(3R,5R)-tert-Butyl Rosuvastatin	2162136-65-2
VL127024	Rosuvastatin	Rosuvastatin 4,6-Diene Impurity	1346606-44-7
VL127025	Rosuvastatin	Rosuvastatin Formyl Impurity	147118-37-4
VL127026	Rosuvastatin	Rosuvastatin Hydroxymethyl Impurity	147118-36-3
VL127027	Rosuvastatin	Rosuvastatin Bromomethyl Impurity	799842-07-2
VL127028	Rosuvastatin	Rosuvastatin Hydroxypropenyl Impurity	910867-08-2
VL127029	Rosuvastatin	(3R,5R)-Rosuvastatin sodium salt	N/A
VL127030	Rosuvastatin	Rosuvastatin Racemic Mixture	N/A
VL127031	Rosuvastatin	Rosuvastatin ally ester	N/A
VL127032	Rosuvastatin	Rosuvastatin Anhydro Lactone	1246665-85-9
VL3810001	Roxithromycin	N-Desmethyl Roxithromycin	118267-18-8
VL3000001	Rufinmide	Rufinamide Impurity 6	N/A
VL3000002	Rufinmide	Rufinamide Related Compound B	217448-86-7
VL3000003	Rufinmide	Rufinamide Impurity 1	N/A
VL3000004	Rufinmide	Rufinmide Impurity 2	N/A
VL3000005	Rufinmide	Rufinamide Acid Impurity	166196-11-8
VL3000006	Rufinmide	Rufinamide Nitrile Impurity	N/A
VL4180001	Rupatidine	Rupatidine dimer Impurity	N/A
VL3730001	Sacubitril	Sacubitril SBT Diastereomer Impurity	N/A
VL3730002	Sacubitril	Sacubitril SBT Enantiomer	N/A
VL3730003	Sacubitril	Sacubitril Isopropyl Ester Impurity	N/A
VL3730004	Sacubitril	Sacubitril Acid Impurity	N/A
VL3730005	Sacubitril	Sacubitril pyrrlodine Impurity	N/A
VL1880001	Salbutamol	Salbutamol Impurity C	18910-68-4 ;

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VL1880002	Salbutamol	Salbutamol Impurity J	41489-89-8 (HCl Salt) ; 156547-62-5 (base)
VL1880003	Salbutamol	Salbutamol Impurity B	96948-64-0
VL1880004	Salbutamol	Salbutamol Impurity E	24085-03-8
VL1880005	Salbutamol	Salbutamol Impurity I	56796-66-8
VL1880006	Salbutamol	Salbutamol Impurity A	870076-72-5
VL1880007	Salbutamol	Salbutamol Impurity M	18910-70-8
VL1880008	Salbutamol	Salbutamol Impurity D	156339-88-7
VL1880009	Salbutamol	Salbutamol (2-tert-Butylamino-1-(4-hydroxy-3-methylphenyl) ethanol Impurity]	N/A
VL1880010	Salbutamol	Albuterol sulfate IMP-B	N/A
VL1880011	Salbutamol	Albuterol Impurity-C	N/A
VL1880012	Salbutamol	Albuterol Sulfate impurity D / Hydroxy Benzoldehyde	N/A
VL1880013	Salbutamol	Albuterol Impurity-E	N/A
VL1880014	Salbutamol	Albuterol Impurity-G	N/A
VL1880015	Salbutamol	Albuterol Sulfate Impurity-J	N/A
VL134001	Salmeterol	Salmeterol Impurity F	1391054-40-2 (base)
VL134002	Salmeterol	Salmeterol Impurity G / Salmeterol -N-alkyl	1391051-88-9
VL134003	Salmeterol	Salmeterol Impurity H / Salmeterol Related Compound H	1330076-52-2
VL134004	Salmeterol	Salmeterol Impurity A	1798014-51-3 (base)
VL134005	Salmeterol	Salmeterol Impurity B	94749-02-7
VL134006	Salmeterol	Salmeterol Impurity C	94749-11-8 (base)
VL134007	Salmeterol	Salmeterol Impurity D	1391052-04-2
VL134008	Salmeterol	Salmeterol Impurity E	108928-81-0
VL4020001	Selexipag	Selexipag DPA des-isopropyl impurity	N/A
VL4020002	Selexipag	Selexipag DPB desisopropyl impurity	N/A
VL4020003	Selexipag	Selexipag DPA impurity	N/A
VL4020004	Selexipag	Selexipag TDA impurity	162928-03-2
VL4020005	Selexipag	Selexipag Impurity B	18591-57-6
VL4020006	Selexipag	Selexipag Impurity C	41270-66-0
VL196001	Sertraline	Sertraline Impurity B	52758-05-1
VL196002	Sertraline	Sertraline Impurity F	155748-61-1
VL196003	Sertraline	Sertraline Impurity G / (R,R) Sertraline	79617-95-1

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VL196004	Sertraline	Sertraline Related Compound-1	N/A
VL196005	Sertraline	Sertraline Related Compound-2	N/A
VL196006	Sertraline	3,4-Deschloro Sertraline	79646-00-7
VL196007	Sertraline	Sertraline Impurity D / 4-Deschloro Sertraline	N/A
VL196008	Sertraline	Sertraline Impurity C / 3-Deschloro	79559-98-1
VL196009	Sertraline	Sertraline Impurity A / Sertraline Related Compound A	79836-45-6 (base) ; 79617-99-5 (HCl salt)
VL196010	Sertraline	SertralIne Impurity	N/A
VL196011	Sertraline	Sertraline Mandelic Acid	N/A
VL196012	Sertraline	Sertraline Benzonic Acid	N/A
VL196013	Sertraline	Sertraline Impurity E	611-71-2
VL196014	Sertraline	Sertaline HCl Racemic Impurity	79617-89-3
VL196015	Sertraline	Sertraline for system suitability	N/A
VL196016	Sertraline	Sertraline 2,3-Dichloro Isomer	1198084-29-5
VL196017	Sertraline	Sertraline STHRC-3	N/A
VL196018	Sertraline	Sertraline C & D Mixture	N/A
VL2680001	Sevelamer	Sevelamer Epichlorohydrin Impurity	152751-57-0
VL2680002	Sevelamer	Sevelamer Isobutrimide Impurity	N/A
VL136001	Sildenafil	Sildenafil Dimer Impurity / Sildenafil Related Compound 04	1346602-67-2
VL136002	Sildenafil	Sildenafil Impurity C	139755-91-2
VL136003	Sildenafil	Sildenafil EP Impurity A / Sildenafil Related Compound A	1391053-95-4
VL136004	Sildenafil	Sildenafil Impurity D / Des Methyl	1357931-55-5
VL136005	Sildenafil	Sildenafil Amide Impurity (MPC Impurity)	N/A
VL136006	Sildenafil	Sildenafil EP Impurity B / Sildenafil N-Oxide	1094598-75-0
VL136007	Sildenafil	Sildenafil Related Compound 02 / Ethoxy Phenyl / Lactum	139756-21-1
VL136008	Sildenafil	Sildenafil Related Impurity 3	N/A
VL136010	Sildenafil	Sildenafil Related Impurity 6	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL136011	Sildenafil	Sildenafil Related Impurity 1	N/A
VL136012	Sildenafil	Sildenafil Imidazole Impurity	N/A
VL136013	Sildenafil	Sildenafil PSA Impurity	N/A
VL136014	Sildenafil	Sildenafil Impurity F	139755-82-1
VL136015	Sildenafil	Sildenafil Impurity G	1346602-67-2
VL136016	Sildenafil	Sildenafil Ethoxy Phenyl Impurity	N/A
VL136017	Sildenafil	Sildenafil Piperazine Impurity / N-Desmethyl Sildenafil	139755-82-1
VL136018	Sildenafil	Sildenafil Hydroxy Impurity	N/A
VL136019	Sildenafil	N-Desmethyl Sildenafil	139755-82-1
VL136021	Sildenafil	Imidazole	288-32-4
VL136022	Sildenafil	Sildenafil Sulfonyl Methyl Ester	N/A
VL136023	Sildenafil	Sildenafil N-Ethyl Impurity	642928-07-2
VL136024	Sildenafil	Sildenafil MNC Impurity	N/A
VL136025	Sildenafil	Hydrazine impurity (API - Sildenafil citrate)	N/A
VL136026	Sildenafil	Sildenafil Chlorosulfonyl Impurity	139756-22-2
VL136027	Sildenafil	Sildenafil Impurity F(EMPPP)	139755-82-1
VL136028	Sildenafil	Sildenafil Impurity G (Dimer impurity)	1346602-67-2
VL136029	Sildenafil	4-ethoxybenzoic Acid (Sildenafil Inhouse Impurity)	619-86-3
VL136030	Sildenafil	2-ethoxybenzamide (Sildenafil Inhouse Impurity)	938-73-8
VL136031	Sildenafil	3-ethoxybenzoic acid (Sildenafil)	621-51-2
VL136032	Sildenafil	Sildenafil Carboxylic Acid (In House Impurity D)	147676-78-6
VL136033	Sildenafil	Sildenafil Amine Impurity	139756-02-8
VL136034	Sildenafil	Sildenafil Carboxamide Impurity / Di-Amide Impurity	N/A
VL1670001	Silodosin	Silodosin Nitrile	885340-13-6
VL1670002	Silodosin	Silodosin dehydro	175870-21-0
VL1670003	Silodosin	Silodosin S-Isomer	2182279-45-2
VL1670004	Silodosin	Silodosin Dimer	1453221-45-8
VL1670005	Silodosin	Racemic Stage I of Silodosin	1808278-26-3
VL1670006	Silodosin	Silodosin N-Oxide	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1670007	Silodosin	Silodosin depropanol	N/A
VL1670008	Silodosin	Silodosin carboxylic acid	147676-78-6
VL1670009	Silodosin	Silodosin dehydration Impurity	175870-21-0
VL1670010	Silodosin	Silodosin racemic standard	N/A
VL133001	Simvastatin	Simvastatin Impurity F / epi-Lovastatin	79952-44-6
VL133002	Simvastatin	Simvastatin Impurity A / Hydroxyl Acid	101314-97-0
VL133003	Simvastatin	Simvastatin Impurity C / Simvastatin Anhydro Sodium Salt	210980-68-0
VL133004	Simvastatin	Simvastatin Impurity D / Simvastatin Dimer Impurity	476305-24-5
VL133005	Simvastatin	Simvastatin Impurity B / Acetyl Simvastatin	145576-25-6
VL133006	Simvastatin	Simvastatin Methyl Ester	145576-26-7
VL133007	Simvastatin	Simvastatin Impurity G	1449248-72-9
VL133008	Simvastatin	Simvastatin Impurity E & F Mixture	N/A
VL133009	Simvastatin	Simvastatin Lovastatin(Impurity E)	75330-75-5
VL133010	Simvastatin	Tenivastatin Methyl Ester	145576-26-7
VL133011	Simvastatin	Tenivastatin Calcium	151006-18-7
VL133012	Simvastatin	Dihydroxy simvastatin Impurity	N/A
VL133013	Simvastatin	Simvastatin Impurity K	92083-03-09
VL4640001	Sirolimus	Sirolimus Impurity B	N/A
VL201001	Sitagliptin	Sitagliptin S-Isomer	823817-58-9
VL201002	Sitagliptin	3,4-Difluorophenyl Acetic Acid	658-93-5
VL201003	Sitagliptin	2,5-Difluoro-Phenyl Acetic Acid	85068-27-5
VL201004	Sitagliptin	2,4-Difluorophenylaetic Acid	81228-09-3
VL201005	Sitagliptin	Sitagliptin EP Impurity C	1345822-86-7
VL201006	Sitagliptin	Sitagliptin EP Impurity B	1345822-87-8
VL201007	Sitagliptin	Sitagliptin EP Impurity A	823817-58-9
VL201008	Sitagliptin	Sitagliptin Impurity 1 / Triazole Hydrochloride	762240-92-6
VL201009	Sitagliptin	Sitagliptin EP Impurity E / Sitagliptin Impurity 2	936630-57-8
VL201010	Sitagliptin	Sitagliptin Impurity 3 / Sitagliptin Intermediate	N/A
VL201011	Sitagliptin	Sitagliptin Impurity 4 / N-BOC-Sitagliptin	486460-23-5
VL201012	Sitagliptin	Sitagliptin Triazole Impurity	762240-92-6

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL201013	Sitagliptin	Sitagliptin FP Impurity E / Sitagliptin Acid Impurity	936630-57-8
VL201014	Sitagliptin	Sitagliptin Enamine Impurity	767340-03-4
VL201015	Sitagliptin	Sitagliptin Keto Amide Impurity	764667-65-4
VL201016	Sitagliptin	Sitagliptin Dioxo Impurity	764667-65-4
VL201017	Sitagliptin	Sitagliptin Impurity D	1253056-18-6
VL201018	Sitagliptin	Sitagliptin FP Impurity B / Sitagliptin Triazecine Impurity	2088771-61-1
VL201019	Sitagliptin	Sitagliptin Impurity C (In House)	N/A
VL201020	Sitagliptin	Sitagliptin Tartrate Hemihydrate WS	N/A
VL201021	Sitagliptin	Sitagliptin Fumarate Adduct	2088771-60-0
VL201022	Sitagliptin	Sitagliptin Impurity-F(In House)	N/A
VL201023	Sitagliptin	3-Hydroxy-3,4-Dicaboxy-Butanamide-N-Hexanoic Acid	N/A
VL201024	Sitagliptin	Sitagliptin FP Impurity C / Sitagliptin Styrylacetyl Analog	1803026-58-5
VL201025	Sitagliptin	Sitagliptin FP Impurity D / Sitagliptin Phennylcrotonyl Analog	1253056-18-6
VL201026	Sitagliptin	Sitagliptin 2-Chloro Hydrazide Impurity	N/A
VL201027	Sitagliptin	Sitagliptin 2-Chlorooxadiazole Impurity	N/A
VL201028	Sitagliptin	Stagliptin Dimer Impurity	N/A
VL201029	Sitagliptin	Sitagliptin FP Impurity A	2088771-60-0
VL201030	Sitagliptin	(S)-Sitagliptin N-Boc-Acid Impurity	922178-94-7
VL201031	Sitagliptin	Sitagliptin 5-Desfluoro Impurity	1345822-87-8
VL201032	Sitagliptin	Sitagliptin 4-Desfluoro Impurity	1345822-87-8
VL201033	Sitagliptin	Sitagliptin STB-M-TAB impurity	N/A
VL201034	Sitagliptin	(R)-Sitagliptin Methyl-Ester Impurity	N/A
VL131001	Solifenacin	Solifenacin Impurity A	118864-75-8
VL131002	Solifenacin	Solifenacin EP Impurity I / Solifenacin N-Oxide	180272-28-0
VL131003	Solifenacin	Solifenacin Impurity C	1534326-81-2

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL131004	Solifenacin	Solifenacin Impurity F / RS Solifenacin Impurity	180468-40-0
VL131005	Solifenacin	Solifenacin Impurity G / RR Solifenacin Impurity	862207-70-3 (succiN/Ate salt) ; 740780-79-4 (base)
VL131006	Solifenacin	Solifenacin Impurity H / SS Solifenacin Impurity	180468-38-6
VL131007	Solifenacin	Solifenacin EP Impurity C / Solifenacin (SS) / Bis-(S)-Methanone	1534326-81-2
VL131008	Solifenacin	Solifenacin EP Impurity D / Solifenacin (RS) Methanone	2216750-52-4
VL131009	Solifenacin	Solifenacin Isomer Mixture	N/A
VL131010	Solifenacin	Solefenacin 3-(R)-Quinuclidinol	25333-42-0
VL131011	Solifenacin	Solifenacin Nitrophenyl Ester Impurity	1229227-22-8
VL131012	Solifenacin	Solifenacin Impurity I	N/A
VL131013	Solifenacin	Solifenacin Impurity II	N/A
VL131014	Solifenacin	Solifenacin Related Compound 19	N/A
VL131016	Solifenacin	Phenyl (S)-1-Phenyl-3,4-Dihydroisoquinoline-2(1H)-Carboxylate	N/A
VL131021	Solifenacin	Solifenacin Isoquinoline Ester	N/A
VL131022	Solifenacin	Phenethylbenzamide of Solifenacin	3278-14-6
VL131023	Solifenacin	Solifenacin impurity E	25333-42-0
VL131024	Solifenacin	Solifenacin EP Impurity B	1353274-25-5
VL131025	Solifenacin	(1S)-phenyl-1,2,3,4-tetrahydro-isoquinoline / Phenyltetrahydroisoquinolin	118864-75-8
VL131026	Solifenacin	Solifenacin Phenyldihydroisoquinoline	N/A
VL131027	Solifenacin	Solifenacin Hydroxyquinuclidine Impurity (Base)/(RS)3-Quinuclidinol	1619-34-7
VL2020001	Sorafenib	Sorafenib Tosylate N-Oxide	583840-03-3
VL2020002	Sorafenib	Sorafenib Related Compound 2 / Ethyl (4-Chloro-3-(trifluoromethyl) phenyl)carbamate	18585-06-3

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2020003	Sorafenib	Sorafenib Related Compound 13	N/A
VL2020004	Sorafenib	Sorafenib IP Impurity C	N/A
VL2020005	Sorafenib	Sorafenib Impuity 1	N/A
VL2020006	Sorafenib	PAPE-Ethyl carbamate (Sorafenib impurity-7)	N/A
VL3360001	Sorbitol	Sorbitol ester of mycophenolic acid	N/A
VL4450001	Sotalol	Sotalol related compound B / Sotalol Impurity C	83922-54-7
VL4270001	Streptomycin	Streptomycin Sulfate	57-92-1
VL1740001	Sulfadazine	Sulfadazine Impurity B / Sulfanilic Acid	121-57-3
VL1740002	sulfadiazine	Acetylsulfadiazine	N/A
VL1740003	sulfadiazine	Sulfaguanidine	57-67-0
VL1740004	sulfadiazine	2-Aminopyrimidine	0109-12-6
VL1740005	sulfadiazine	Sulfadiazine	68-35-9
VL1300001	Sulfadoxine	Sulfadoxine Impurity B	N/A
VL1300002	Sulfadoxine	Sulfadoxine Impurity C	N/A
VL1300003	Sulfadoxine	Sulfadoxine Impurity D	N/A
VL1990001	Sulfamethoxazole	Sulfamethoxazole Impurity D	121-57-3
VL1990002	Sulfamethoxazole	Sulfamethoxazole Impurity E	63-74-1
VL1990003	Sulfamethoxazole	Sulfamethoxazole Impurity C	1072-67-9
VL1990004	Sulfamethoxazole	Sulfamethoxazole Impurity F	17103-52-5
VL1990005	Sulfamethoxazole	Sulfamethoxazole Impurity A	21312-10-7
VL1990006	Sulfamethoxazole	Sulfamethoxazole Impurity B	135529-16-7
VL1810001	Sulfasalazine	Sulfasalazine Impurity F	66364-71-4
VL139001	Sulpiride	Sulpiride Impurity D	22117-85-7
VL139002	Sulpiride	Sulpiride Impurity B-1	N/A
VL139003	Sulpiride	Sulpiride Impurity A	26116-12-1
VL139004	Sulpiride	Sulpiride Impurity B-2	N/A
VL950001	Sumatriptan	Sumatriptan Impurity B	88919-51-1
VL950002	Sumatriptan	Sumatriptan Succinate Impurity G	2074614-56-3
VL950003	Sumatriptan	Sumatriptan Succinate Impurity F	2074615-63-5
VL950004	Sumatriptan	Sumatriptan Impurity E	88919-22-6
VL950005	Sumatriptan	Sumatriptan Impurity C	1797905-62-4
VL950006	Sumatriptan	Sumatriptan Impurity D	212069-94-8
VL950007	Sumatriptan	Sumatriptan Impurity A	545338-89-4
VL950008	Sumatriptan	Sumatriptan Impurity H	1391052-59-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL950009	Sumatriptan	Sumatriptan 4-Amino-N-methyl-alpha-toluenesulphonamide	109903-35-7
VL4380001	Sunitinib	Sunitinib N-Oxide impurity	356068-99-0
VL3770001	Tacrolimus	Tacrolimus Related Compound A	135635-46-0
VL3770002	Tacrolimus	Tacrolimus Open Ring Impurity	N/A
VL300001	Tadalafil	Tadalafil Impurity B / Tadalafil Impurity-(6S, 12aS)	171596-28-4
VL300002	Tadalafil	Tadalafil Impurity C / Tadalafil Impurity-(6S, 12aR)	171596-27-3
VL300003	Tadalafil	Tadalafil Impurity A / Tadalafil Impurity-(6R, 12aS)	629652-72-8
VL300004	Tadalafil	Tadalafil N-Methyl	N/A
VL300005	Tadalafil	Tadalafil N-Oxide	N/A
VL300006	Tadalafil	Tadalafil Impurity II	N/A
VL300007	Tadalafil	In-House Tadalafil Impurity-A	N/A
VL300008	Tadalafil	In-House Tadalafil Impurity-B	N/A
VL300009	Tadalafil	Tadalafil Chloroacetyl Impurity / In-House Tadalafil Impurity-C	N/A
VL269001	Tamsulosin	Tamsulosin Impurity B	112101-81-2
VL269002	Tamsulosin	Tamsulosin Impurity E	105764-07-6
VL269003	Tamsulosin	Tamsulosin Impurity F	1051368-80-9
VL269004	Tamsulosin	Tamsulosin Impurity C / Desethoxy Tamsulosin	N/A
VL269005	Tamsulosin	Tamsulosin Impurity D / Methoxy Tamsulosin	80223-96-7
VL269006	Tamsulosin	Tamsulosin (R) Sulfonamide Amine	N/A
VL269007	Tamsulosin	Tamsulosin Sulfonic Acid	890708-67-5
VL269008	Tamsulosin	Catechol Tamsulosin	N/A
VL269009	Tamsulosin	Tamsulosin EPE Mesylate	N/A
VL269010	Tamsulosin	Tamsulosin Impurity H	1329611-47-3 (base)
VL269011	Tamsulosin	Tamsulosin Impurity A	918867-88-6
VL269012	Tamsulosin	Tamsulosin (S) Isomer / S-Enantiomer	N/A
VL269013	Tamsulosin	Tamsulosin Dimer	N/A
VL3580001	Tavaborole	Tavaborole Impurity D	174671-88-6
VL3480001	Tazarotene	Tazarotene Impurity A	N/A
VL3480002	Tazarotene	Tazarotene Impurity B	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL3480003	Tazarotene	Tazarotene Impurity C	N/A
VL142001	Telmisartan	Telmisartan Impurity F / Telmisartan Amide	915124-86-6
VL142002	Telmisartan	Telmisartan Impurity E / Telmisartan Diacid	884330-12-5
VL142003	Telmisartan	Telmisartan Impurity B / Telmisartan Related Impurity B	1026353-20-7
VL142004	Telmisartan	Telmisartan Impurity C / Tert-Butyl Ester	144702-26-1
VL142005	Telmisartan	Telmisartan Impurity A / Telmisartan Related Impurity A	152628-02-9
VL142006	Telmisartan	Telmisartan Impurity D	N/A
VL142007	Telmisartan	Telmisartan EP Impurity H	114772-40-6
VL142008	Telmisartan	Telmisartan Chloro Analogue Impurity	N/A
VL142009	Telmisartan	Telmisartan Dimer	884330-14-7
VL142010	Telmisartan	Telmisartan Methyl Ester	528560-93-2
VL142011	Telmisartan	Telmisartan Chloro Impurity	885045-90-9
VL142012	Telmisartan	Telmisartan Dimethylamino	N/A
VL142013	Telmisartan	Telmisartan Stage II	N/A
VL142014	Telmisartan	Telmisartan -IIIA	N/A
VL142015	Telmisartan	Telmisartan Impurity	N/A
VL142016	Telmisartan	Telmisartan Impurity G	528560-93-2
VL142017	Telmisartan	Telmisartan bromo amide	147404-72-6
VL1930001	Temazepam	Temazepam Impurity A / 5-Chloro-2-Methylaminobenzophenone	1022-13-5
VL3100001	Teneligliptin	Teneligliptin Impurity A	N/A
VL470001	Tenofovir	Tenofovir Mixed Dimer	1093279-77-6
VL470002	Tenofovir	Tenofovir IPC Impurity	N/A
VL470003	Tenofovir	Tenofovir IPR Impurity / Tenofovir IPR-POC-PMPA	1246812-40-7
VL470004	Tenofovir	Tenofovir ME Impurity / Tenofovir Impurity-Me-POC PMPA	N/A
VL470005	Tenofovir	Tenofovir Disoproxil Carbamate Impurity H	1244022-54-5
VL470006	Tenofovir	Tenofovir Disoproxil Fumarate USP Impurity G	1422284-15-8
VL470007	Tenofovir	Tenofovir Dimer Impurity	1607007-18-0
VL470008	Tenofovir	N POC-POC PMPA	1217542-13-6
VL470009	Tenofovir	Tenofovir (S)-Enantiomer / Tenofovir-S	147127-19-3
VL470011	Tenofovir	Tenofovir Monoethyl Ester	N/A
VL470012	Tenofovir	Tenofovir Diethyl	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL470014	Tenofovir	Tenofovir Mono POC Dimer	1962114-92-6
VL470015	Tenofovir	Tenofovir Disoproxil Dimer Impurity	1093279-76-5
VL470016	Tenofovir	Tenofovir Disoproxil Carbamate Impurity	1244022-54-5
VL470017	Tenofovir	Tenofovir Isopropyl Isoproxil Impurity	N/A
VL470018	Tenofovir	Tenofovir Disoproxil Ethyl Ester Impurity	N/A
VL470019	Tenofovir	Tenofovir (MOC-POC-PMPA)	1246812-43-0
VL470020	Tenofovir	Tenofovir (NPOC-POC-PMPA)	1217542-13-6
VL470021	Tenofovir	Tenofovir Impurity (9-Propenyladenine)	4121-39-5
VL470022	Tenofovir	Tenofovir Impurity D	N/A
VL470023	Tenofovir	Tenofovir Impurity H	N/A
VL470024	Tenofovir	Tenofovir Mono-POC-PMPA	211364-69-1
VL470025	Tenofovir	Tenofovir Adenine impurity	73-24-5
VL470026	Tenofovir	Tenofovir Monoester	211364-69-1
VL470027	Tenofovir	Tenofovir Fumaric Acid	N/A
VL470028	Tenofovir	Tenofovir DF Dimer Impurity	N/A
VL470029	Tenofovir	Tenofovir IPR-POC-PMPA	1246812-40-7
VL470030	Tenofovir	Tenofovir N-Propyl Impurity	N/A
VL470031	Tenofovir	Tenofovir Isopropyl Impurity	N/A
VL470032	Tenofovir	Tenofovir Ethyl Impurity	N/A
VL470033	Tenofovir	Tenofovir Disoproxil Related Compound B	4121-40-8
	Tenofovir	Tenofovir Disoproxil Fumarate C1 & C2 Impurity	365417-53-4
VL4370004	Terazosin	Terazosin EP Impurity M/Prazosin EP B Impurity	31350-27-3
VL4370005	Terazosin	Terazosin EP Impurity L/Prazosin EP D Impurity	40172-95-0
VL437001	Terazosin	Terazosin EP Impurity D / Prazosin EP Impurity F	84050-21-5
VL437002	Terazosin	Terazosin EP Impurity C / Prazosin Impurity C / Terazosin USP Related Compound A	60547-97-9

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL437003	Terazosin	Terazosin EP Impurity E / Terazosin USP Related Compound C / Prazosin EP Impurity E	102839-00-9 (Base)
VL4370006	Terazosin	Terazosin Related Compound C	1486464-41-8
VL930001	Terbinafine	Terbinafine Impurity E / Terbinafine Dimer Impurity	934365-23-8
VL930002	Terbinafine	Terbinafine Impurity B / Terbinafine Related Compound B / Z-Isomer	76168-78-8
VL930003	Terbinafine	Terbinafine Impurity Z	N/A
VL930004	Terbinafine	Terbinafine Impurity A / Terbinafine Related Compound A	14489-75-9 (base)
VL930005	Terbinafine	Terbinafine Impurity C / Terbinafine Related Compound C	877265-30-0
VL930006	Terbinafine	Terbinafine Impurity D / Terbinafine Related Compound D	877265-33-3
VL930007	Terbinafine	Terbinafine Process Impurity	635708-74-6
VL930008	Terbinafine	Terbinafine Impurity F	926281-74-5
VL930009	Terbinafine	Terbinafine HCl (4-methyl) / 4-Methyl Terbinafine	78628-80-5
VL840001	Terbutaline	Terbutaline Impurity A	99-10-5
VL840002	Terbutaline	Terbutaline Impurity B	N/A
VL840003	Terbutaline	Terbutaline Impurity C	N/A
VL840004	Terbutaline	Terbutaline Impurity D	N/A
VL2970001	Teriflunomide	Teriflunomide 4-(Difluoromethyl)Aniline	49658-26-6
VL2970002	Teriflunomide	Teriflunomide 4-(Fluoromethyl)Aniline	61865-29-0
VL2970003	Teriflunomide	Teriflunomide 1-Ethoxy-4-(Trifluoromethyl) Benzene	N/A
VL2970004	Teriflunomide	Teriflunomide Impurity A (Desfluro Teriflunomide)	N/A
VL2970005	Teriflunomide	Teriflunomide Impurity B (Ortho isomer of Teriflunomide)	N/A
VL2970006	Teriflunomide	Teriflunomide Impurity C (Meta isomer of Teriflunomide)	N/A
VL2970007	Teriflunomide	Teriflunomide Impurity D (TFM) 4 trifluoromethyl)aniline	N/A

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VL2970008	Teriflunomide	Teriflunomide Impurity E (Leflunomide)	N/A
VL3440001	Testosterone	6-Keto-Testosterone Cypionate	N/A
VL3440002	Testosterone	Delta-6-Testosterone Cypionate	N/A
VL3440003	Testosterone	Delta 9(11) Testosterone Cypionate	122651-11-0
VL3440004	Testosterone	testosterone acetate	1045-69-8
VL3440005	Testosterone	testosterone propionate	57-85-2
VL3440006	Testosterone	testosterone Androstadienedione	N/A
VL3440007	Testosterone	testosterone 1-Dehydrotestosterone	846-48-0
VL3440008	Testosterone	Testosterone Impurity	58-22-0
VL3440009	Testosterone	Testosterone Decanoate	5721-91-5
VL3440010	Testosterone	Testosterone EP Impurity F (Stanolone)	521-18-6
VL3440011	Testosterone	Testosterone EP Impurity A	63-05-8
VL3440012	Testosterone	Testosterone EP Impurity G	897-06-3
VL3440013	Testosterone	Testosterone EP Impurity H	846-48-0
VL3440014	Testosterone	Testosterone EP impurity C	481-30-1
VL3440015	Testosterone	Testosterone EP impurity I	2484-30-2
VL3440016	Testosterone	Testosterone EP impurity J	57144-06-06
VL3440017	Testosterone	Testosterone EP impurity B	972-46-3
VL3440018	Testosterone	Testosterone EP impurity D	1156-92-9
VL3440019	Testosterone	Testosterone EP impurity E	1045-69-8
VL3440020	Testosterone	Delta 8(9) Testosterone Cypionate	N/A
VL3440021	Testosterone	Testosterone 17(E)-3-cyclo pentyl acrylate	N/A
VL2240001	Tetracaine	Tetracaine HCL Impurity A	150-13-0
VL2240002	Tetracaine	Tetracaine HCL Impurity B	740-24-3
VL2240003	Tetracaine	Tetracaine HCL Impurity C	N/A
VL4230001	Tetracycline	Tetracycline Impurity A	N/A
VL4230002	Tetracycline	Tetracycline Impurity C	N/A
VL4230003	Tetracycline	Tetracycline Impurity G	N/A
VL4230004	Tetracycline	Lymecycline Impurity G	57-62-5
VL4230005	Tetracycline	2-Acetyl-2-decarbamoyltetracycline	7301-38-4

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL4230006	Tetracycline	α-[2-(Methylamino)ethyl] benzenemethanol	42142-52-9
VL2960001	Tetrahydropterin	5,6,7,8-Tetrahydropterin Dihydrochloride	69056-38-8
VL3470001	Theophylline	Theophylline Etofylline	N/A
VL140001	Thiadiazole	Hydroxy Morpholino Thiadiazole	75202-36-7
VL3280001	Thiamine	Thiamine Impurity A	2380-61-2
VL800001	Thiouracil/Thiourea	2-Thiouracil	141-90-2
VL800002	Thiouracil/Thiourea	6-Methyl-2-Thiouracil	56-04-2
VL800003	Thiouracil/Thiourea	Thiourea Impurity A	N/A
VL141001	Tiagabine	Tiagabine Impurity I	N/A
VL141002	Tiagabine	Tiagabine Impurity II	N/A
VL141003	Tiagabine	Tiagabine N- Oxide	N/A
VL141004	Tiagabine	Tiagabine Impurity III	N/A
VL141005	Tiagabine	Tiagabine Keto Impurity / Tiagabine Related Impurity	161014-56-8
VL146001	Tibolone	Tibolone Impurity	N/A
VL146002	Tibolone	Tibolone Impurity D	32297-45-3
VL3180001	Ticagrelor	Ticagrelor Triol Impurity	N/A
VL3180002	Ticagrelor	Ticagrelor Regiomer Impurity	N/A
VL3180003	Ticagrelor	Ticagrelor S-Oxide Impurity	N/A
VL3180004	Ticagrelor	Ticagrelor IP Impurity B / Ticagrelor EP Impurity H	N/A
VL3180005	Ticagrelor	Ticagrelor IP Impurity D	N/A
VL3180006	Ticagrelor	Ticagrelor EP Impurity G	220347-05-7
VL3180007	Ticagrelor	Ticagrelor IP Impurity H	N/A
VL3180008	Ticagrelor	Ticagrelor Amine Impurity	N/A
VL3180009	Ticagrelor	Ticagrelor TIC-5A (2,3 DF)	N/A
VL3180010	Ticagrelor	Ticagrelor TIC-5A (4F)	N/A
VL3180011	Ticagrelor	Ticagrelor sulfoxide / Mixture of Diastereomers	1644461-85-7
VL3180012	Ticagrelor	Ticagrelor TFR_Amino Impurity	N/A
VL3180013	Ticagrelor	Ticagrelor Pyrimidine Dimer	N/A
VL3180014	Ticagrelor	Ticagrelor Triazole Isomer	N/A
VL3180015	Ticagrelor	Ticagrelor Related Compound -01	155899-66-4
VL3180017	Ticagrelor	Ticagrelor Impurity	1788033-05-5
VL3180018	Ticagrelor	Ticagrelor Impurity	1616703-93-5
VL3180016	Ticagrelor	Ticagrelor Related Compound 76	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1540001	Ticlopidine	Ticlopidine Related Compound A / Clopidogrel Impurity 4A	N/A
VL213001	Timolol	Timolol Impurity B	59697-06-2
VL213002	Timolol	Timolol Impurity D	30165-97-0
VL213003	Timolol	Timolol Impurity G	75202-36-7
VL213004	Timolol	Timolol Impurity E	1026075-53-5
VL213005	Timolol	Timolol Impurity A	26839-76-9
VL213006	Timolol	Timolol Impurity F	30165-96-9
VL213007	Timolol	Timolol Impurity H	N/A
VL213008	Timolol	Timolol Impurity J	N/A
VL213009	Timolol	Timolol Impurity I	N/A
VL213010	Timolol	Timolol Impurity C	610271-56-2
VL213011	Timolol	Timolol Dimorpholine Impurity	N/A
VL213012	Timolol	Timolol 3,4 Dichlorothiazole	N/A
VL213013	Timolol	Timolol T-Butylaminopropanediol	N/A
VL2650001	Tinidazole	Tinidazole Impurity A (2-Methyl-5-Nitromidazole)	696-23-1
VL2650002	Tinidazole	Tinidazole Impurity B	25459-12-5
VL236001	Tioconazole	Tioconazole Impurity-A	N/A
VL236002	Tioconazole	Tioconazole Impurity-B	N/A
VL236003	Tioconazole	Tioconazole Impurity-C	N/A
VL2720001	Tirofiban	Tirofiban Impurity A	149490-60-8
VL2720002	Tirofiban	Tirofiban Impurity B	149463-65-0
VL285001	Tizanidine	Tizanidine Dimer Impurity	N/A
VL285002	Tizanidine	Tizanidine Impurity H / Ethylene Diamine	107-15-3
VL285003	Tizanidine	Tizanidine Impurity A	51322-69-1
VL285004	Tizanidine	Tizanidine Impurity B	25459-12-5
VL285005	Tizanidine	Tizanidine Impurity C	1147548-83-1
VL285006	Tizanidine	Tizanidine Impurity D	51323-03-6
VL285007	Tizanidine	Tizanidine Impurity E / Tizanidine Related Compound A	30536-19-7
VL285008	Tizanidine	Tizanidine Impurity F	1147548-85-3
VL285009	Tizanidine	Tizanidine Related Compound B	173532-15-5
VL285010	Tizanidine	Tizanidine Related Compund C	5391-52-6
VL285011	Tizanidine	Tizanidine Related Compound D	N/A
VL4060001	Tobramycin	Tobramycin Impurity A	4696-76-8
VL460001	Tolterodine	Tolterodine Enantiomer / (S) Enantiomer-Tolterodine Tartrate	124937-54-8
VL460002	Tolterodine	Didesisopropyl Tolterodine	1189501-90-3

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL460003	Tolterodine	Desisopropyl Tolterodine Tartrate	N/A
VL460004	Tolterodine	Tolterodine Monomer	194482-41-2 (Freebase)
VL460005	Tolterodine	Tolterodine Mixture of Diastereomer / 6-Methyl-4-Phenylchroman-2-Ol	209747-04-6
VL460006	Tolterodine	Tolterodine Monoisopropyl	N/A
VL460007	Tolterodine	Tolterodine Lactol	209747-04-6
VL460008	Tolterodine	Tolterodine Lactone / 6-Methyl 4-Phenylchroman-2-One	40546-94-9
VL460009	Tolterodine	Tolterodine Diol Acetate Impurity	N/A
VL460010	Tolterodine	Tolterodine Dimer	854306-72-2
VL460011	Tolterodine	Tolterodine P- Cresol	106-44-5
VL460012	Tolterodine	Tolterodine Diol Impurity	851789-43-0
VL460013	Tolterodine	Tolterodine Trans Cinnamic Acid	140-10-3
VL460014	Tolterodine	Tolteridone Monoisopropyl methoxy racemate HCl analog	1391053-65-8
VL460015	Tolterodine	Tolteridone Methoxy propanol impurity racemate	124937-73-1
VL4300003	Topiramate	Topiramate Related Compound A	20880-92-6
VL271001	Topotecan	Topotecan N-Oxide	N/A
VL2920001	Torsemide	Torsemide Impurity A	72810-61-8
VL2920002	Torsemide	Torsemide Impurity E	72810-57-2
VL3860001	Toxidofa	Toxidofa 3,4-dihydroxybenzaldehyde. (DHB)	139-85-5
VL3860002	Toxidofa	Toxidofa 2, 3-dihydrophthalazine-1, 4-dione. (DXD-V Impurity)	1445-69-8
VL3500001	Tracolimus	Tracrolimus Monohydrate	N/A
VL3500002	Tracolimus	Tracrolimus Impurity A	104987-12-4
VL3500003	Tracolimus	Tracrolimus Impurity D	131944-48-4
VL1260001	Tranexamic	Tranexamic Acid Impurity A	93940-19-3
VL1260002	Tranexamic	Tranexamic Acid Impurity B	1197-17-7
VL1260003	Tranexamic	Tranexamic Impurity C	330838-52-3 (base)
VL1260004	Tranexamic	Tranexamic Acid Impurity D / 4-Aminomethylbenzoic Acid	56-91-7

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL279001	Travoprost	Travoprost Related Compound A	54276-17-4
VL279002	Travoprost	5,6-TRANS TRAVOPROST	1563176-59-9
VL620001	Trazodone	Trazodone Impurity A	N/A
VL620002	Trazodone	Trazodone Impurity B	N/A
VL620003	Trazodone	Trazodone Impurity C / Trazodone 4-Chloro-Derivative	6323-14-4
VL620004	Trazodone	Trazodone Impurity D	N/A
VL620005	Trazodone	Trazodone Impurity E / Trazodone 4-Ethyl-Derivative	N/A
VL620006	Trazodone	Trazodone Impurity F	N/A
VL620007	Trazodone	Trazodone Impurity G	N/A
VL620008	Trazodone	Trazodone Impurity H / Bis-Chlorophenylpiperazino-Propane	N/A
VL620009	Trazodone	Trazodone CPH Impurity	N/A
VL620010	Trazodone	Hydroxypropyl Chlorophenylpiperazine	32229-98-4
VL620012	Trazodone	Trazodone 4-Chloro-Derivative / Trazodone Impurity C	6323-14-4
VL620014	Trazodone	3,4-Dichlorotrazodone	1263278-79-0
VL620015	Trazodone	Trazodone 3-chlorophenyl piperazine	6640-24-0
VL620016	Trazodone	Trazodone Dimer	N/A
VL620017	Trazodone	Trazodone 1-(3-chlorophenyl)piperazine	6640-24-0
VL620018	Trazodone	Trazodone 3-[4-(3-chlorophenyl)-1-piperazinyl]propanol	32229-98-4
VL620019	Trazodone	Deschloro Trazodone	62337-66-0
VL620020	Trazodone	Bispiperazine Trazodone	6323-09-7
VL620021	Trazodone	Trazodone diaryl impurity	79975-63-6
VL620022	Trazodone	Trazodone Impurity J	N/A
VL3540001	Triamcinolone	Triamcinolone Acetonide Impurity K	N/A
VL3540002	Triamcinolone	Triamcinolone Acetonide Impurity H	N/A
VL3540003	Triamcinolone	Triamcinolone Acetonide Impurity D	10392-74-2
VL3540004	Triamcinolone	Triamcinolone Acetonide Impurity I	N/A
VL3540005	Triamcinolone	Triamcinolone Impurity B	N/A
VL3540006	Triamcinolone	Triamcinolone Impurity C	337-02-0

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL3540007	Triamcinolone	Triamcinolone Acetonide 21-methoxy	161740-70-1
VL3540008	Triamcinolone	Triamcinolone Acetonide 17 -carboxilic acid	N/A
VL3540009	Triamcinolone	Triamcinolone Acetonide gloxalic acid	N/A
VL4170001	Triammonium Bromide	Cetyl triammonium Bromide	57-09-0
VL3600001	Triamterene	Triamterene Related Compound A	1006-23-1
VL3600002	Triamterene	Triamterene Related Compound B	19375-89-4
VL4160001	Trifluoperazine	Trifluoperazine N-Methylpiperazinilchloride	N/A
VL3220001	Trifluridine	Trifluridine Related Compound A	14599-46-3
VL850001	Trihexylphenyl	Trihexylphenyl Impurity 1	N/A
VL850002	Trihexylphenyl	Trihexylphenyl Impurity 2	N/A
VL3270001	Trimebutine	Trimebutine Maleate Impurity A	39068-94-5
VL3270002	Trimebutine	Trimebutine Maleate Impurity B	118-41-2
VL3270003	Trimebutine	Trimebutine Maleate Impurity C	1916-07-0
VL3270004	Trimebutine	Trimebutine Maleate Impurity D	92414-09-0
VL3270005	Trimebutine	Trimebutine Maleate Impurity E	294882-33-0 (HCl)
VL2190001	Trimetazidine	Trimetazidine Impurity E	356083-64-2 (Base)
VL2190002	Trimetazidine	Trimetazidine Dihydrochloride Impurity B (EP)	1257-19-8
VL2190003	Trimetazidine	Trimetazidine Dihydrochloride Impurity D (EP)	71989-96-3 (Base)
VL2190004	Trimetazidine	Trimetazidine Dihydrochloride Impurity E (EP)	356083-64-2 (Base)
VL2190005	Trimetazidine	Trimetazidine Dihydrochloride Impurity F (EP)	113698-83-2
VL2190006	Trimetazidine	Trimetazidine Dihydrochloride Impurity H (EP)	53531-01-04 (Base)
VL2190007	Trimetazidine	Trimetazidine Impurity I DiHCl	53960-20-6 (2HCl) ; 93152-26-2 (Base)

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2190008	Trimetazidine	Trimetazidine Dihydrochloride Impurity G	142-64-3 (2 HCl)
VL2190009	Trimetazidine	Trimetazidine Impurity A	52146-35-7
VL2190010	Trimetazidine	Trimetazidine Dihydrochloride Impurity C (EP)	2103-57-3
VL2190011	Trimetazidine	Trimetazidine EP Impurity J	879646-17-0
VL2190012	Trimetazidine	Trimetazidine N-oxide	N/A
VL2190013	Trimetazidine	Trimetazidine N-formyl Impurity	92700-82-8
VL2190014	Trimetazidine	Trimetazidine EP Impurity I (2 HC l salt)	N/A
VL1640001	Trimethoprim	Trimethoprim Impurity H	1916-07-0
VL1640002	Trimethoprim	Trimethoprim Impurity J	118-41-2
VL1640003	Trimethoprim	Trimethoprim Related Compound D	N/A
VL1640004	Trimethoprim	Trimethoprim Impurity B / Trimethoprim Related Compound B	30806-86-1
VL1640005	Trimethoprim	Trimethoprim Impurity A	213745-86-9
VL1640006	Trimethoprim	Trimethoprim Impurity C	29606-06-2
VL1640007	Trimethoprim	Trimethoprim Impurity D	92440-76-1
VL1640008	Trimethoprim	Trimethoprim Impurity E	60729-91-1
VL1640009	Trimethoprim	Trimethoprim Impurity F	16285-82-8
VL1640010	Trimethoprim	Trimethoprim Impurity G	78025-68-0
VL1640011	Trimethoprim	Trimethoprim Impurity I	30078-48-9
VL4660001	Triphenylphosphine	Triphenylphosphine Oxide (OSPCC)	N/A
VL238001	Triprolidine	Triprolidine N-Oxide	1310575-86-0
VL242001	Trospium	Trospium Chloride Impurity D	467-32-3
VL242002	Trospium	Trospium Related Compound A	76-93-7
VL242003	Trospium	Trospium EP Impurity B / Trospium Related Compound B	16444-19-2
VL242004	Trospium	Trospium Chloride: (TRP-iE, exo-trospium)	10405-02-04
VL4480001	Ursocholic	Ursocholic EP Impurity D / Ursocholic acid	2955-27-3
VL2450001	Ursodeoxycholic	Ursodeoxycholic Acid Alcohol / Ursodeoxycholic Impurity I	N/A
VL2450002	Ursodeoxycholic	Ursodeoxycholic Acid Methyl Ester / Ursodeoxycholic Impurity G	10538-55-3

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2450003	Ursodeoxycholic	Chenodoxycholic Acid	81-25-4
VL2450004	Ursodeoxycholic	Lithocholic Acid / Impurity C	434-13-9
VL2450005	Ursodeoxycholic	Ursodeoxycholic Impurity F / Alpha Hydroxy 7 Cheto Cholanic Acid	4651-67-6
VL2750001	Ursodiol	Ursodiol Impurity E / Deoxychlic Acid	N/A
VL149001	Valaciclovir	Valaciclovir EP Impurity C	1346617-39-7
VL149002	Valaciclovir	Valaciclovir EP Impurity D	1346747-69-0
VL149003	Valaciclovir	Valaciclovir EP Impurity E	124832-31-1
VL149004	Valaciclovir	Valaciclovir EP Impurity F	86150-61-0
VL149005	Valaciclovir	Valaciclovir EP Impurity G	1122-58-3
VL149006	Valaciclovir	N-Formyl Valaciclovir	847670-62-6
VL149007	Valaciclovir	D-Valaciclovir	N/A
VL149008	Valaciclovir	Valaciclovir EP Impurity A	73-40-5
VL149009	Valaciclovir	Valaciclovir EP Impurity B	59277-89-3
VL149010	Valaciclovir	Valaciclovir EP Impurity H	84499-64-9 (base) ; 84499-63-8 (HCl salt)
VL149011	Valaciclovir	Valaciclovir EP Impurity J	142963-63-1
VL149012	Valaciclovir	Valaciclovir EP Impurity I	102728-64-3
VL3800001	Valeric acid	2-butyl valeric acid / Impurity E	3274-28-0
VL1820001	Valganciclovir / Ganciclovir	Valganciclovir Related Compound E	88110-89-8
VL1820002	Valganciclovir / Ganciclovir	Valganciclovir Related Compund F	N/A
VL1820003	Valganciclovir / Ganciclovir	Valganciclovir Related Compound F / Ganciclovir Divalinate Impurity	130914-71-5
VL1820004	Valganciclovir / Ganciclovir	Vanganciclovir Related Compound J	N/A
VL1820005	Valganciclovir / Ganciclovir	Valganciclovir Impurity C / Isomonochloroganciclovir	N/A
VL1820006	Valganciclovir / Ganciclovir	Ganclovir Related Compound A	82410-32-0
VL1820007	Valganciclovir / Ganciclovir	Guanine Related Compound B	73-40-5
VL1820008	Valganciclovir / Ganciclovir	Valganciclovir Related Compound C	1202645-50-8
VL1820009	Valganciclovir / Ganciclovir	Valganciclovir Related Compound D	N/A
VL1820010	Valganciclovir / Ganciclovir	Valganciclovir Related Compound J	N/A
VL1820011	Valganciclovir / Ganciclovir	Valganciclovir Related Compound N	1401562-16-0

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VL1820012	Valganciclovir / Ganciclovir	Ganciclovir Mono-Nmethyl Valinate	1401562-16-0
VL1820013	Valganciclovir / Ganciclovir	Isovalganciclovir	N/A
VL1820014	Valganciclovir / Ganciclovir	D-Valganciclovir	1393911-57-3
VL4580001	Valproate	Sodium Valproate Impurity A	N/A
VL4580002	Valproate	Sodium Valproate Impurity J	N/A
VL151001	Valproic	Valproic Acid Impurity	N/A
VL151002	Valproic	Valproic Acid Impurity A	109-52-4
VL151003	Valproic	2-Ethylvalproic Acid	N/A
VL151004	Valproic	2-Isopropyl Valproic Acid	N/A
VL151005	Valproic	Valproic Acid Impurity B / Divalproex (2-Methyl)	20225-24-5
VL151006	Valproic	Valproic Acid Impurity E / Divalproex 2-Butyl	626-97-1
VL151007	Valproic	Valproic Acid Impurity C	62391-99-5
VL152001	Valsartan	Valsartan Related Compound A	137862-87-4
VL152002	Valsartan	Valsartan EP Impurity C / Valsartan Related Compound B	952652-79-8
VL152003	Valsartan	Valsartan Related Compound C	137863-20-8
VL152004	Valsartan	Valsartan Methyl Ester	137863-17-3
VL152005	Valsartan	Valsartan L-Alanine	137862-57-8
VL152006	Valsartan	Valsartan Ethyl Ester	1111177-30-0
VL152007	Valsartan	Valsartan Related Compound 01	N/A
VL152008	Valsartan	Devaleryl Valsartan	676129-92-3
VL152009	Valsartan	Valsartan N-Formyl Impurity	1418314-03-0
VL370001	Vardenafil	Vardenafil Impurity A	2169247-39-4
VL370002	Vardenafil	Vardenafil Impurity B	437717-43-6
VL370003	Vardenafil	Vardenafil Impurity C	1255919-03-9.
VL370004	Vardenafil	Vardenafil Impurity 1	N/A
VL370005	Vardenafil	Vardenafil Impurity 2	N/A
VL370006	Vardenafil	Vardenafil N-Oxide Impurity	448184-48-3
VL370007	Vardenafil	N-desmethyl Vardenafil Impurity	N/A
VL4690001	Vecuronium	Vecuronium Bromide Related Compound B	N/A
VL2200001	Velpatasvir	Velpatasvir GS-598740	N/A
VL2200002	Velpatasvir	Velpatasvir GS- 590092	N/A
VL2200003	Velpatasvir	Velpatasvir GS- 607685	N/A

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VL2200004	Velpatasvir	Velpatasvir GS- 617116	N/A
VL2200005	Velpatasvir	Velpatasvir GS- 627173	N/A
VL2200006	Velpatasvir	Velpatasvir GS- 627174	N/A
VL2200007	Velpatasvir	Velpatasvir GS- 642269	N/A
VL2200008	Velpatasvir	Velpatasvir GS- 642272	N/A
VL2200009	Velpatasvir	Velpatasvir GS- 642273	N/A
VL2200010	Velpatasvir	Velpatasvir GS- 607019	N/A
VL2200011	Velpatasvir	Velpatasvir GS- 643464	N/A
VL2200012	Velpatasvir	Velpatasvir GS- 695896	N/A
VL2200013	Velpatasvir	Velpatasvir GS- 650350	N/A
VL2200014	Velpatasvir	Velpatasvir GS- 645999	N/A
VL2200015	Velpatasvir	Velpatasvir GS- 643677	N/A
VL2200016	Velpatasvir	Velpatasvir GS- 642275	N/A
VL2200017	Velpatasvir	Velpatasvir GS- 589693	N/A
VL2200018	Velpatasvir	Velpatasvir GS- 644434	N/A
VL286001	Venlafaxine	Venlafaxine Impurity F	93413-79-7
VL286002	Venlafaxine	O-Desmethyl Venlafaxine / Desvenlafaxine	93413-62-8
VL286003	Venlafaxine	Venlafaxine Impurity A / Descyclohexanol Venlafaxine	775-33-7
VL286004	Venlafaxine	Venlafaxine Impurity B	323176-93-8 (Base)
VL286005	Venlafaxine	Venlafaxine Impurity C / Didesmethyl / Venlafaxine Impurity II	130198-05-9
VL286006	Venlafaxine	Venlafaxine Impurity D / Venlafaxine Related Compound A	93413-90-2
VL286007	Venlafaxine	Venlafaxine Impurity E	93413-56-0
VL286008	Venlafaxine	Venlafaxine Impurity G / Deoxy Venlafaxine	1076199-92-2
VL286009	Venlafaxine	Venlafaxine Impurity H	1329795-88-1
VL286010	Venlafaxine	Venlafaxine Hydroxy Nitrile impurity	N/A
VL286011	Venlafaxine	Venlafaxine Impurity I / Venlafaxine Cyano Impurity	93413-76-4
VL286012	Venlafaxine	MF-Amine impurity	N/A
VL286014	Venlafaxine	Venlafaxine N-Oxide Impurity	1094598-37-4
VL286015	Venlafaxine	Venlafaxine N-Oxide Impurity	1094598-37-4
VL286016	Venlafaxine	3 Desvenlafaxine Succinate	386750-22-7
VL286017	Venlafaxine	Venlafaxine HCl-VEF-2 impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL2330001	Verapamil	Verapamil Impurity M	190850-50-1 (HCl salt) ; 141991-89-1 (base)
VL2330002	Verapamil	Verapamil Impurity A	63434-11-7
VL2330003	Verapamil	Verapamil Impurity B	13078-76-7 (HCl salt) ; 3490-06-0 (base)
VL2330004	Verapamil	Verapamil Impurity C	51012-67-0
VL2330005	Verapamil	Verapamil Impurity D	36770-74-8
VL2330006	Verapamil	Verapamil Impurity E	93-03-8
VL2330007	Verapamil	Verapamil Impurity J	67812-42-4 (HCl salt)
VL2330008	Verapamil	Verapamil Impurity K	20850-49-1
VL2330009	Verapamil	Verapamil Impurity G	120-14-9
VL2330010	Verapamil	Verapamil Impurity L	14046-55-0
VL2330011	Verapamil	Verapamil Impurity F	34245-14-2
VL1590001	Vigabatrin	Vigabatrin Impurity D / 4 Aminobutanoic Acid	56-12-2
VL1590002	Vigabatrin	Vigabatrin Impurity C	71107-19-2
VL1590003	Vigabatrin	Vigabatrin Impurity A / Vigabatrin N-Carboxymethyl Vinylpyrrolidinone	N/A
VL1590004	Vigabatrin	Vigabatrin Related Compound A	7529-16-0
VL1590005	Vigabatrin	Vigabatrin EP impurity F	794466-81-2
VL1590006	Vigabatrin	N-3-Oxocarbox-ypentyl vinylpyrrolidinone	N/A
VL1590007	Vigabatrin	Vigabatrin Related Compound B	N/A
VL3490001	Viladagliptin	Viladagliptin (2R)-Isomer	1036959-27-9
VL3490002	Viladagliptin	Viladagliptin R-isomer	1036959-27-9
VL3490003	Viladagliptin	Vildagliptin amide impurity	565453-39-6
VL3490004	Viladagliptin	Vildagliptin acid impurity	N/A
VL3490005	Viladagliptin	Vildagliptin dimer impurity	1036959-23-5
VL3490006	Viladagliptin	Vildagliptin Amino Alcohol Impurity	702-82-9
VL254001	Vilazodone	Vilazodone Impurity C / Vilazodone N-Oxide	1622425-52-8
VL254002	Vilazodone	Vilazodone Impurity VIII	N/A
VL254003	Vilazodone	Vilazodone Impurity A	N/A
VL254004	Vilazodone	Vilazodone Impurity B	N/A
VL1070001	Voriconazole	Voriconazole Impurity E	5872-08-02
VL1070002	Voriconazole	Voriconazole Related Compound C	86404-63-9
VL1070003	Voriconazole	Voriconazole Related Compound D	182369-73-9

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL1070004	Voriconazole	Voriconazole EP Impurity C	137234-88-9
VL3530001	Vortioxetine	Vortioxetine Sulfoxide	1429908-35-9 free base
VL3530002	Vortioxetine	N formyl vortioxetine	2135576-73-5
VL3530003	Vortioxetine	N-acetyl vortioxetine Impurity	1801352-86-2
VL910001	Warfarin	Warfarin Impurity A	15156-56-6
VL910002	Warfarin	Warfarin Impurity B	1076-38-6
VL910003	Warfarin	Warfarin Impurity C	122-57-6
VL910004	Warfarin	Benzylacetone	2550-26-7
VL910005	Warfarin	Warfarin EP Impurity B / 4-Hydroxycumarin	1076-38-6
VL282001	Zidovudine	Zidovudine Impurity B / Zidovudine Related Compound B	25526-94-7
VL282002	Zidovudine	Zidovudine Related Compound C	65-71-4
VL282003	Zidovudine	Zidovudine Related Compound A	3056-17-5
VL282004	Zidovudine	Zidovudine Impurity J	29706-84-1
VL282005	Zidovudine	Zidovudine EP Impurity A	3056-17-5
VL282006	Zidovudine	Zidovudine EP Impurity G	148665-49-0
VL282007	Zidovudine	Zidovudine EP Impurity K	596-31-6
VL282008	Zidovudine	Zidovudine EP Impurity D	76-84-6
VL248001	Ziprasidone	Ziprasidone Related Compound A	87691-87-0
VL248002	Ziprasidone	Ziprasidone Related Compound B	1159977-56-6
VL248003	Ziprasidone	Ziprasidone Related Compound D / Ziprasidone Impurity E	1159977-04-4
VL248004	Ziprasidone	Ziprasidone Open Ring Impurity	1798033-44-9, 1159977-64-6 (Free Acid)
VL248005	Ziprasidone	Ziprasidone N- Oxide	188797-76-4
VL248006	Ziprasidone	Ziprasidone S- Oxide / Sulfoxide	N/A
VL248007	Ziprasidone	Ziprasidone Related Compound C / Ziprasidone Impurity D / Dimer Impurity	1303996-68-0
VL248008	Ziprasidone	Ziprasidone Impurity C / Ziprasidone Amino Acid	1798033-44-9 ; 1159977-64-6 (Free Acid)
VL248009	Ziprasidone	Ziprasidone Impurity P	223586-82-1
VL4200001	Ziprasisone	Ziprasisone T-Butoxy Impurity	N/A

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL350001	Zolmitriptan	Zolmitriptan-Stage-IV / Zolmitriptan Related Compound G	152305-23-2
VL350002	Zolmitriptan	Zolmitriptan-N-Oxide / Zolmitriptan Impurity 03 / Zolmitriptan Realated Compound E	251451-30-6
VL350003	Zolmitriptan	Zolmitriptan-N-Desmethyl / Zolmitriptan Impurity 05	139264-35-0
VL350004	Zolmitriptan	Zolmitriptan Amine	N/A
VL350005	Zolmitriptan	Zolmitriptan R-Isomer / Zolmitriptan Impurity 01	139264-24-7
VL350006	Zolmitriptan	Zolmitriptan Related Compound H	1116-77-4
VL350007	Zolmitriptan	Zolmitriptan Related Compound B / Zolmitriptan Impurity 06	139264-69-0
VL350009	Zolmitriptan	Zolmitriptan Related Compound F	1350928-05-0
VL350010	Zolmitriptan	Zolmitriptan N-methyl	N/A
VL2060001	Zolpidem	Zolpidem Tartrate Impurity A	1346600-85-8
VL2060002	Zolpidem	Zolpidem Acid Impurity	189005-44-5
VL2030001	Zonisamide	Methyl Zonisamide	68292-02-04
VL2030002	Zonisamide	Zonisamide Impurity A	73101-64-1
VL2030003	Zonisamide	Zonisamide Impurity C	68292-02-04
VL2030004	Zonisamide	Zonisamide N-Methyl Impurity	N/A
VL1330001	1-Amino Decane	1-Amino Decane	2016-57-1
VL2150001	2,4 Dichlorobenzoic Acid	2,4 Dichlorobenzoic Acid	50-84-0
VL2570001	2,6 Dimethyl Phenol	2,6 dimethyl phenol	576-26-1
VL2360001	2-Amino-5-Chloropyridine	2-Amino-5-Chloropyridine	1072-98-6
VL880001	2-Chloroacetyl Chloride	2-Chloroacetyl Chloride	79-04-9
VL2660001	3-Chloropropionyl Chloride	3-Chloropropionyl Chloride	625-36-5
VL175001	3-Hydroxybenzoic Acid	3-Hydroxybenzoic Acid / M-Salicyclic Acid	99-06-9
VL2820001	4 Hydroxcy Benzhydrazide	4 Hydroxcy Benzhydrazide	5351-23-5

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CATALOGUE NO.	PARENT DRUG	NAME OF IMPURITY	CAS NUMBER
VL410001	4,7-Dichloro Quinoline	4,7-Dichloro Quinoline / Amodiaquine Impurity 1	86-98-6
VL3790001	4-Chloro-Pentanoyl Chloride	4-Chloro-Pentanoyl Chloride	63480-12-6
VL3400001	4-METHOXY-O-PHENYLENEDIAMINE	4-methoxy-o-phenylenediamine	102-51-2
VL1340001	5-NITROFURFURAL	5-Nitro-2-Furaldehyde / 5-NITROFURFURAL	698-63-5
VL1340002	5-NITROFURFURAL	Nitrofurantoin Related Compound A / Furfurylhydantoic Acid	63981-22-6