



Services at MassChro

**Identification, Isolation and Characterization
of Unknown/Degradation Impurities of
API/DP/Peptides and Supply of Impurities
with Complete Characterization COA**



N-Nitroso-Desmethyl-Methylene Blue		
API Name: Methylene Blue	MassChro Product Code	CAS Number
	MCL-M4-001	NA
	Description at USP Monograph	Molecular Formula
Not Specified		$C_{13}H_{13}N_4O_5^+$
	Description at EP Monograph	Exact Mass
Not Specified		299.10 Da
	IUPAC Name / Other Name	
	5-(dimethylamino)-2-methyl-6-nitrosopyrimidin-4(1H)-one	



MASSCHRO LABORATORIES

No. 18/3, 9th Street, Mahatma Gandhi Road, TASS Industrial Estate, Ambattur, Chennai-600058, Tamil Nadu, India.

Contact: +91 8825633455 / +91 9176616868

e-mail: mohan.k@masschro.com; info@masschro.com; bd@masschro.com

Website: <https://masschro.com>

Certificate of Analysis

ISO 9001:2015 CERTIFIED

MassChro Laboratories MASSCHRO LABORATORIES
Channel - 400 000

CERTIFICATE OF ANALYSIS

PRODUCT: N-Nitroso Abacavir

BATCH No.: MCH020204/ANP/APP/0001

QTY: 250 mg

MFG DATE: Jul 2024

COMPONENT: In House

MR No.: AK0204-0203

DATE OF ANALYSIS: 07th Jul 2024

NCL ID No.: NCL-AN-001

TEST DATE: 07th Jul 2023

COA VERSION: 00

Molecular Formula: C₁₂H₁₄N₄O₃

Exact Mass: 312.3129

CAS No.: NA

Other Name: Abacavir Nitrosopyridine

IMP Name: N-Nitroso Abacavir

Chemical Structure:

MS/MS Spectrum:

S. No.	TESTS	SPECIFICATIONS	RESULTS
1	Description	For information only	White solid
2	Identification by IR & Mass Fragment Analysis	The signal of IR Mass Spectrum data at 318 (M+H) ⁺ confirms the molecular mass of N-Nitroso Abacavir as 312.31. The proposed MS/MS Fragmentation pathway confirms the structure of N-Nitroso Abacavir.	
3	Identification by ¹ H, ¹³ C, ¹⁵ N, ³¹ P, ¹⁹ F, ³⁵ Cl, ⁷⁷ Se, ¹²⁵ Te, ¹²⁹ Xe, ¹³³ Cs, ¹⁷⁵ Lu, ¹⁹⁷ Ir, ²⁰⁹ Bi, ²²³ Rn, ²²⁵ Ac, ²²⁷ Fr, ²³¹ Pa, ²³⁵ U, ²³⁸ U, ²⁴⁴ Pu, ²⁴⁷ Am, ²⁵¹ Cf, ²⁵² Cf, ²⁵⁴ Cf, ²⁵⁷ Cf, ²⁵⁹ Cf, ²⁶¹ Cf, ²⁶⁵ Cf, ²⁶⁷ Cf, ²⁷¹ Cf, ²⁷³ Cf, ²⁷⁵ Cf, ²⁷⁷ Cf, ²⁷⁹ Cf, ²⁸¹ Cf, ²⁸³ Cf, ²⁸⁵ Cf, ²⁸⁷ Cf, ²⁸⁹ Cf, ²⁹¹ Cf, ²⁹³ Cf, ²⁹⁵ Cf, ²⁹⁷ Cf, ²⁹⁹ Cf, ³⁰¹ Cf, ³⁰³ Cf, ³⁰⁵ Cf, ³⁰⁷ Cf, ³⁰⁹ Cf, ³¹¹ Cf, ³¹³ Cf, ³¹⁵ Cf, ³¹⁷ Cf, ³¹⁹ Cf, ³²¹ Cf, ³²³ Cf, ³²⁵ Cf, ³²⁷ Cf, ³²⁹ Cf, ³³¹ Cf, ³³³ Cf, ³³⁵ Cf, ³³⁷ Cf, ³³⁹ Cf, ³⁴¹ Cf, ³⁴³ Cf, ³⁴⁵ Cf, ³⁴⁷ Cf, ³⁴⁹ Cf, ³⁵¹ Cf, ³⁵³ Cf, ³⁵⁵ Cf, ³⁵⁷ Cf, ³⁵⁹ Cf, ³⁶¹ Cf, ³⁶³ Cf, ³⁶⁵ Cf, ³⁶⁷ Cf, ³⁶⁹ Cf, ³⁷¹ Cf, ³⁷³ Cf, ³⁷⁵ Cf, ³⁷⁷ Cf, ³⁷⁹ Cf, ³⁸¹ Cf, ³⁸³ Cf, ³⁸⁵ Cf, ³⁸⁷ Cf, ³⁸⁹ Cf, ³⁹¹ Cf, ³⁹³ Cf, ³⁹⁵ Cf, ³⁹⁷ Cf, ³⁹⁹ Cf, ⁴⁰¹ Cf, ⁴⁰³ Cf, ⁴⁰⁵ Cf, ⁴⁰⁷ Cf, ⁴⁰⁹ Cf, ⁴¹¹ Cf, ⁴¹³ Cf, ⁴¹⁵ Cf, ⁴¹⁷ Cf, ⁴¹⁹ Cf, ⁴²¹ Cf, ⁴²³ Cf, ⁴²⁵ Cf, ⁴²⁷ Cf, ⁴²⁹ Cf, ⁴³¹ Cf, ⁴³³ Cf, ⁴³⁵ Cf, ⁴³⁷ Cf, ⁴³⁹ Cf, ⁴⁴¹ Cf, ⁴⁴³ Cf, ⁴⁴⁵ Cf, ⁴⁴⁷ Cf, ⁴⁴⁹ Cf, ⁴⁵¹ Cf, ⁴⁵³ Cf, ⁴⁵⁵ Cf, ⁴⁵⁷ Cf, ⁴⁵⁹ Cf, ⁴⁶¹ 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S. No	Product Code	API Name	Impurity Name
1	MCL-A1-001	Acyclovir	Acyclovir Impurity L
2	MCL-A1-002	Acyclovir	Acyclovir Impurity A
3	MCL-A1-003	Acyclovir	Acyclovir Impurity J
4	MCL-A1-004	Acyclovir	Acyclovir Impurity K
5	MCL-A2-001	Atracurium	Cis-monoacrylate Atracurium
6	MCL-A2-002	Atracurium	Cis-Quaternary Alcohol
7	MCL-A2-003	Atracurium	Cis-Quaternary Acid
8	MCL-A2-004	Atracurium	Trans-Monoacrylate
9	MCL-A2-005	Atracurium	Trans Atracurium
10	MCL-A2-006	Atracurium	(R)-N-Methyl laudanosine
11	MCL-A2-007	Atracurium	(R)-Laudanosine
12	MCL-A2-008	Atracurium	Trans-Quaternary Alcohol
13	MCL-A2-009	Atracurium	Trans-Monoquaternary Compound
14	MCL-A2-010	Atracurium	Cis-Monoquaternary Compound
15	MCL-A3-001	Almotriptan Malate	Almotriptan Desmethyl Impurity (Free Base)
16	MCL-A3-002	Almotriptan Malate	N-Formyl Hydroxy Almotriptan
17	MCL-A3-003	Almotriptan Malate	Almotriptan Ethylamine (Free Base)
18	MCL-A3-004	Almotriptan Malate	Almotriptan N-Oxide
19	MCL-A4-001	Abacavir	N-Nitroso Abacavir
20	MCL-B1-001	Betamethasone	Betamethasone 21-Valerate
21	MCL-B2-001	Biapenem	Biapenem Dimer A
22	MCL-B2-002	Biapenem	Biapenem Dimer B
23	MCL-B2-003	Biapenem	Biapenem Impurity II
24	MCL-B2-004	Biapenem	Biapenem Impurity III
25	MCL-C1-001	Cinnarizine	Cinnarizine EP Impurity-E

S. No	Product Code	API Name	Impurity Name
26	MCL-C2-001	Carvedilol	Carvedilol Impurity B
27	MCL-C2-002	Carvedilol	Carvedilol Impurity C
28	MCL-C2-003	Carvedilol	Carvedilol Impurity E
29	MCL-C2-004	Carvedilol	Carvedilol Degradation Impurity
30	MCL-C3-001	Clopidogrel	Clopidogrel Related compound A
31	MCL-C3-002	Clopidogrel	Clopidogrel Related compound B
32	MCL-C3-003	Clopidogrel	Clopidogrel Related compound C
33	MCL-C3-004	Clopidogrel	Clopidogrel Related compound D
34	MCL-C4-001	Chloroquine	Desethyl Chloroquine
35	MCL-C4-002	Chloroquine	N-Chloromethyl Chloroquine
36	MCL-D1-001	Deutetrabenazine	Dehydro Deutetrabenazine
37	MCL-D1-002	Deutetrabenazine	Deutetrabenazine (S,R) Isomer
38	MCL-D2-001	Dexamethasone	Dexamethasone 21-Valerate
39	MCL-D2-002	Dexamethasone	Dexamethasone 21-oic Acid
40	MCL-D2-003	Dexamethasone	6 β -Hydroxydexamethasone
41	MCL-D2-004	Dexamethasone	17-Oxodexamethasone
42	MCL-D2-005	Dexamethasone	16,17-Unsaturated dexamethasone
43	MCL-E1-001	Enalapril Maleate	Enalapril Maleate Degradation Product I
44	MCL-E1-002	Enalapril Maleate	Enalapril Maleate EP Impurity C
45	MCL-E1-003	Enalapril Maleate	Enalapril Maleate EP Impurity B
46	MCL-E1-004	Enalapril Maleate	Enalapril Maleate Degradation Product IV
47	MCL-E1-005	Enalapril Maleate	Enalapril Maleate EP Impurity D
48	MCL-F1-001	Fluorapacin	Fluorapacin Related Substance A
49	MCL-G1-001	Glucagon	Glucagon DiLactose
50	MCL-G1-002	Glucagon	Glucagon Monolactose 1

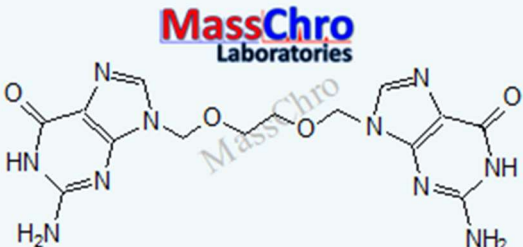
S. No	Product Code	API Name	Impurity Name
51	MCL-G1-003	Glucagon	Glucagon Monolactose 2
52	MCL-G2-001	Glimepiride	Glimepiride Related Compound E
53	MCL-G2-002	Glimepiride	Glimepiride Degradation Product III
54	MCL-G2-003	Glimepiride	Glimepiride Degradation Product IV
55	MCL-G2-004	Glimepiride	Glimepiride Degradation Product V
56	MCL-H1-001	Hydroxy Chloroquine	Desethyl Hydroxy Chloroquine
57	MCL-H1-002	Hydroxy Chloroquine	N-Chloromethyl Hydroxy Chloroquine
58	MCL-I1-001	Isavuconazonium Sulfate	Isavuconazonium Sulfate Degradation Product
59	MCL-L1-001	Levothyroxine	Liothyronine free base
60	MCL-L1-002	Levothyroxine	N-Acetyl Levothyroxine free base
61	MCL-L1-003	Levothyroxine	Levothyroxine T4 Ethylamine
62	MCL-L1-004	Levothyroxine	Levothyroxine Lactose Adduct
63	MCL-L2-001	Lacosamide	Lacosamide EP Impurity A
64	MCL-L2-002	Lacosamide	Lacosamide EP Impurity B
65	MCL-L2-003	Lacosamide	Lacosamide EP Impurity C
66	MCL-L2-004	Lacosamide	Lacosamide EP Impurity E
67	MCL-L2-005	Lacosamide	Lacosamide EP Impurity F
68	MCL-L2-006	Lacosamide	Lacosamide EP Impurity K
69	MCL-L3-001	Liothyronine	Liothyronine Lactose Adduct
70	MCL-L4-001	Lidocaine	Lidocaine Related Compound H
71	MCL-L4-002	Lidocaine	Lidocaine Related Compound A
72	MCL-L5-001	Levofloxacin	Levofloxacin Impurity B
73	MCL-L5-002	Levofloxacin	Levofloxacin Ethyl Ester
74	MCL-L5-003	Levofloxacin	Levofloxacin Desmethyl N-Nitroso Impurity
75	MCL-L5-004	Levofloxacin	Levofloxacin N-Oxide Impurity

S. No	Product Code	API Name	Impurity Name
76	MCL-M1-001	Methylprednisolone	Methylprednisolone Dimer
77	MCL-M1-002	Methylprednisolone	Methylprednisolone EP Impurity D
78	MCL-M2-001	Mebendazole	Mebendazole EP Impurity G
79	MCL-M3-001	Mitomycin	Albomitomycin C / Mitomycin EP Impurity D
80	MCL-M4-001	Methylene Blue	N-Nitroso-Desmethyl-Methylene Blue
81	MCL-M4-002	Methylene Blue	Desmethyl-Methylene Blue (Azure C)
82	MCL-M4-003	Methylene Blue	Methylene Blue Azure A
83	MCL-M4-004	Methylene Blue	Methylene Blue Azure B (BP Impurity A)
84	MCL-M4-005	Methylene Blue	Methylene Blue Thionine
85	MCL-M4-006	Methylene Blue	Hydroxy Methylene Blue
86	MCL-M4-007	Methylene Blue	Methylene Blue Azure C
87	MCL-M4-008	Methylene Blue	Methylene Blue Impurity D (Isomer of Azure A)
88	MCL-N1-001	Nebivolol	Nebivolol Lactose adduct
89	MCL-N2-001	Nicardipine	Nicardipine Impurity
90	MCL-N2-002	Nicardipine	Nicardipine Hydrochloride - Impurity A
91	MCL-N2-003	Nicardipine	N-Nitroso-DesBenzyl Nicardipine Pyridine Analogue
92	MCL-N2-004	Nicardipine	N-Nitroso-DesMethyl Nicardipine Pyridine Analogue
93	MCL-N3-001	Nimodipine	Nimodipine Nitroso Impurity
94	MCL-N3-002	Nimodipine	Nimodipine Acid/Base Degradation Impurity
95	MCL-N3-003	Nimodipine	Nimodipine Base Degradation Impurity
96	MCL-N3-004	Nimodipine	Nimodipine Methyl Ester Impurity
97	MCL-N4-001	N Nitroso Nilotinib	Nilotinib
98	MCL-O1-001	Octreotide	Glycolyl Threoninyl Octreotide
99	MCL-O1-002	Octreotide	Glycolyl Lysyl Octreotide
100	MCL-O1-003	Octreotide	Glycolyl Phenylalanyl Octreotide

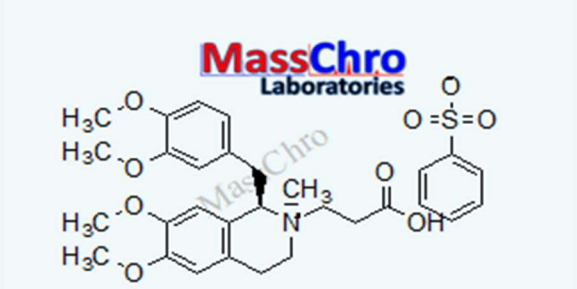
S. No	Product Code	API Name	Impurity Name
101	MCL-O1-004	Octreotide	Diglycolyl Threoninyl Octreotide
102	MCL-O2-001	Ondansetron	Ondansetron EP Impurity B
103	MCL-O3-001	Oxcarbazepine	N-Formyl Oxcarbazepine
104	MCL-O3-002	Oxcarbazepine	Oxcarbazepine Dimer
105	MCL-P1-001	Pentoxifylline	Pentoxifylline EP Impurity J
106	MCL-P2-001	Prednisone	Prednisone Dimer (M: 698 Da)
107	MCL-P4-001	Pridinol	Pridinol Dehydro Impurity
108	MCL-P4-002	Pridinol	Pridinol N-Oxide Impurity
109	MCL-S1-001	Selexipag	Selexipag N Oxide
110	MCL-S1-002	Selexipag	Ethyl 2-(4-((5,6-diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetate
111	MCL-S1-003	Selexipag	2-{4-[N-(5,6-Diphenylpyrazin-2-yl)-N-isopropylamino]butyloxy}acetic Acid tert-Butyl Ester
112	MCL-S1-004	Selexipag	2-(4-((5,6-Diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetic Acid
113	MCL-S1-005	Selexipag	4-((5,6-Diphenylpyrazin-2-yl)(isopropyl)amino)butan-1-ol
114	MCL-S2-001	Siponimod	Siponimod Open Ring Impurity
115	MCL-S2-002	Siponimod	Siponimod Hydroxy Impurity
116	MCL-S2-003	Siponimod	Siponimod Cholesterol Ester
117	MCL-T1-001	Thiabendazole	4-(N-phenylamidino)thiazole HCl
118	MCL-T1-002	Thiabendazole	N-phenylthiazole-4-carboxamide
119	MCL-T1-003	Thiabendazole	4-Chlorothiabendazole
120	MCL-T1-004	Thiabendazole	5-Chlorothiabendazole
121	MCL-T2-001	Tenatoprazole	Tenatoprazole Sulfone Impurity
122	MCL-V1-001	Valacyclovir	Valacyclovir EP Impurity N
123	MCL-V1-002	Valacyclovir	Valacyclovir EP Impurity P

Acyclovir Impurity L		
	API Name: Aciclovir / Acyclovir	MassChro Product Code
		CAS Number
		MCL-A1-001
		3056-33-5
		Description at USP Monograph
NA		Molecular Formula
		C ₉ H ₉ N ₅ O ₃
		Description at EP Monograph
		Molecular Mass
Acyclovir EP Impurity L		235.20 Da
		IUPAC Name / Other Name
Acyclovir Impurity-L N-(9-acetyl-6,9-dihydro-6-oxo-1H-purin-2-yl)acetamide		

Acyclovir Impurity K		
	API Name: Aciclovir / Acyclovir	MassChro Product Code
		CAS Number
		MCL-A1-002
		102728-64-3
		Description at USP Monograph
NA		Molecular Formula
		C ₁₀ H ₁₃ N ₅ O ₄
		Description at EP Monograph
		Molecular Mass
Acyclovir EP Impurity A		267.24 Da
		IUPAC Name / Other Name
Acyclovir acetate / Aciclovir acetate / 2-((2-amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy)ethyl acetate		

Acyclovir Impurity J		
	API Name: Aciclovir / Acyclovir	MassChro Product Code
		CAS Number
		MCL-A1-003
		166762-90-9
		Description at USP Monograph
NA		Molecular Formula
		C ₁₄ H ₁₆ N ₁₀ O ₄
		Description at EP Monograph
		Molecular Mass
Acyclovir EP Impurity J		388.14 Da
		IUPAC Name / Other Name
Acyclovir Impurity J / O-[(Guanin-9-yl)methyl] Acyclovir / 9,9'-[Ethane-1,2-diylbis(oxyethylene)]bis(2-amino-1,9-dihydro-6H-purin-6-one)		

Acyclovir Impurity K		
	API Name: Aciclovir / Acyclovir	MassChro Product Code
		CAS Number
		MCL-A1-004
		1797131-64-6
		Description at USP Monograph
NA		Molecular Formula
		C ₁₇ H ₂₂ N ₁₀ O ₆
		Description at EP Monograph
		Molecular Mass
Acyclovir EP Impurity K		462.17 Da
		IUPAC Name / Other Name
Acyclovir Impurity K / Acyclovir N-Methylene Dimer 2,2'-(Methylenediazanediyl)bis[9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one]		

Cis-monoacrylate Atracurium		
API Name: Cis Atracurium	MassChro Product Code	CAS Number
	MCL-A2-001	155913-31-8
	Description at USP Monograph	Molecular Formula
	NA	$C_{38}H_{49}NO_{11}S$
	Description at EP Monograph	Molecular Mass
	NA	727.30 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		
Cis-Quaternary Alcohol		
API Name: Cis Atracurium	MassChro Product Code	CAS Number
	MCL-A2-002	1100676-16-1
	Description at USP Monograph	Molecular Formula
	NA	$C_{35}H_{47}NO_{10}S$
	Description at EP Monograph	Molecular Mass
	NA	673.29 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		
Cis-Quaternary Acid		
API Name: Cis Atracurium	MassChro Product Code	CAS Number
	MCL-A2-003	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{30}H_{37}NO_9S$
	Description at EP Monograph	Molecular Mass
	NA	587.22 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		
Trans-Monoacrylate		
API Name: Cis Atracurium	MassChro Product Code	CAS Number
	MCL-A2-004	155913-32-9
	Description at USP Monograph	Molecular Formula
	NA	$C_{40}H_{55}NO_{11}S$
	Description at EP Monograph	Molecular Mass
	NA	757.35 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Trans Atracurium		
API Name: Cis Atracurium 	MassChro Product Code	CAS Number
	MCL-A2-005	96946-46-2
	Description at USP Monograph	Molecular Formula
	NA	$C_{65}H_{82}N_2O_{18}S_2$
	Description at EP Monograph	Molecular Mass
	NA	1242.50 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

(R)-N-Methyl laudanosine		
API Name: Cis Atracurium 	MassChro Product Code	CAS Number
	MCL-A2-006	2480467-84-1
	Description at USP Monograph	Molecular Formula
	NA	$C_{28}H_{35}NO_7S$
	Description at EP Monograph	Molecular Mass
	NA	673.29 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

(R)-Laudanosine		
API Name: Cis Atracurium 	MassChro Product Code	CAS Number
	MCL-A2-007	85-63-2
	Description at USP Monograph	Molecular Formula
	NA	$C_{21}H_{27}NO_4$
	Description at EP Monograph	Molecular Mass
	NA	357.19 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Trans-Quaternary Alcohol		
API Name: Cis Atracurium 	MassChro Product Code	CAS Number
	MCL-A2-008	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{35}H_{47}NO_{10}S$
	Description at EP Monograph	Molecular Mass
	NA	673.29 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Trans-Monoquaternary Compound		
API Name: Cis Atracurium	MassChro Product Code	CAS Number
	MCL-A2-009	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{58}H_{74}N_2O_{15}S$
	Description at EP Monograph	Molecular Mass
	NA	1070.48 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Cis-Monoquaternary Compound		
API Name: Cis Atracurium	MassChro Product Code	CAS Number
	MCL-A2-010	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{58}H_{74}N_2O_{15}S$
	Description at EP Monograph	Molecular Mass
	NA	1070.48 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Almotriptan Desmethyl Impurity (Free Base)		
API Name: Almotriptan Malate	MassChro Product Code	CAS Number
	MCL-A3-001	334981-12-3
	Description at USP Monograph	Molecular Formula
	NA	$C_{16}H_{23}N_3O_2S$
	Description at EP Monograph	Molecular Mass
	NA	321.15 Da
IUPAC Name / Other Name		
Methyl-{2-[5-(pyrrolidine-1-sulfonylmethyl)-1H-indol-3-yl]-ethyl}-amine		

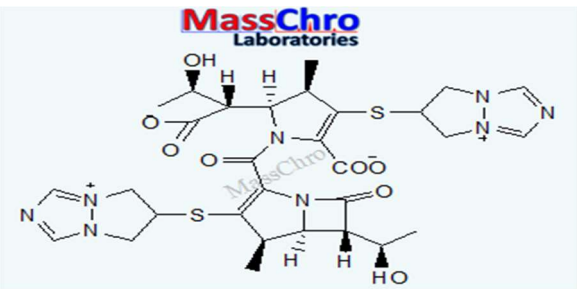
N-Formyl Hydroxy Almotriptan		
API Name: Almotriptan Malate	MassChro Product Code	CAS Number
	MCL-A3-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{18}H_{27}N_3O_3S$
	Description at EP Monograph	Molecular Mass
	NA	365.18 Da
IUPAC Name / Other Name		
[3-(2-Dimethylamino-ethyl)-5-(pyrrolidine-1-sulfonylmethyl)-indol-1-yl]-methanol		

Almotriptan Ethylamine (Free Base)		
API Name: Almotriptan Malate 	MassChro Product Code	CAS Number
	MCL-A3-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C₁₅H₂₁N₃O₂S
	Description at EP Monograph	Molecular Mass
	NA	307.14 Da
IUPAC Name / Other Name		2-[6-(Pyrrolidine-1-sulfonylmethyl)-1H-indol-3-yl]-ethylamine

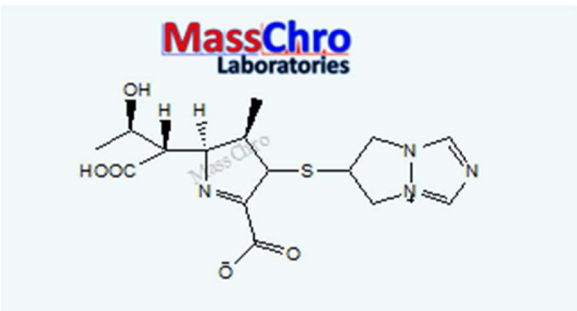
Almotriptan N-Oxide		
API Name: Almotriptan Malate 	MassChro Product Code	CAS Number
	MCL-A3-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C₁₇H₂₅N₃O₃S
	Description at EP Monograph	Molecular Mass
	NA	351.16 Da
IUPAC Name / Other Name		Almotriptan N-Oxide Impurity

N-Nitroso Abacavir		
API Name: Abacavir 	MassChro Product Code	CAS Number
	MCL-A4-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₁₄H₁₇N₇O₂
	Description at EP Monograph	Molecular Mass
	NA	315.14 Da
IUPAC Name / Other Name		Abacavir Nitroso impurity ((1S,4R)-4-(6-(N-cyclopropyl-N-nitrosoamino)-2-amino-9H-purin-9-yl)cyclopent-2-enyl)methanol

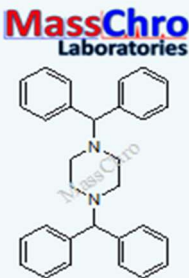
Betamethasone 21-Valerate		
API Name: Betamethasone 	MassChro Product Code	CAS Number
	MCL-B1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₂₇H₃₇FO₆
	Description at EP Monograph	Molecular Mass
	NA	476.26 Da
IUPAC Name / Other Name		Refer our website https://masschro.com

Biapenem Dimer A (MW 700)		
API Name: Biapenem 	MassChro Product Code	CAS Number
	MCL-B2-001	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{30}H_{36}N_8O_8S_2$
	Description at EP Monograph	Molecular Mass
	NA	700.21 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Biapenem Dimer B (MW 700)		
API Name: Biapenem 	MassChro Product Code	CAS Number
	MCL-B2-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{30}H_{36}N_8O_8S_2$
	Description at EP Monograph	Molecular Mass
	NA	700.21 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Biapenem Impurity II		
API Name: Biapenem 	MassChro Product Code	CAS Number
	MCL-B2-003	2524614-58-0
	Description at USP Monograph	Molecular Formula
	NA	$C_{15}H_{20}N_4O_5S$
	Description at EP Monograph	Molecular Mass
	NA	368.12 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

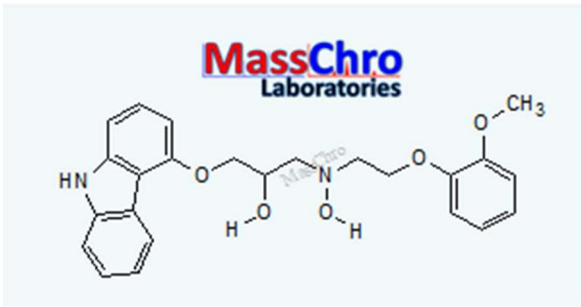
Biapenem Impurity III		
API Name: Biapenem 	MvassChro Product Code	CAS Number
	MCL-B2-004	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{17}H_{22}N_4O_6S$
	Description at EP Monograph	Molecular Mass
	NA	410.13 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Cinnarizine EP Impurity-E		
API Name: Cinnarizine 	MassChro Product Code	CAS Number
	MCL-C1-001	216581-01-0
	Description at USP Monograph	Molecular Formula
	NA	C ₃₀ H ₃₀ N ₂
	Description at EP Monograph	Molecular Mass
	NA	418.24 Da
IUPAC Name / Other Name		1,4-bis(diphenylmethyl)piperazine / 1,4-dibenzhydrylpiperazine

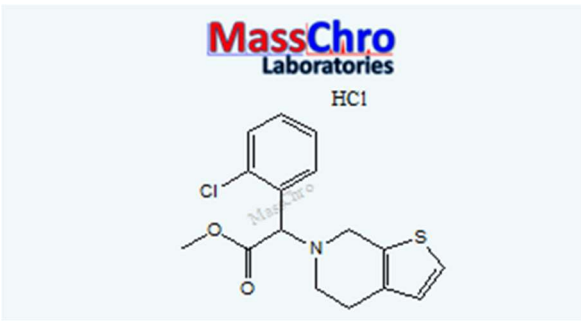
Carvedilol Impurity B		
API Name: Carvedilol 	MassChro Product Code	CAS Number
	MCL-C2-001	918903-20-5
	Description at USP Monograph	Molecular Formula
	Carvedilol Related Compound B	C ₃₉ H ₃₉ N ₃ O ₆
	Description at EP Monograph	Molecular Mass
	NA	645.28 Da
IUPAC Name / Other Name		Refer our website https://masschro.com

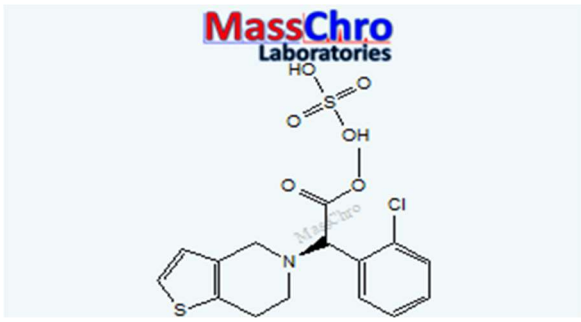
Carvedilol Impurity C		
API Name: Carvedilol 	MassChro Product Code	CAS Number
	MCL-C2-002	72955-94-3
	Description at USP Monograph	Molecular Formula
	Carvedilol Related Compound C	C ₃₁ H ₃₂ N ₂ O ₄
	Description at EP Monograph	Molecular Mass
	NA	496.24 Da
IUPAC Name / Other Name		Refer our website https://masschro.com

Carvedilol Impurity E		
API Name: Carvedilol 	MassChro Product Code	CAS Number
	MCL-C2-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₅ H ₁₅ N ₃
	Description at EP Monograph	Molecular Mass
	NA	257.11 Da
IUPAC Name / Other Name		3-(9H-Carbazol-4-yloxy)-propane-1,2-diol

Carvedilol Degradation Product		
API Name: Carvedilol	MassChro Product Code	CAS Number
	MCL-C2-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C₂₄H₂₆N₂O₅
	Description at EP Monograph	Molecular Mass
	NA	422.18 Da
	IUPAC Name / Other Name	
	1-(9H-Carbazol-4-yloxy)-3-{hydroxy-[2-(2-methoxy-phenoxy)-ethyl]-amino}-propan-2-ol	

Clopidogrel Related compound A		
API Name: Clopidogrel	MassChro Product Code	CAS Number
	MCL-C3-001	144750-42-5
	Description at USP Monograph	Molecular Formula
	Clopidogrel Related compound A	C₁₅H₁₅Cl₂NO₂S
	Description at EP Monograph	Molecular Mass
	NA	343.02 Da
	IUPAC Name / Other Name	
	(S)-2-(2-Chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)acetic acid hydrochloride	

Clopidogrel Related compound B		
API Name: Clopidogrel	MassChro Product Code	CAS Number
	MCL-C3-002	144750-52-7
	Description at USP Monograph	Molecular Formula
	Clopidogrel Related compound B	C₁₆H₁₇Cl₂NO₂S
	Description at EP Monograph	Molecular Mass
	NA	357.04 Da
	IUPAC Name / Other Name	
	Methyl 2-(2-chlorophenyl)-2-(4,5-dihydrothieno[2,3-c]pyridin-6(7H)-yl)acetate hydrochloride	

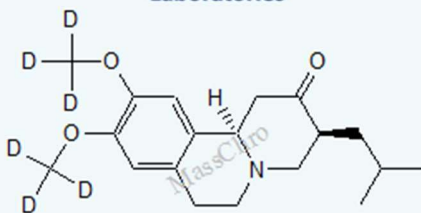
Clopidogrel Related compound C		
API Name: Clopidogrel	MassChro Product Code	CAS Number
	MCL-C3-003	120202-71-3
	Description at USP Monograph	Molecular Formula
	Clopidogrel Related compound C	C₁₆H₁₈ClNO₆S₂
	Description at EP Monograph	Molecular Mass
	NA	419.03 Da
	IUPAC Name / Other Name	
	(R)-Methyl 2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)acetate sulfate	

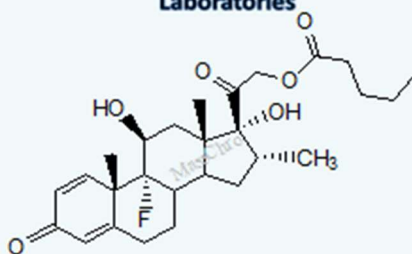
Clopidogrel Related compound D		
API Name: Clopidogrel	MassChro Product Code	CAS Number
	MCL-C3-004	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{16}H_{15}ClNO_2S^+$
	Description at EP Monograph	Molecular Mass
	NA	320.05 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

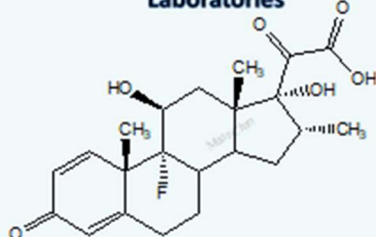
Desethyl Chloroquine		
API Name: Chloroquine	MassChro Product Code	CAS Number
	MCL-C4-001	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{16}H_{22}ClN_3$
	Description at EP Monograph	Molecular Mass
	NA	291.15 Da
IUPAC Name / Other Name		
N4-(7-Chloro-quinolin-4-yl)-N1-ethyl-pentane-1,4-diamine		

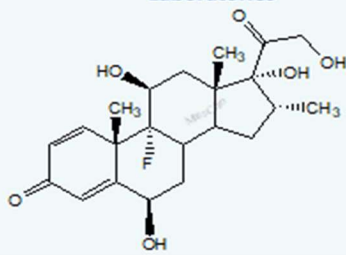
N-Chloromethyl Chloroquine		
API Name: Chloroquine	MassChro Product Code	CAS Number
	MCL-C4-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{19}H_{28}Cl_2N_3^+$
	Description at EP Monograph	Molecular Mass
	NA	368.17 Da
IUPAC Name / Other Name		
Chloromethyl-[4-(7-chloro-quinolin-4-ylamino)-pentyl]-diethyl-ammonium		

Dehydro Deutetrabenazine		
API Name: Deutetrabenazine	MassChro Product Code	CAS Number
	MCL-D1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{19}H_{19}D_6NO_3$
	Description at EP Monograph	Molecular Mass
	NA	321.22 Da
IUPAC Name / Other Name		
(3R)-9,10-bis[($^2H_3$)methoxy]-3-(2-methylpropyl)-3,4,6,7-tetrahydro-2H-pyrido[2,1-a][2]benzazin-2-one		

Deutetrabenazine (S,R) Isomer		
API Name: Deutetrabenazine 	MassChro Product Code	CAS Number
	MCL-D1-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₉ H ₂₁ D ₆ NO ₃
	Description at EP Monograph	Molecular Mass
	NA	323.24 Da
IUPAC Name / Other Name		
(3S,11bR)-3-(2-Methylpropyl)-9,10-bis(trideuteriomethoxy)-1,3,4,6,7,11b-hexahydrobenzo[<i>a</i>]quinolizin-2-one		

Dexamethasone 21-Valerate		
API Name: Dexamethasone 	MassChro Product Code	CAS Number
	MCL-D2-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₇ H ₃₇ FO ₆
	Description at EP Monograph	Molecular Mass
	NA	476.26 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

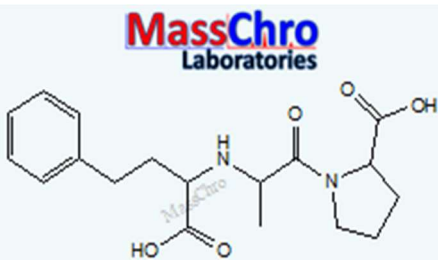
Dexamethasone 21-oic Acid		
API Name: Dexamethasone 	MassChro Product Code	CAS Number
	MCL-D2-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₂ H ₂₇ FO ₆
	Description at EP Monograph	Molecular Mass
	NA	406.18 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

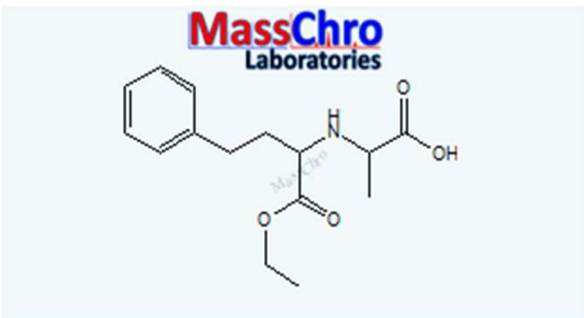
6β-Hydroxydexamethasone		
API Name: Dexamethasone 	MassChro Product Code	CAS Number
	MCL-D2-003	55879-47-5
	Description at USP Monograph	Molecular Formula
	NA	C ₂₂ H ₂₉ FO ₆
	Description at EP Monograph	Molecular Mass
	NA	408.19 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

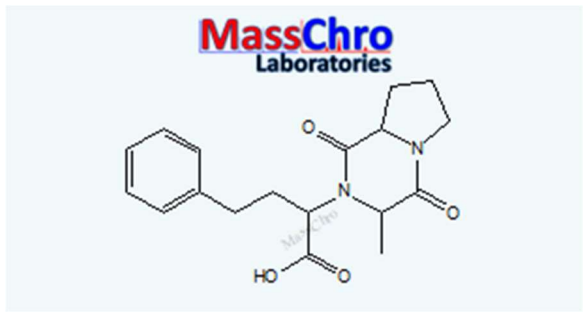
17-Oxodexamethasone		
API Name: Dexamethasone 	MassChro Product Code	CAS Number
	MCL-D2-004	1880-61-1
	Description at USP Monograph	Molecular Formula
	NA	C ₂₀ H ₂₅ FO ₃
	Description at EP Monograph	Molecular Mass
NA		332.18 Da
IUPAC Name / Other Name		9-Fluoro-11-hydroxy-10,13,16-trimethyl-7,8,9,10,11,12,13,14,15,16-decahydro-6H-cyclopenta[a]phenanthrene-3,17-dione;

16,17-Unsaturated dexamethasone		
API Name: Dexamethasone 	MassChro Product Code	CAS Number
	MCL-D2-005	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₂ H ₂₇ FO ₄
	Description at EP Monograph	Molecular Mass
NA		374.19 Da
IUPAC Name / Other Name		9-Fluoro-11-hydroxy-17-(2-hydroxy-acetyl)-10,13,16-trimethyl-6,7,8,9,10,11,12,13,14,15-decahydro-cyclopenta[a]phenanthren-3-one

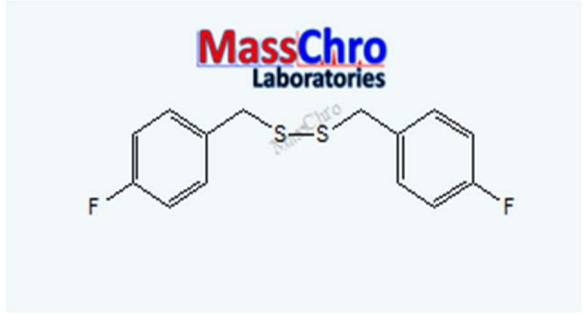
Enalapril Maleate Degradation Product I		
API Name: Enalapril Maleate 	MassChro Product Code	CAS Number
	MCL-E1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₃ H ₁₇ NO ₄
	Description at EP Monograph	Molecular Mass
NA		251.12 Da
IUPAC Name / Other Name		2-(1-Carboxy-ethylamino)-4-phenyl-butyric acid

Enalapril Maleate EP Impurity C		
API Name: Enalapril Maleate 	MassChro Product Code	CAS Number
	MCL-E1-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₈ H ₂₄ N ₂ O ₅
	Description at EP Monograph	Molecular Mass
EP Impurity C		348.17 Da
IUPAC Name / Other Name		Enalapril Maleate Degradation Product II / Enalaprilat 1-[2-(1-Carboxy-3-phenyl-propylamino)-propionyl]-pyrrolidine-2-carboxylic acid

Enalapril Maleate EP Impurity B		
API Name: Enalapril Maleate	MassChro Product Code	CAS Number
	MCL-E1-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₀ H ₂₅ FO ₃
	Description at EP Monograph	Molecular Mass
	EP Impurity B	279.15 Da
IUPAC Name / Other Name		
Enalapril Maleate Degradation Product III 2-(1-Carboxy-ethylamino)-4-phenyl-butyric acid ethyl ester		

Enalapril Maleate Degradation Product IV		
API Name: Enalapril Maleate	MassChro Product Code	CAS Number
	MCL-E1-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₈ H ₂₂ N ₂ O ₄
	Description at EP Monograph	Molecular Mass
	NA	330.16 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

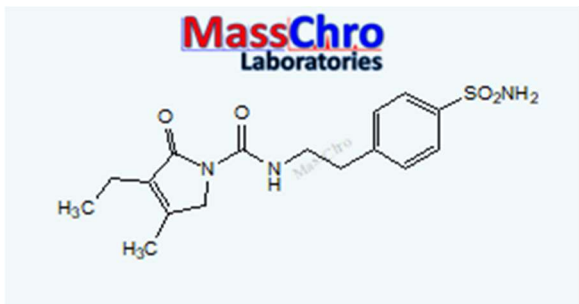
Enalapril Maleate EP Impurity D		
API Name: Enalapril Maleate	MassChro Product Code	CAS Number
	MCL-E1-005	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₀ H ₂₆ N ₂ O ₄
	Description at EP Monograph	Molecular Mass
	EP Impurity D	358.19 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

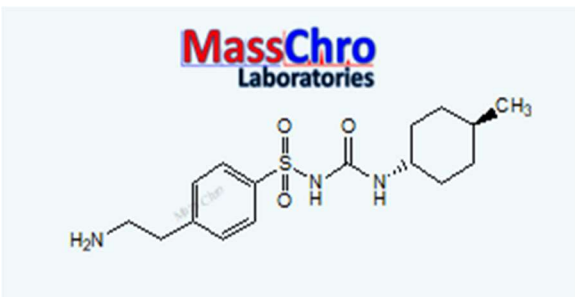
Fluorapacin Related Substance A		
API Name: Fluorapacin	MassChro Product Code	CAS Number
	MCL-F1-001	NA
	Description at USP Monograph	Molecular Formula
	Fluorapacin Related Compound A	C ₁₄ H ₁₂ F ₂ S ₂
	Description at EP Monograph	Molecular Mass
	NA	282.03 Da
IUPAC Name / Other Name		
bis(4-fluorobenzyl) disulfide		

Glucagon DiLactose		
API Name: Glucagon 	MassChro Product Code	CAS Number
	MCL-G1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{177}H_{265}N_{43}O_{69}S$
	Description at EP Monograph	Molecular Mass
Glucagon DiLactose		4128.83 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Glucagon Monolactose 1		
API Name: Glucagon 	MassChro Product Code	CAS Number
	MCL-G1-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{165}H_{245}N_{43}O_{59}S$
	Description at EP Monograph	Molecular Mass
Glucagon Monolactose		3804.72 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

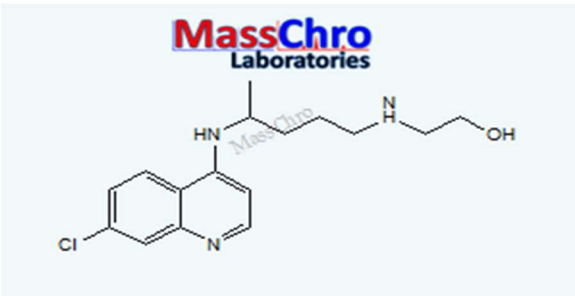
Glucagon Monolactose 2		
API Name: Glucagon 	MassChro Product Code	CAS Number
	MCL-G1-003	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{165}H_{245}N_{43}O_{59}S$
	Description at EP Monograph	Molecular Mass
Glucagon Monolactose		3804.72 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

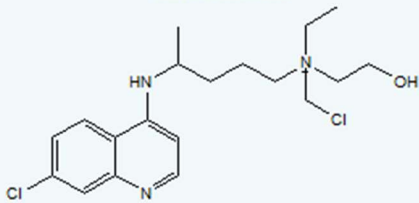
Glimepiride Related Compound E		
API Name: Glimepiride 	MassChro Product Code	CAS Number
	MCL-G2-001	2366968-77-4
	Description at USP Monograph	Molecular Formula
	Glimepiride Related Compound E	$C_{16}H_{21}N_3O_4S$
	Description at EP Monograph	Molecular Mass
NA		351.13 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

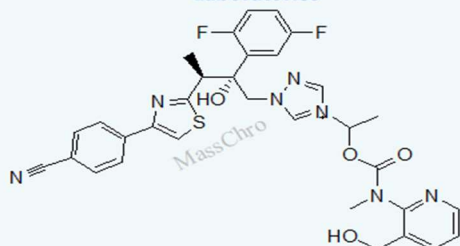
Glimepiride Degradation Product III		
API Name: Glimepiride	MassChro Product Code	CAS Number
	MCL-G2-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{16}H_{25}N_3O_3S$
	Description at EP Monograph	Molecular Mass
	NA	339.16 Da
IUPAC Name / Other Name		
N-[(4-(2-aminoethyl)phenyl)sulfonyl]-N'-(4-methylcyclohexyl)urea		

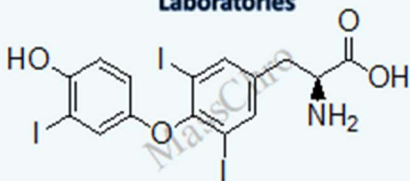
Glimepiride Degradation Product IV		
API Name: Glimepiride	MassChro Product Code	CAS Number
	MCL-G2-003	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{17}H_{26}N_4O_4S$
	Description at EP Monograph	Molecular Mass
	NA	382.17 Da
IUPAC Name / Other Name		
N-[2-(4-sulfonylphenyl)ethyl]urea		

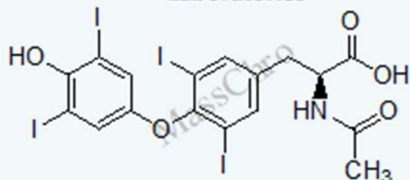
Glimepiride Degradation Product V		
API Name: Glimepiride	MassChro Product Code	CAS Number
	MCL-G2-004	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{18}H_{23}N_3O_6S$
	Description at EP Monograph	Molecular Mass
	NA	409.13 Da
IUPAC Name / Other Name		
methyl {[4-(2-[[[3-ethyl-4-methyl-2-oxo-2,5-dihydro-1H-pyrrol-1-yl]carbonyl]amino]ethyl)phenyl]sulfonyl}carbamate		

Desethyl Hydroxy Chloroquine		
API Name: Hydroxy Chloroquine	MassChro Product Code	CAS Number
	MCL-H1-001	4298-15-1
	Description at USP Monograph	Molecular Formula
	NA	$C_{16}H_{21}N_3O_4S$
	Description at EP Monograph	Molecular Mass
	NA	307.15 Da
IUPAC Name / Other Name		
2-[4-(7-chloroquinolin-4-ylamino)-pentylamino]-ethanol		

N-Chloromethyl Hydroxy Chloroquine		
MassChro Laboratories 	API Name: Hydroxy Chloroquine	MassChro Product Code
		CAS Number
		MCL-H1-002
		NA
		NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{19}H_{28}Cl_2N_3O^+$
	Description at EP Monograph	Molecular Mass
	NA	384.16 Da
	IUPAC Name / Other Name	
	Chloromethyl-[4-(7-chloro-quinolin-4-ylamino)-pentyl]-ethyl-(2-hydroxy-ethyl)-ammonium	

Isavuconazonium Sulfate Degradation Product		
MassChro Laboratories 	API Name: Isavuconazonium Sulfate	MassChro Product Code
		CAS Number
		MCL-I1-001
		NA
		NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{32}H_{30}F_2N_2O_4S^+$
	Description at EP Monograph	Molecular Mass
	NA	646.20 Da
	IUPAC Name / Other Name	
	Refer our website https://masschro.com	

Liothyronine free base		
MassChro Laboratories 	API Name: Levothyroxine	MassChro Product Code
		CAS Number
		MCL-L1-001
		6893-02-3(free base)
		NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{15}H_{12}I_3NO_4$
	Description at EP Monograph	Molecular Mass
	NA	650.79 Da
	IUPAC Name / Other Name	
	(2S)-2-amino-3-(4-(4-hydroxy-3-iodophenoxy)-3,5-diiodophenyl)propanoic acid	

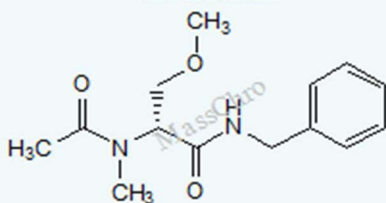
N-Acetyl Levothyroxine free base		
MassChro Laboratories 	API Name: Levothyroxine	MassChro Product Code
		CAS Number
		MCL-L1-002
		26041-51-0(free base)
		NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{17}H_{13}I_4NO_5$
	Description at EP Monograph	Molecular Mass
	NA	818.70 Da
	IUPAC Name / Other Name	
	(2S)-2-(acetylamino)-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)propanoic acid	

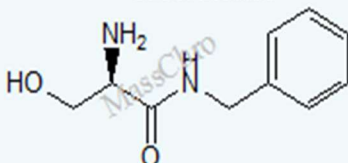
Levothyroxine T4 Ethylamine		
API Name: Levothyroxine	MassChro Product Code	CAS Number
	MCL-L1-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C₁₄H₁₁I₄NO₂
	Description at EP Monograph	Molecular Mass
NA		732.70 Da
IUPAC Name / Other Name		4-(4-(2-aminoethyl)-2,6-diiodophenoxy)-2,6-diiodophenol

Levothyroxine Lactose Adduct		
API Name: Levothyroxine	MassChro Product Code	CAS Number
	MCL-L1-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C₂₇H₃₁I₄NO₁₄
	Description at EP Monograph	Molecular Mass
NA		1100.79 Da
IUPAC Name / Other Name		Refer our website https://masschro.com

Lacosamide EP Impurity A		
API Name: Lacosamide	MassChro Product Code	CAS Number
	MCL-L2-001	175481-37-5
	Description at USP Monograph	Molecular Formula
	NA	C₁₃H₁₈N₂O₃
	Description at EP Monograph	Molecular Mass
Lacosamide EP Impurity A		250.13 Da
IUPAC Name / Other Name		(Lacosamide (S) isomer (S)-2-acetamido-N-benzyl-3-methoxypropanamide

Lacosamide EP Impurity B		
API Name: Lacosamide	MassChro Product Code	CAS Number
	MCL-L2-002	1318777-54-6
	Description at USP Monograph	Molecular Formula
	NA	C₁₄H₁₈N₂O₄
	Description at EP Monograph	Molecular Mass
Lacosamide EP Impurity B		278.13 Da
IUPAC Name / Other Name		Lacosamide EP Impurity B (R-isomer) (R)-2-(benzylcarbamoyl)-2-acetamidoethyl acetate

Lacosamide EP Impurity C		
API Name: Lacosamide 	MassChro Product Code	CAS Number
	MCL-L2-003	2742962-60-1
	Description at USP Monograph	Molecular Formula
	NA	C ₁₄ H ₂₀ N ₂ O ₃
	Description at EP Monograph	Molecular Mass
	Lacosamide EP Impurity C	264.15 Da
IUPAC Name / Other Name		
Lacosamide EP Impurity C (R-isomer) (R)-2-(N-methylacetamido)-N-benzyl-3-methoxypropanamide		

Lacosamide EP Impurity E		
API Name: Lacosamide 	MassChro Product Code	CAS Number
	MCL-L2-004	175481-39-7
	Description at USP Monograph	Molecular Formula
	NA	C ₁₀ H ₁₄ N ₂ O ₂
	Description at EP Monograph	Molecular Mass
	Lacosamide EP Impurity E	194.11 Da
	IUPAC Name / Other Name	
Lacosamide EP Impurity E (R-isomer) (R)-2-amino-N-benzyl-3-hydroxypropanamide		

Lacosamide EP Impurity F		
API Name: Lacosamide 	MassChro Product Code	CAS Number
	MCL-L2-005	175481-38-6
	Description at USP Monograph	Molecular Formula
	NA	C ₁₂ H ₁₆ N ₂ O ₃
	Description at EP Monograph	Molecular Mass
Lacosamide EP Impurity F	236.12 Da	
IUPAC Name / Other Name		
Lacosamide EP Impurity F (R-isomer) (R)-2-acetamido-N-benzyl-3-hydroxypropanamide		

Lacosamide EP Impurity K		
API Name: Lacosamide 	MassChro Product Code	CAS Number
	MCL-L2-006	86921-49-5
	Description at USP Monograph	Molecular Formula
	NA	C ₁₂ H ₁₄ N ₂ O ₂
	Description at EP Monograph	Molecular Mass
	Lacosamide EP Impurity K	218.11 Da
IUPAC Name / Other Name		
Lacosamide EP Impurity K 2-acetamido-N-benzylacrylamide		

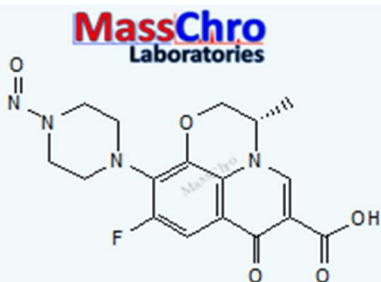
Liothyronine Lactose Adduct		
API Name: Liothyronine	MassChro Product Code	CAS Number
	MCL-L3-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₂₇H₃₂I₃NO₁₄
	Description at EP Monograph	Molecular Mass
	NA	974.90 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

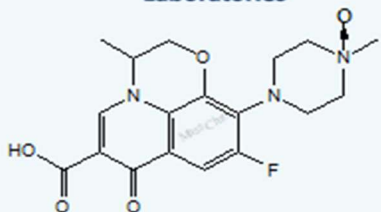
Lidocaine Related Compound H		
API Name: Lidocaine	MassChro Product Code	CAS Number
	MCL-L4-001	1131-01-7
	Description at USP Monograph	Molecular Formula
	Lidocaine Related Compound H	C₁₀H₁₂ClNO
	Description at EP Monograph	Molecular Mass
	Lidocaine EP Impurity H	197.06 Da
IUPAC Name / Other Name		
2-Chloro-N-(2,6-dimethyl-phenyl)-acetamide		

Lidocaine Related Compound A		
API Name: Lidocaine	MassChro Product Code	CAS Number
	MCL-L4-002	87-62-7
	Description at USP Monograph	Molecular Formula
	Lidocaine Related Compound A	C₁₂H₁₆N₂O₃
	Description at EP Monograph	Molecular Mass
	Lidocaine EP Impurity A	236.12 Da
IUPAC Name / Other Name		
(2,6-Dimethylaniline)		

Levofloxacin – Impurity B		
API Name: Levofloxacin	MassChro Product Code	CAS Number
	MCL-L5-001	117707-40-1
	Description at USP Monograph	Molecular Formula
	NA	C₁₇H₁₈FN₃O₄
	Description at EP Monograph	Molecular Mass
	NA	347.13 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

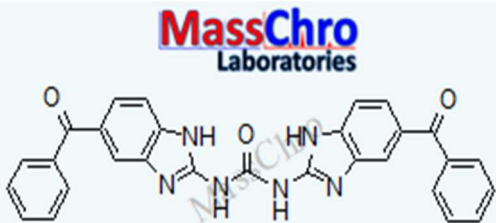
Levofloxacin Ethyl Ester		
API Name: Levofloxacin 	MassChro Product Code	CAS Number
	MCL-L5-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{20}H_{24}FN_3O_4$
	Description at EP Monograph	Molecular Mass
	NA	389.18 Da
IUPAC Name / Other Name		
8-Fluoro-3-methyl-9-(4-methyl-piperazin-1-yl)-6-oxo-2,3-dihydro-6H-1-oxa-3a-aza-phenalene-5-carboxylic acid ethyl ester		

Levofloxacin Desmethyl N-Nitroso Impurity		
API Name: Levofloxacin 	MassChro Product Code	CAS Number
	MCL-L5-003	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{17}H_{17}FN_4O_5$
	Description at EP Monograph	Molecular Mass
	NA	376.12 Da
IUPAC Name / Other Name		
8-Fluoro-3-methyl-9-(4-nitroso-piperazin-1-yl)-6-oxo-2,3-dihydro-6H-1-oxa-3a-aza-phenalene-5-carboxylic acid		

Levofloxacin N-Oxide Impurity		
API Name: Levofloxacin 	MassChro Product Code	CAS Number
	MCL-L5-004	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{18}H_{20}FN_3O_5$
	Description at EP Monograph	Molecular Mass
	NA	377.14 Da
IUPAC Name / Other Name		
9-fluoro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-2,3-dihydro-7H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid hydrate (1:1)		

Methylprednisolone Dimer		
API Name: Methylprednisolone 	MassChro Product Code	CAS Number
	MCL-M1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{44}H_{58}O_9$
	Description at EP Monograph	Molecular Mass
	NA	730.41 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

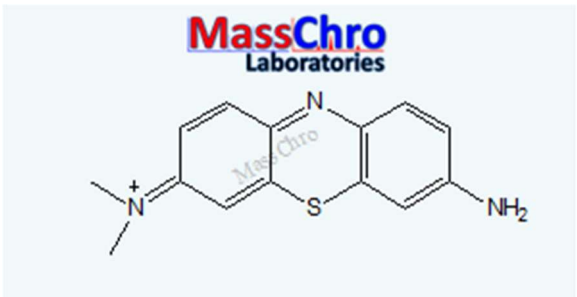
Methylprednisolone EP Impurity D		
API Name: Methylprednisolone 	MassChro Product Code	CAS Number
	MCL-M1-002	1338549-02-2
	Description at USP Monograph	Molecular Formula
	Methylprednisolone Related Compound D	C ₂₀ H ₂₄ FN ₃ O ₄
	Description at EP Monograph	Molecular Mass
	Methylprednisolone EP Impurity D	356.20 Da
	IUPAC Name / Other Name (2Z)-2-(7,8,9,11,12,13,15,16-octahydro-11-hydroxy-6,10,13-trimethyl-3-oxo-3H-cyclopenta[a]phenanthren-17(6H,10H,14H)-ylidene)-2-hydroxyacetaldehyde	

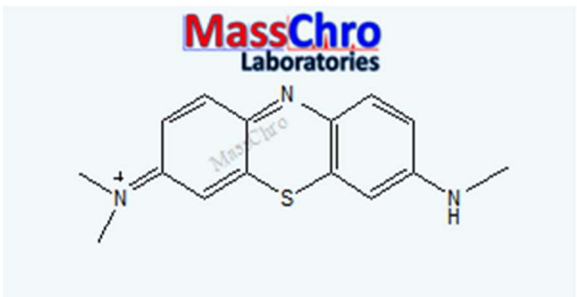
Mebendazole EP Impurity G		
API Name: Mebendazole 	MassChro Product Code	CAS Number
	MCL-M2-001	129165-82-8
	Description at USP Monograph	Molecular Formula
	Mebendazole Dimer	C ₂₉ H ₂₀ N ₆ O ₃
	Description at EP Monograph	Molecular Mass
	Mebendazole EP Impurity G	500.16 Da
	IUPAC Name / Other Name Mebendazole Dimer / N,-bis(5-benzoyl-1H-benzimidazol-2-yl)carbamic amide	

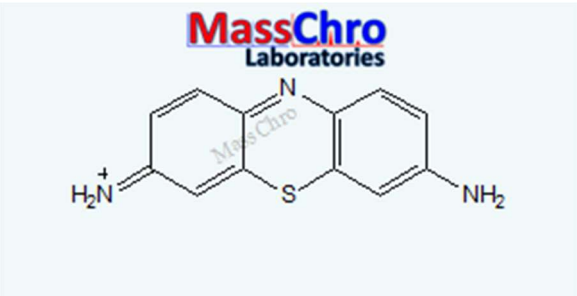
Albomitomycin C		
API Name: Mitomycin 	MassChro Product Code	CAS Number
	MCL-M3-001	111750-67-5
	Description at USP Monograph	Molecular Formula
	NA	C ₁₅ H ₁₈ N ₄ O ₅
	Description at EP Monograph	Molecular Mass
	Mitomycin EP Impurity D	334.13 Da
	IUPAC Name / Other Name Refer our website https://masschro.com	

N-Nitroso-Desmethyl-Methylene Blue		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₅ H ₁₅ N ₄ OS ⁺
	Description at EP Monograph	Molecular Mass
	NA	299.10 Da
	IUPAC Name / Other Name 3-(dimethylamino)-7-[methyl(nitroso)amino]phenothiazin-5-ium	

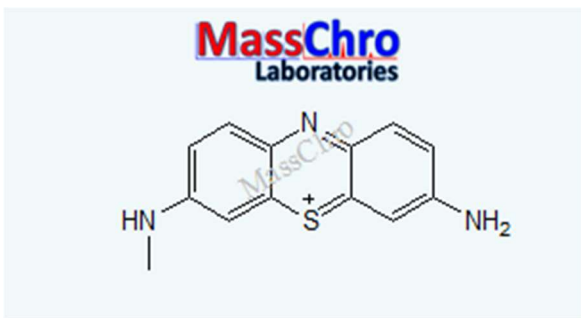
Desmethyl-Methylene Blue		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-002	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{15}H_{16}N_3S^+$
	Description at EP Monograph	Molecular Mass
NA		270.11 Da
IUPAC Name / Other Name		3-(dimethylamino)-7-(methylamino)phenothiazin-5-ium

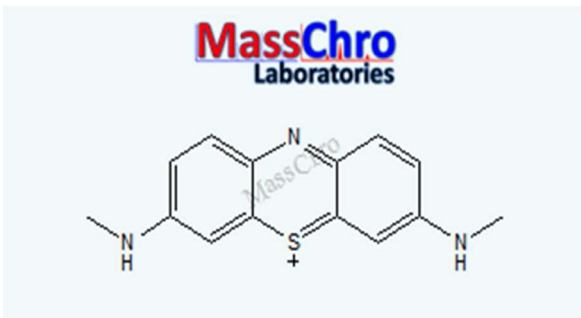
Methylene Blue Azure A		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-003	531-53-3
	Description at USP Monograph	Molecular Formula
	NA	$C_{14}H_{14}N_3S^+$
	Description at EP Monograph	Molecular Mass
NA		256.09 Da
IUPAC Name / Other Name		(7-Amino-phenothiazin-3-ylidene)-dimethyl-ammonium

Methylene Blue Azure B (BP Impurity A)		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-004	531-55-5
	Description at USP Monograph	Molecular Formula
	NA	$C_{15}H_{16}N_3S^+$
	Description at EP Monograph	Molecular Mass
NA		270.11 Da
IUPAC Name / Other Name		Dimethyl-(7-methylamino-phenothiazin-3-ylidene)-ammonium

Methylene Blue Thionine		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-005	26754-93-8
	Description at USP Monograph	Molecular Formula
	NA	$C_{12}H_{10}N_3S^+$
	Description at EP Monograph	Molecular Mass
NA		228.06 Da
IUPAC Name / Other Name		7-Amino-phenothiazin-3-ylidene-ammonium

Hydroxy Methylene Blue		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-006	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₄ H ₁₃ N ₂ OS ⁺
	Description at EP Monograph	Molecular Mass
	NA	257.07 Da
IUPAC Name / Other Name		3-Dimethylamino-7-hydroxy-phenothiazin-5-ylum

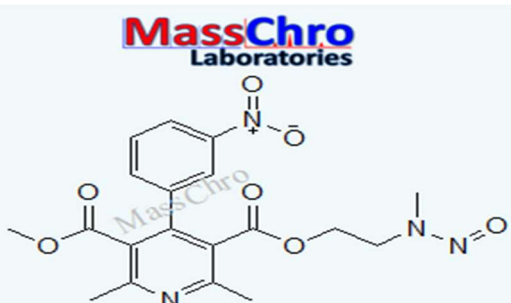
Methylene Blue Azure C		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-007	531-57-7
	Description at USP Monograph	Molecular Formula
	NA	C ₁₃ H ₁₂ N ₃ S ⁺
	Description at EP Monograph	Molecular Mass
	NA	242.07 Da
IUPAC Name / Other Name		3-Amino-7-methylamino-phenothiazin-5-ylum

Methylene Blue Imp-D (Isomer of Azure A)		
API Name: Methylene Blue 	MassChro Product Code	CAS Number
	MCL-M4-008	34185-21-2
	Description at USP Monograph	Molecular Formula
	NA	C ₁₄ H ₁₄ N ₃ S ⁺
	Description at EP Monograph	Molecular Mass
	NA	256.09 Da
IUPAC Name / Other Name		3,7-Bis-methylamino-phenothiazin-5-ylum

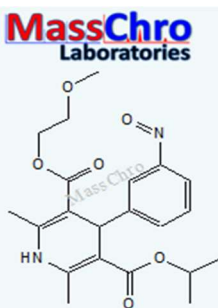
Nebivolol Lactose adduct		
API Name: Nebivolol 	MassChro Product Code	CAS Number
	MCL-N1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₃₄ H ₄₇ F ₂ NO ₁₄
	Description at EP Monograph	Molecular Mass
	NA	731.30 Da
IUPAC Name / Other Name		Refer our website https://masschro.com

Nicardipine Impurity		
API Name: Nicardipine 	MassChro Product Code	CAS Number
	MCL-N2-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₅ H ₁₇ NO ₆
	Description at EP Monograph	Molecular Mass
	NA	307.11 Da
IUPAC Name / Other Name		
Nicardipine Impurity Methyl 2-acetyl-3-(3-nitrophenyl)-5-oxohexanoate		

Nicardipine Hydrochloride - Impurity A		
API Name: Nicardipine 	MassChro Product Code	CAS Number
	MCL-N2-002	59875-58-0
	Description at USP Monograph	Molecular Formula
	Nicardipine Related Compound B	C ₂₆ H ₂₇ N ₃ O ₆
	Description at EP Monograph	Molecular Mass
	NA	477.19 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

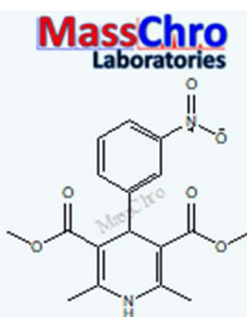
N-Nitroso-DesBenzyl Nicardipine Pyridine Analogue		
API Name: Nicardipine 	MassChro Product Code	CAS Number
	MCL-N2-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₉ H ₂₀ N ₄ O ₇
	Description at EP Monograph	Molecular Mass
	NA	416.13 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

N-Nitroso-DesMethyl Nicardipine Pyridine Analogue		
API Name: Nicardipine 	MassChro Product Code	CAS Number
	MCL-N2-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₅ H ₂₄ N ₄ O ₇
	Description at EP Monograph	Molecular Mass
	NA	492.16 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Nimodipine Nitroso Impurity		
API Name: Nimodipine	MassChro Product Code	CAS Number
	MCL-N3-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₁ H ₂₆ N ₂ O ₆
	Description at EP Monograph	Molecular Mass
	NA	402.18 Da
IUPAC Name / Other Name		
2,6-Dimethyl-4-(3-nitroso-phenyl)-1,4-dihydro-pyridine-3,5-dicarboxylic acid 3-isopropyl ester 5-(2-methoxy-ethyl) ester		

Nimodipine Acid/Base Degradation Impurity		
API Name: Nimodipine	MassChro Product Code	CAS Number
	MCL-N3-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₅ H ₁₄ N ₂ O ₆
	Description at EP Monograph	Molecular Mass
	NA	318.09 Da
IUPAC Name / Other Name		
2,6-Dimethyl-4-(3-nitro-phenyl)-1,4-dihydro-pyridine-3,5-dicarboxylic acid		

Nimodipine Base Degradation Impurity		
API Name: Nimodipine	MassChro Product Code	CAS Number
	MCL-N3-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₈ H ₂₀ N ₂ O ₆
	Description at EP Monograph	Molecular Mass
	NA	360.13 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Nimodipine Methyl Ester Impurity		
API Name: Nimodipine	MassChro Product Code	CAS Number
	MCL-N3-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₇ H ₁₈ N ₂ O ₆
	Description at EP Monograph	Molecular Mass
	NA	346.12 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

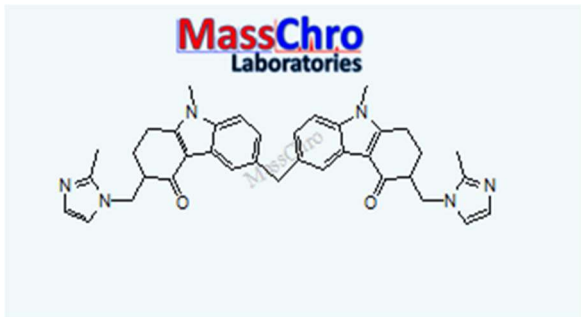
N-Nitroso Nilotinib		
API Name: Nilotinib	MassChro Product Code	CAS Number
	MCL-N4-001	2925306-68-7
	Description at USP Monograph	Molecular Formula
	NA	C₂₈H₂₁F₃N₈O₂
	Description at EP Monograph	Molecular Mass
NA		558.17 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Glycolyl Threoninyl Octreotide		
API Name: Octreotide	MassChro Product Code	CAS Number
	MCL-O1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₅₁H₆₈N₁₀O₁₂S₂
	Description at EP Monograph	Molecular Mass
NA		1076.45 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Glycolyl Lysyl Octreotide		
API Name: Octreotide	MassChro Product Code	CAS Number
	MCL-O1-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C₅₁H₆₈N₁₀O₁₂S₂
	Description at EP Monograph	Molecular Mass
NA		1076.45 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Glycolyl Phenylalanyl Octreotide		
API Name: Octreotide	MassChro Product Code	CAS Number
	MCL-O1-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C₅₁H₆₈N₁₀O₁₂S₂
	Description at EP Monograph	Molecular Mass
NA		1076.45 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

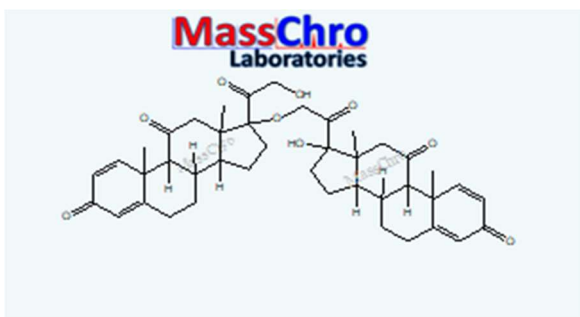
Diglycolyl Threoninyl Octreotide		
API Name: Octreotide	MassChro Product Code	CAS Number
	MCL-O1-004	NA
	Description at USP Monograph	Molecular Formula
	NA	C₅₃H₇₀N₁₀O₁₄S₂
	Description at EP Monograph	Molecular Mass
	NA	1134.45 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Ondansetron EP Impurity B		
API Name: Ondansetron	MassChro Product Code	CAS Number
	MCL-O2-001	1076198-52-1
	Description at USP Monograph	Molecular Formula
	Ondansetron Dimer	C₃₇H₃₈N₆O₂
	Description at EP Monograph	Molecular Mass
	Ondansetron EP Impurity B	598.31 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

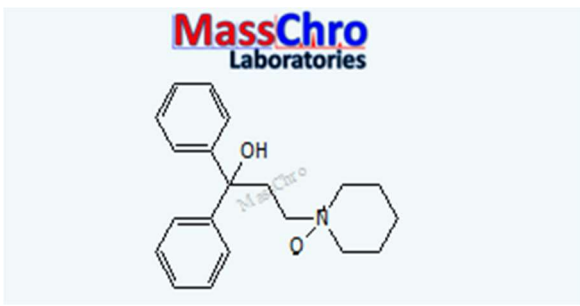
N-Formyl Oxcarbazepine		
API Name: Oxcarbazepine	MassChro Product Code	CAS Number
	MCL-O3-001	1346601-76-0
	Description at USP Monograph	Molecular Formula
	Oxcarbazepine Related Compound A	C₁₆H₁₂N₂O₃
	Description at EP Monograph	Molecular Mass
	Oxcarbazepine EP Impurity K	280.08 Da
IUPAC Name / Other Name		
<i>N</i> -formyl-10-oxo-10,11-dihydro-5 <i>H</i> -dibenzo[<i>b,f</i>]azepine-5-carboxamide		

Oxcarbazepine Dimer		
API Name: Oxcarbazepine	MassChro Product Code	CAS Number
	MCL-O3-002	2642430-32-6
	Description at USP Monograph	Molecular Formula
	Oxcarbazepine Related Compound D	C₅₁H₆₈N₁₀O₁₂S₂
	Description at EP Monograph	Molecular Mass
	Oxcarbazepine EP Impurity M	486.17 Da
IUPAC Name / Other Name		
10-(10-Oxo-10,11-Dihydro-5 <i>H</i> -dibenzo[<i>b,f</i>]azepine-5-carboxamido)-5 <i>H</i> -dibenzo[<i>b,f</i>]azepine-5-carboxamide;		

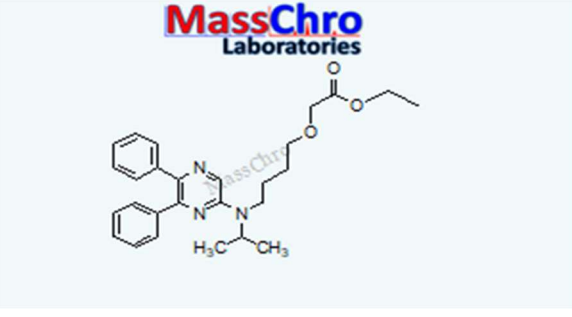
Pentoxifylline EP Impurity J		
API Name: Pentoxifylline	MassChro Product Code	CAS Number
	MCL-P1-001	874747-30-5
	Description at USP Monograph	Molecular Formula
	NA	C₂₆H₃₄N₈O₅
	Description at EP Monograph	Molecular Mass
	Pentoxifylline EP Impurity J	538.27 Da
IUPAC Name / Other Name		
1-[(5E)-11-(3,7-dimethyl-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-1-yl)-5-methyl-7-oxoundec-5-enyl]-3,7-dimethyl-3,7-dihydro-1H-purine-2,6-dione		

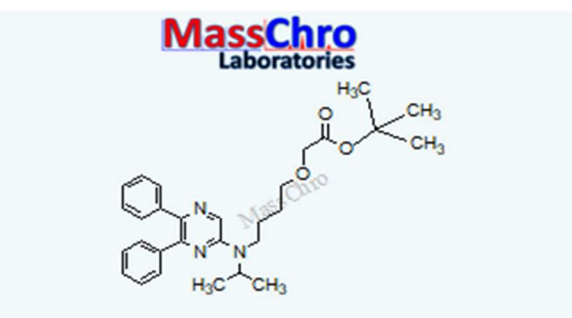
Prednisone Dimer (M: 698 Da)		
API Name: Prednisone	MassChro Product Code	CAS Number
	MCL-P2-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₄₂H₅₀O₉
	Description at EP Monograph	Molecular Mass
	NA	698.35 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		

Pridinol Dehydro Impurity		
API Name: Pridinol	MassChro Product Code	CAS Number
	MCL-P4-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₂₀H₂₃N
	Description at EP Monograph	Molecular Mass
	NA	277.18 Da
IUPAC Name / Other Name		
1-(3,3-diphenylprop-2-en-1-yl)piperidine		

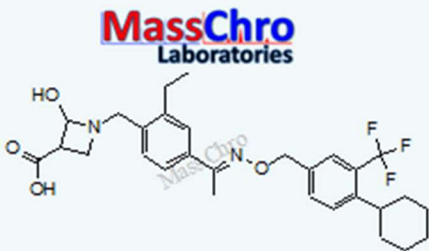
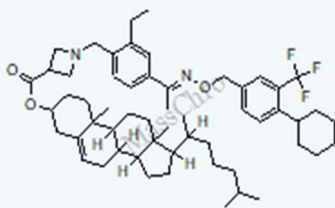
Pridinol N-Oxide Impurity		
API Name: Pridinol	MassChro Product Code	CAS Number
	MCL-P4-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C₂₀H₂₅NO₂
	Description at EP Monograph	Molecular Mass
	NA	311.19 Da
IUPAC Name / Other Name		
1-(3-Hydroxy-3,3-diphenylpropyl)piperidine 1-oxide;		

Selexipag N-Oxide		
API Name: Selexipag 	MassChro Product Code	CAS Number
	MCL-S1-001	NA
	Description at USP Monograph	Molecular Formula
	NA	$C_{26}H_{32}N_4O_5S$
	Description at EP Monograph	Molecular Mass
	NA	512.21 Da
IUPAC Name / Other Name		
5-(isopropyl(4-(2-(methylsulfonylamido)-2-oxoethoxy)butyl)amino)-2,3-diphenylpyrazine 1-oxide		

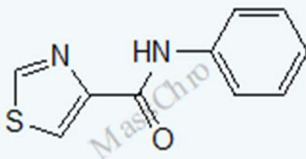
Ethyl 2-(4-((5,6-diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetate		
API Name: Selexipag 	MassChro Product Code	CAS Number
	MCL-S1-002	2287345-22-4
	Description at USP Monograph	Molecular Formula
	NA	$C_{27}H_{33}N_3O_3$
	Description at EP Monograph	Molecular Mass
	NA	447.25 Da
IUPAC Name / Other Name		
{4-[(5,6-Diphenyl-pyrazin-2-yl)-isopropyl-amino]-butoxy}-acetic acid ethyl ester		

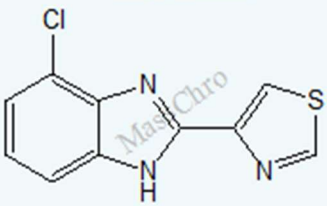
2-{4-[N-(5,6-Diphenylpyrazin-2-yl)-N-isopropylamino]butyloxy}acetic Acid tert-Butyl Ester		
API Name: Selexipag 	MassChro Product Code	CAS Number
	MCL-S1-003	475084-96-9
	Description at USP Monograph	Molecular Formula
	NA	$C_{29}H_{37}N_3O_3$
	Description at EP Monograph	Molecular Mass
	NA	475.28 Da
IUPAC Name / Other Name		
{4-[(5,6-Diphenyl-pyrazin-2-yl)-isopropyl-amino]-butoxy}-acetic acid tert-butyl ester		

2-(4-((5,6-Diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetic Acid		
API Name: Selexipag 	MassChro Product Code	CAS Number
	MCL-S1-004	475085-57-5
	Description at USP Monograph	Molecular Formula
	NA	$C_{25}H_{29}N_3O_3$
	Description at EP Monograph	Molecular Mass
	NA	419.22 Da
IUPAC Name / Other Name		
{4-[(5,6-Diphenyl-pyrazin-2-yl)-isopropyl-amino]-butoxy}-acetic acid Selexipag Active Metabolite		

4-((5,6-Diphenylpyrazin-2-yl)(isopropyl)amino)butan-1-ol		
API Name: Selexipag	MassChro Product Code	CAS Number
	MCL-S1-005	475086-75-0
	Description at USP Monograph	Molecular Formula
	NA	C ₂₃ H ₂₇ N ₃ O
	Description at EP Monograph	Molecular Mass
	NA	361.22 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		
Siponimod Open Ring Impurity		
API Name: Siponimod	MassChro Product Code	CAS Number
	MCL-S2-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₉ H ₃₅ F ₃ N ₂ O ₃
	Description at EP Monograph	Molecular Mass
	NA	516.26 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		
Siponimod Hydroxy Impurity		
API Name: Siponimod	MassChro Product Code	CAS Number
	MCL-S2-002	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₂₉ H ₃₅ F ₃ N ₂ O ₄
	Description at EP Monograph	Molecular Mass
	NA	532.25 Da
IUPAC Name / Other Name		
Refer our website https://masschro.com		
Siponimod Cholesterol Ester		
API Name: Siponimod	MassChro Product Code	CAS Number
	MCL-S2-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₅₆ H ₇₉ F ₃ N ₂ O ₃
	Description at EP Monograph	Molecular Mass
	NA	884.60 Da
IUPAC Name / Other Name		
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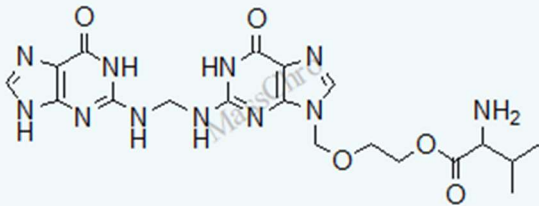
4-(N-phenylamidino)thiazole HCl		
API Name: Thiabendazole	MassChro Product Code	CAS Number
	MCL-T1-001	61933-95-5
	Description at USP Monograph	Molecular Formula
	NA	C ₁₀ H ₁₀ ClN ₃ S
	Description at EP Monograph	Molecular Mass
	NA	239.03 Da as HCl salt
IUPAC Name / Other Name		
4-(N-phenylamidino)thiazole HCl / Amidine Hydrochloride		

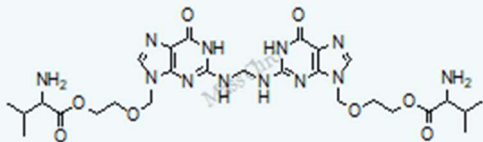
N-phenylthiazole-4-carboxamide		
API Name: Thiabendazole	MassChro Product Code	CAS Number
	MCL-T1-002	88218-99-9
	Description at USP Monograph	Molecular Formula
	NA	C ₁₀ H ₈ N ₂ OS
	Description at EP Monograph	Molecular Mass
	NA	204.04 Da
IUPAC Name / Other Name		
N-phenylthiazole-4-carboxamide / Amide Impurity of Thiabendazole inter Thiazole-4-carboxylic acid phenyl amide		

4-Chlorothiabendazole		
API Name: Thiabendazole	MassChro Product Code	CAS Number
	MCL-T1-003	NA
	Description at USP Monograph	Molecular Formula
	NA	C ₁₀ H ₆ ClN ₃ S
	Description at EP Monograph	Molecular Mass
	NA	234.99 Da
IUPAC Name / Other Name		
4-Chlorothiabendazole / 4-chloro-2-(thiazol-4-yl)-1H-benzo[d]imidazole		

5-Chlorothiabendazole		
API Name: Thiabendazole	MassChro Product Code	CAS Number
	MCL-T1-004	142383-75-3
	Description at USP Monograph	Molecular Formula
	NA	C ₁₀ H ₆ ClN ₃ S
	Description at EP Monograph	Molecular Mass
	NA	234.99Da
IUPAC Name / Other Name		
5-Chlorothiabendazole / 5-chloro-2-(thiazol-4-yl)-1H-benzo[d]imidazole		

Tenatoprazole Sulfone Impurity		
API Name: Tenatoprazole	MassChro Product Code	CAS Number
	MCL-T2-001	NA
	Description at USP Monograph	Molecular Formula
	NA	C₁₆H₁₈N₄O₄S
	Description at EP Monograph	Molecular Mass
	NA	362.10 Da
	IUPAC Name / Other Name	
	1-(3-Hydroxy-3,3-diphenylpropyl)piperidine 1-oxide;	

Valacyclovir EP Impurity N		
API Name: Valacyclovir	MassChro Product Code	CAS Number
	MCL-V1-001	NA
	Description at USP Monograph	Molecular Formula
	Guaninyl Valacyclovir	C₁₉H₂₅N₁₁O₅
	Description at EP Monograph	Molecular Mass
	Valacyclovir EP Impurity N	487.20 Da
	IUPAC Name / Other Name	
	2-((6-oxo-2-(((6-oxo-6,9-dihydro-1H-purin-2-yl)amino)methyl)amino)-1,6-dihydro-9H-purin-9-yl)methoxy)ethyl 2-amino-3-methylbutanoate	

Valacyclovir EP Impurity P		
API Name: Valacyclovir	MassChro Product Code	CAS Number
	MCL-V1-002	1356019-51-6
	Description at USP Monograph	Molecular Formula
	Bis Valacyclovir	C₂₇H₄₀N₁₂O₈
	Description at EP Monograph	Molecular Mass
	Valacyclovir EP Impurity P	660.31 Da
	IUPAC Name / Other Name	
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e-mail: mohan.k@masschro.com; info@masschro.com; bd@masschro.com

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