

YMC

**CHIRAL
ISOMERIC
IMPURITIES**

**API
IMPURITIES**

**CUSTOM
SYNTHESIS**

**KEY
INTERMEDIATES**

**DIMER
IMPURITIES**



ABACAVIR

	CAS No.
Abacavir Impurity A	136470-79-6
Abacavir Impurity B	1443421-69-9
Abacavir Impurity C	124752-25-6
Abacavir Impurity D	1443421-67-7
Abacavir Impurity E	208762-35-0
Abacavir Cyclopropyl	
Diamino Purine Impurity	120503-69-7
Abacavir Diamino	
Purine Impurity	69369-16-0

BRIVARACETAM

	CAS No.
Brivaracetam (alfaR,4R)-Isomer	357337-00-9
Brivaracetam (alfaS,4S)-Isomer	357336-19-7
Brivaracetam (alfaR,4S)-Isomer	357336-99-3
Brivaracetam (Racemate)	357335-87-6
Brivaracetam Acid	943986-67-2

CANAGLIFLOZIN

	CAS No.
Canagliflozin Alpha Isomer	1589590-87-3
Tetra acetyl Canagliflozin	866607-35-4

DAPAGLIFLOZIN

	CAS No.
Dapagliflozin alphaisomer	1373321-04-0
Dapagliflozin alphaisomer tetraacetate	NA
Dapagliflozin tetraacetate	461432-25-7
Dapagliflozin Furanose Isomer	1469910-70-0

LATANOPROST

	CAS No.
Latanoprost	130209-82-4
15-Keto Latanoprost Acid	369585-22-8
Latanoprost EP Impurity D	2088449-88-9
Latanoprost EP Impurity E	145773-22-4

Chiral Isomeric Impurities

BIMATOPROST

	CAS No.
Bimatoprost	155206-00-1
(15R)-Bimatoprost	1163135-92-9
15-Keto-Bimatoprost	1163135-96-3
Bimatoprost Acid	38344-08-0
Trans-Latanoprost Acid	903549-49-5

CARBOPROST

	CAS No.
Carboprost	35700-23-3
Carboprost Tromethamine	58551-69-2
Trans-Carboprost	76498-29-8
Carboprost Tromethamol Imp-B	35864-81-4
Methyl carboprost	33854-16-9

EMPAGLIFLOZIN

	CAS No.
Empagliflozin α -Anomer	1620758-33-9
Empagliflozin impurity 1	915095-94-2
Empagliflozin impurity 2	915095-87-3
Empagliflozin impurity 5	1800196-46-6
Tetracetyl empagliflozin	915095-99-7

IBRUTINIB

	CAS No.
Ibrutinib N1-Oxide	2437254-47-0
N6-Acryloyl Ibrutinib	2031255-27-1
N1-(2-Carboxyethyl) Ibrutinib	NA
(R)-N-Desacryloyl N-Propionyl Ibrutinib	1839099-22-7
Dihydrodiol Ibrutinib	1654820-87-7
(S)-Ibrutinib	936563-97-2
Ibrutinib Dimer Impurity 1	2031255-23-7
Ibrutinib Hydroxy Impurity	2031255-24-8

LACOSAMIDE

	CAS No.
Lacosamide imp K	86921-49-5
Lacosamide EP Impurity E	175481-39-7
Lacosamide EP Impurity D	196601-69-1
Lacosamide EP Impurity A	175481-37-5
Lacosamide EP Impurity B	1318777-54-6
Lacosamide EP Impurity H	1375090-19-9
Lacosamide EP Impurity F	175481-38-6
Lacosamide EP Impurity I/ Ureidolacosamide	2295925-90-3
N-Methyl Lacosamide	388619-64-5
Lacosamide EP Impurity G	588-46-5
lacosamide impurity	1253790-58-7
lacosamide impurity	69805-82-9
Lacosamide EP Impurity J	100-46-9

SACUBITRIL

	CAS No.
Sacubitril-(2S,4S)-Isomer	149709-63-7
Sacubitril-(2R,4R)-Isomer	2259708-00-2
Sacubitril-(2S,4R)-Isomer	761373-05-1
Sacubitril-(2R,4S)-Isomer	149709-62-6

TENOFOVIR

	CAS No.
Tenofovir mixed Dimer	1093279-77-6
Tenofovir Mono POC Dimer	1962114-92-6
Tenofovir Disoproxil Fumarate	1093279-76-5

TRAVOPROST

	CAS No.
Travoprost	157283-68-6
Travoprost 5,6-Trans Isomer	1563176-59-9
Travoprost 15-EPI	
Diastereomer	1420791-14-5
15S-Travoprost	340181-93-3

Chiral Isomeric Impurities

MISOPROSTOL

	CAS No.
Misoprostol	59122-46-2
Misoprostol EP Impurity A	1788085-78-8
Misoprostol EP Impurity C	58682-86-3
Misoprostol Acid	66792-31-2
Misoprostol EP Impurity E	58717-36-5

NEBIVOLOL

	CAS No.
Nebivolol Impurity (SS,RS)	920299-27-0
Nebivolol Impurity (RRSS)	119365-23-0
Nebivolol Impurity (RRSR)	920275-20-3
Nebivolol Impurity (SS,RR)	119365-30-9
Nebivolol Impurity (SS,SS)	920275-27-0
Nebivolol Impurity (SR,RR)	118457-15-1

VILDAGLIPTIN

	CAS No.
Vildagliptin	274901-16-5
Vildagliptin Amino Alcohol Impurity	702-82-9
Vildagliptin Nitroso Impurity 2	7519-36-0
Vildagliptin carboxamide Impurity	565453-39-6
Vildagliptin Deshydroxy Impurity	741657-02-3
(S)-1-Hydroxyacetyl) pyrroldiine-2-carbonitrile	1563006-28-9
Vildagliptin chloacetyl Nitrile (S)-isomer	207557-35-5
Vildagliptin carboxylic acid	565453-40-9

APXABAN

	CAS No.
4-Demethoxy-4-hydroxy Apixaban	503612-76-8
Apixaban Acid Methyl Ester Impurity	1074365-84-6
Apixaban acid impurity/EP A	503614-92-4
Apixaban Impurity 16	1619934-76-7
Apixaban Open chain acid	2241139-69-3
Apixaban Impurity 11	1704504-93-7
Apixaban Open chain amide/Apixaban impurity D	2187409-01-2
Apixaban Chloro analogue	NA
ApixabanEthoxy analogue	1928718-22-2
Apixaban Meta Methoxy Isomer	NA
ApixabanDesmethoxy	1801881-17-3
ApixabanOthomethoxy	NA
ApixabanBromo acid	NA
Apixaban morpholine analogue/ MW- 612	NA
Apixaban Impurity 18	1643330-62-4
Apixaban impurity 20	1421823-20-2
Apixaban V	503614-91-3

AMLODIPINE

	CAS No.
Amlodipine Impurity G	43067-01-2
Amlodipine EP impurity A	88150-62-3
Amlodipine EP impurity B	721958-72-1
Amlodipine EP Impurity D	113994-41-5
Amlodipine EP Impurity E	140171-65-9
Amlodipine EP Impurity F	140171-66-0
Amlodipine EP Impurity H	318465-73-5
Nitroso amlodipine	NA
Biclutamide Related Compound B	1166228-30-3
Biclutamide Impurity J	90356-78-8
4-Amino-2-trifluoro methyl benzonitrile	654-70-6

CELECOXIB

	CAS No.
Celecoxib Impurity A	170570-01-1
Celecoxib Impurity B	331943-04-5

API impurities

BISOPROLOL

	CAS No.
Bisoprolol EP Impurity A	62572-93-4
Bisoprolol EP Impurity M	177034-57-0
Bisoprolol EP Impurity G	1215342-36-1
Bisoprolol EP Impurity L	29122-74-5
Bisoprolol EP Impurity K	864544-37-6
N-Formyl Bisoprolol	1447715-45-8
Bisoprolol EP Impurity B	1447715-44-7
Bisoprolol EP Impurity C	1797132-90-1
Bisoprolol EP Impurity E	1217245-60-7
Bisoprolol EP Impurity N	1346601-75-9
Bisoprolol EP Impurity Q	1346604-00-9
Bisoprolol EP Impurity R	5790-46-5
Bisoprolol EP Impurity S	123-08-0
Bisoprolol Epoxide Impurity	66722-57-4
Nitroso bisoprolol	NA
Bisoprolol Impurity 1	1346603-05-1

CIPROFLAXACIN

	CAS No.
Ciprofloxacin EP Impurity C	528851-31-2
Ciprofloxacin 7-Chloro-6-Desethylene Impurity	528851-30-1
N-Ethyl carbonyl ciprofloxacin	NA
Ciprofloxacin EP Impurity D	133210-96-5
Ciprofloxacin EP Impurity E	105394-83-0
Ciprofloxacin EP Impurity F	226903-07-7
Formyl Ciprofloxacin	93594-39-9
Ciprofloxacin EP Impurity A	86393-33-1

HYDROXYZINE

	CAS No.
Hydroxyzine EP Impurity A	303-26-4
Hydroxyzine EP Impurity B	3733-63-9
Hydroxyzine N-Oxide	2469273-48-9
Hydroxyzine Impurity 1	85293-16-9
Hydroxyzine Impurity 10	2518402-06-5

DICLOFENAC

	CAS No.
Diclofenac related compound	
A/ Diclofenac EP impurity A	15362-40-0
Diclofenac EP Impurity B	22121-58-0
Diclofenac impurity E	59-48-3
Diclofenac Methyl Ester	15307-78-5
Diclofenac Ethyl Ester	15307-77-4
Diclofenac EP Impurity C	27204-57-5
Diclofenac EP Impurity D	127792-23-8
N-(2,6-Dichlorophenyl)aniline	15307-93-4
Diclofenac glyoxillic acid/ diketo analogue	66156-75-0
Diclofenac impurity F	560075-65-2
Diclofenac N-Acetyl Impurity	NA
Diclofenac Chloroacetyl Chloride Impurity	15308-01-07
Diclofenac 2-bromo-6-chloro Benzoic acid Impurity	NA
Diclofenac 2-bromo-6-chloro Aniline Impurity	127792-45-4

METFORMIN

	CAS No.
Metformin EP Impurity F HCl	506-59-2
Metformin EP Impurity A	461-58-5
Metformin Impurity D	108-78-1
Metformin EP Impurity C	1985-46-2
Metformin EP Impurity B	2959-04-8.
Metformin Impurity E/ RC B	36801-25-9
Methyl 2-(p-Tolyl)benzoate	114772-34-8

OMEPRAZOLE

	CAS No.
Omeprazole Ep impurity I/RC I	158812-85-2
Omeprazole N-Oxide/ RC E	176219-04-8
Omeprazole EP Impurity C	73590-85-9
Omeprazole EP Impurity F and G mixture	NA
Omeprazole EP Impurity A	37052-78-1
Omeprazole EP Impurity D/ RC A	88546-55-8

SULFASALAZINE

	CAS No.
Sulfasalazine	599-79-1
Sulfasalazine EP Impurity A	1391062-35-3
Sulfasalazine EP Impurity B	1391062-49-9
Sulfasalazine EP Impurity C	66030-25-9
Sulfasalazine EP Impurity D	66364-70-3
Sulfasalazine EP Impurity E	1391062-34-2
Sulfasalazine EP Impurity F	66364-71-4
Sulfasalazine EP Impurity G	1391062-37-5
Sulfasalazine EP Impurity I	6054-99-5
Sulfasalazine EP Impurity J	144-83-2

OUR KEY SERVICES



CUSTOM RESEARCH

- Multistep organic synthesis
- Process optimization
- Route scouting
- Milligram to kilogram scale
- FTE & FFS model



DRUG DISCOVERY

- Medical chemistry solutions
- Design and synthesis of NCEs
- Lead optimization
- Focused library synthesis
- New chemical building blocks

Important Pyrimidines Intermediates

S.No	Name of the Pyrimidine Compound	CAS No.
1	6,7-dihydrothieno[3,2-d]pyrimidine-2,4-diol	913581-92-7
2	2,4-dichloro-6,7-dihydrothieno[3,2-d]pyrimidine	74901-69-2
3	4,6-dichloro-2-methylpyrimidine	1780-26-3
4	5-bromo-4-chloro-6-cyclopropylpyrimidine	27192-21-8
5	2-Chloropyrimidine	1722-12-9
6	2-Hydroxypyrimidine hydrochloride	38353-09-2
7	2-Hydroxy-5-chloropyrimidine	54326-16-8
8	2,5-Dichloropyrimidine	22536-67-0
9	5-Chloro-2-iodopyrimidine	874676-81-0
10	2,4-dichloro-7H-pyrrolo[2,3-d]pyrimidine	90213-66-4
11	5-Bromopyrimidine	4595-59-9
12	2-Chloro-5-nitropyrimidine	10320-42-0
13	2-Bromopyrimidine	4595-60-2
14	2-Aminopyrimidine	109-12-6
15	4-Chloro-6-methoxypyrimidine	26452-81-3
16	2,5-Dichloropyrimidine	22536-67-0
17	5-chloro-2-iodopyrimidine	874676-81-0
18	8-Chloro-2-(methylthio)pyrimido[5,4-d]pyrimidine	176637-10-8
19	5-Methyl-4-oxo-3H,4H-thieno[2,3-d]pyrimidine-6-carboxamide	691862-37-0
20	5-Bromo-2-(methylthio)pyrimidine-4-carboxylic acid	50593-92-5
21	5-amino-2-(methylthio)pyrimidine-4-carboxylic acid	100130-05-0
22	6-(methylthio)pyrimido[5,4-d]pyrimidin-4(3H)-one	98550-19-7
23	8-Chloro-2-(methylthio)pyrimido[5,4-d]pyrimidine	176637-10-8
24	5-bromo-6-cyclopropylpyrimidin-4-ol	27192-20-7
25	5-bromo-4-chloro-6-cyclopropylpyrimidine	27192-21-8
26	5-Bromo-4-cyclopropyl-6-methylpyrimidine	1434127-91-9
27	2,4-Dichloropyrimidine-5-carboxamide	1240390-28-6
28	5-Bromo-N,N-dimethylpyrimidine-2-carboxamide	915948-92-4
29	5-Bromopyrimidine-2-carbonitrile	38275-57-9
30	5-Bromopyrimidine-2-carboxylic acid	37131-87-6

Important Indole Intermediates

S.No	Name of the Pyrimidine Compound	CAS No.
1	5-bromo-1H-indole-2-carboxylic acid	7254-19-5
2	4-Bromoindole	52488-36-5
3	5-Bromoindole	10075-50-0
4	6-Bromoindole	52415-29-9
5	5-Bromoindole-2-carboxylic acid	7254-19-5
6	5-Nitroindole	6146-52-7
7	4-Bromoindole-3-carboxaldehyde	98600-34-1
8	Ethyl 5-hydroxy-1,2-dimethyl-1H-indole-3-carboxylate	15574-49-9
9	4-Hydroxyindole	2380-94-1
10	5-Hydroxyindole	1953-54-4
11	6-Chloro-7-deazapurine	3680-69-1
12	5-Chloroindole-2-carboxylic acid	10517-21-2
13	5-Chloroindole	17422-32-1
14	Ethyl 5-bromoindole-2-carboxylate	16732-70-0
15	5-Bromoindole-2-carboxylic acid	7254-19-5
16	Indole-6-carboxylic acid	1670-82-2
17	5-Fluoroindole-2-carboxylic acid	399-76-8
18	6-Methoxyindole	3189-13-7
19	5-Methoxyindole-2-carboxylic acid	4382-54-1
20	5-Bromo-6-chloroindole	122531-09-3

Dimer Impurities

S.No	Name of the Impurity	CAS No.
1	Ibrutinib Dimer Impurity 1	2031255-23-7
2	Rivaroxaban - Impurity D	1365267-35-1
3	Rivaroxaban Phthalamide Dimer	1365267-36-2
4	Venetoclax dimer impurity (Bis amide)	2270190-88-8
5	Cysteine-penicillamine disulfide	92077-05-9
6	D-Penicillamine Disulfide	20902-45-8
7	Penicillamine Impurity 1	22801-32-7

**Our CoA comes with HPLC Purity, Mass, NMR Data and can provide as per client requirements.



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