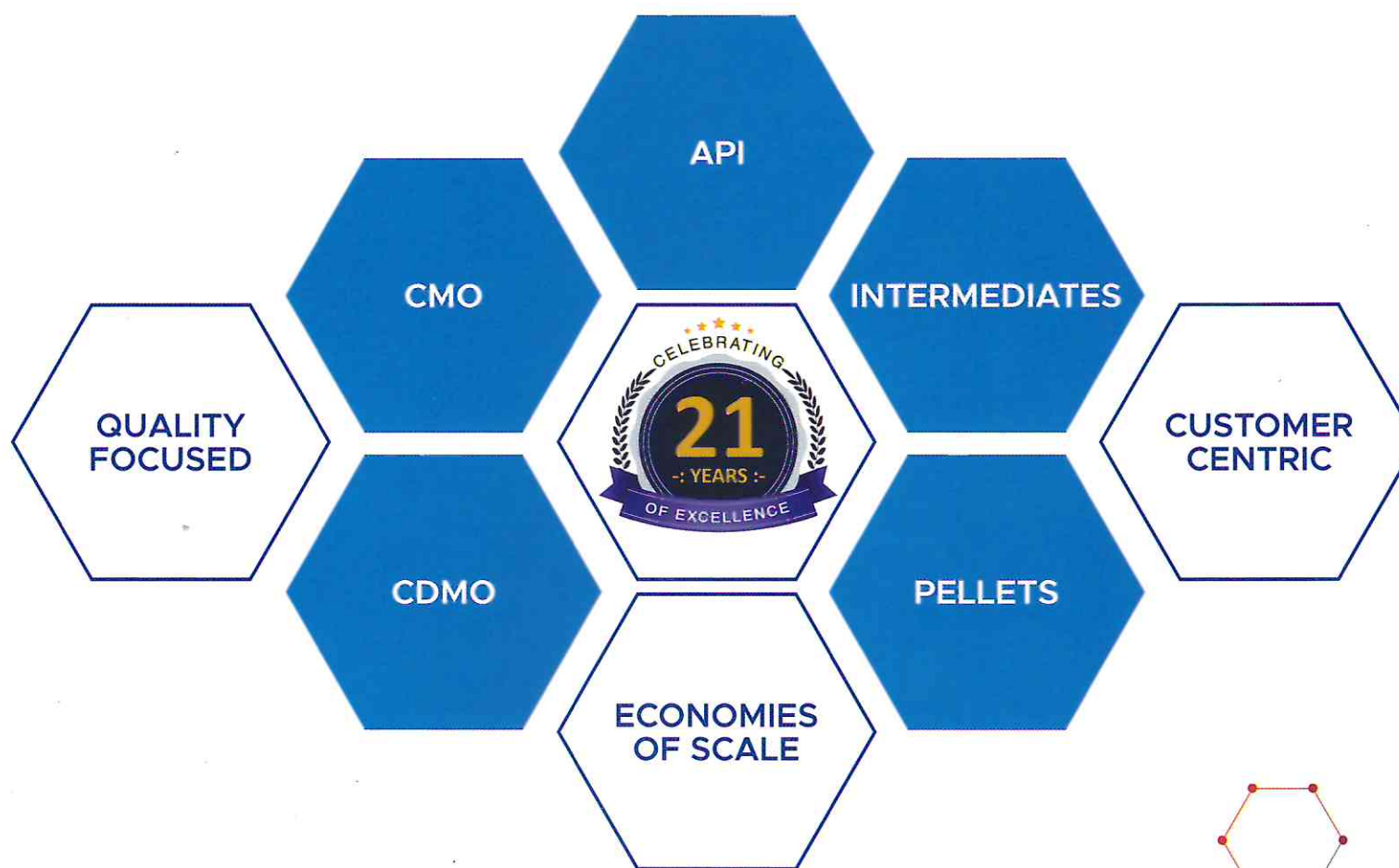




Smilax LabsTM

CREATING VALUE IN YOUR VALUE CHAIN



Your Trusted Pharma Partner from India



Smilax LabsTM

CREATING VALUE IN YOUR VALUE CHAIN

Our name, Smilax, is derived from a genus of 300–350 berries known worldwide for providing nourishment, sustenance, and remarkable medicinal value.

In just five years since our inception, we have made our presence felt across the Europe, and Japan. Today, Smilax Labs is recognized as one of the most trusted partners for pharmaceutical companies worldwide, meeting their API, intermediates and Pellets requirements with quality and reliability.

Our strength lies in developing cost-effective, regulatory-compliant products while continuously investing in scale, capacity, quality, and advanced chemistry platforms. This enables us to deliver seamless outsourcing solutions to our global pharmaceutical customers.

OUR STRENGTHS

- 21 Years of API Manufacturing Excellence
- Promoted by US\$ 2 billion Ramky Group (annual revenue)
- 200+ Products across APIs, Intermediates and Pellets
- Built up Area of 370,000 SFT
- 475 KL multipurpose multiple block facilities
- Plans to scale-up to 1200 KL
- Well equipped R&D Centre with 60+ Scientists
- Regulatory Approvals : USFDA, EU GMP and PMDA Japan

VISION

Smilax shall be leading research & manufacturing partner in Active Pharmaceutical Ingredients & Advanced Drug intermediates pursuing chemistry for sustainable growth.

MISSION

We shall ensure quality, reliability and continuous innovation thereby enhancing the sustainability & value for all stakeholders.

VALUES

Integrity | Excellence
Trust | Collaboration

Quality

Continuous Improvement

Safety, Health & Environment



APIs Offered (Commercial)

Product	Therapeutic Category	Specification	CEP
Amlodipine Besylate	Anti-Hypertensive	IP/BP/Ph.Eur/USP	P
Atomoxetine HCl	ADHD	IP/BP/Ph.Eur/USP	
Azilsartan	Anti-Hypertensive	IHS	
Blonanserin	Anti-Psychotic	IHS	
Candesartan Cilexetil	Anti-Hypertensive	IP/BP/Ph.Eur/USP	A
Citalopram HBr	Anti-Depressant	IP/BP/Ph.Eur/USP	
Cloperastine HCl	Anti-Histamine	IHS/JP	
Clopidogrel Bisulfate (Form II)	Anti-Platelet	IP/BP/Ph.Eur/USP	
Escitalopram Oxalate	Anti-Depressant	IP/BP/Ph.Eur/USP	A
Esomeprazole Mg (Trihydrate)	Anti-Ulcerative	IP/BP/Ph.Eur/USP	A
Fluoxetine	Anti-Depressant	IP/USP	
Gabapentin	Anti-Convulsant	BP/Ph.Eur/USP	
Guaifenesin	Mucolytics	IP/Ph.Eur/USP	A
Irbesartan	Anti-Hypertensive	IP/Ph.Eur/USP	P
Itraconazole	Anti-Fungal	IP/Ph.Eur/USP	P
Lansoprazole	Anti-Ulcerative	IP/BP/Ph.Eur/USP	F
Levocetirizine Di HCl	Anti-Histamine	IP/Ph.Eur/USP	P
Losartan Potassium	Anti-Hypertensive	IP/BP/Ph.Eur/USP	
Memantine HCl	Anti-Hypertensive	USP	
Methocarbamol	Muscle Relaxant	USP	
Norfloxacin	Anti-Bacterial	IP/BP/Ph.Eur/USP	P
Olanzapine	Anti-Depressant	IP/BP/Ph.Eur/USP	P
Omeprazole	Anti-Ulcerative	IP/BP/Ph.Eur/USP	A
Omeprazole Sodium	Anti-Ulcerative	BP/Ph.Eur	
Pantoprazole Sodium	Anti-Ulcerative	IP/BP/Ph.Eur/USP	A
Pioglitazone HCl	Anti-Diabetic	IP/BP/Ph.Eur/USP	
Rabeprazole Sodium	Anti-Ulcerative	IHS/IP	
Repaglinide	Anti-Diabetic	IP/BP/Ph.Eur/USP	
Risperidone	Anti-Depressant	IP/BP/Ph.Eur/USP	A
Sildenafil Citrate	Erectile Dysfunction	IP/BP/Ph.Eur/USP	
Sertraline Hcl	Anti-Depressant	BP/Ph.Eur	
Sumatriptan Succinate	Anti-Migraine	BP/Ph.Eur/USP	
Tamsulosin HCl	Muscle Relaxant	IP/BP/Ph.Eur/USP	
Telmisartan	Anti-Hypertensive	IP/BP/Ph.Eur/USP	
Valsartan	Anti-Hypertensive	IP/BP/Ph.Eur/USP	A

A CEP Available
 F CEP Filed
 P CEP Filing Under Progress

APIs Under Scale-Up

Product	Therapeutic Category
Azilsartan Medoxomil	Anti-Hypertensive
Azilsartan Potassium Medoxomil	Anti-Hypertensive
Cloperastine Fendizoate	Anti-Histamine
Dabigatran Etexilate	Anti-Coagulant
Dabigatran Etexilate Mesylate	Anti-Coagulant
Duloxetine	Anti-Depressant
Olmесartan Medoxomil	Anti-Hypertensive
Ranolazine	Anti-Hypertensive
Tadalafil	Erectile Dysfunction

APIs Ready for Scale-Up

Product	Therapeutic Category
Dexlansoprazole	Anti-Ulcerative
Edoxaban Tosylate Monohydrate	Anti-Coagulant
Mirabegron	Anti-Spasmodic
Paliperidone Palmitate	Anti-Psychotic
Pentoxyverine Citrate	Anti-Tussive
Prasugrel	Anti-Platelet
Rivaroxaban	Anti-Coagulant
Valsartan Sacubitril	Anti-Hypertensive
Vortioxetine	Anti-Depressant

APIs Under Development

Product	Therapeutic Category
Apixaban	Anti-Coagulant
Clozapine	Anti-Depressant
Dapagliflozin	Anti-Diabetic
Empagliflozin	Anti-Diabetic
Ipragliflozin	Anti-Diabetic
Ivacaftor	Cystic Fibrosis
Linagliptin	Anti-Diabetic

APIs Under Development

Product	Therapeutic Category
Posaconazole	Anti-Fungal
Saxagliptin	Anti-Diabetic
Ticagrelor	Anti-Platelet
Tolvaptan	Hyponatremia
Vildagliptin	Anti-Diabetic
Vonoprazan	Anti-Ulcerative

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PELLETS AND DC GRANULES PLANT AT VIZAG

- State-of-the-art facility with 20,000 SFT built-up area
- Annual Capacity 1200 MT
- Four production modules
- Product range includes Immediate Release, Sustained Release, Extended Release, Modified Release Pellets, Blended Pellets, Pre-mixes, MUPS, and DC Granules

PRODUCTS OFFERED

PELLETS DR / IR	Product Name	Strength (w/w)	Specification
	Esomeprazole Mg EC Pellets	8.5%, 22.5%	IHS/USP
	Itraconazole IR Pellets	22%, 32.25%, 40%, 44%	IP/BP/USP
	Lansoprazole EC Pellets	8.5%	IHS/USP
	Omeprazole EC Pellets	7.5%, 8.5%, 15%, 22.5%	IHS/USP
	Pantoprazole Na EC Pellets	15%, 22.5%	IHS/IP

PRODUCTS VALIDATED & UNDER STABILITY

PELLETS	IR	Product Name	Strength (w/w)	Specification
		Atorvastatin Ca IR Pellets	7%, 10%	USP
		Clopidogrel Bisulphate IR Pellets	55%	USP
		Domperidone IR Pellets	10%, 20%	IP/IHS
		Dutasteride IR Pellets	0.32%	USP
		Itraconazole IR Pellets	32.5%	IP/BP/USP/IHS
	SR/MR	Telmisartan IR Pellets	20%	USP
		Levosulpiride SR Pellets	55%	IHS
		Domperidone SR Pellets	22%, 30%	IP/IHS
		Mebeverine HCl SR Pellets	52.36%	IP/IHS
		Tamsulosin HCl SR/MR Pellets	0.16%, 0.2%	USP
		Venlafaxine HCl SR Pellets	33%	USP
	DR	Duloxetine HCl EC/DR Pellets	17%	IHS
		Omeprazole EC Pellets	10%, 30%	USP
		Pantoprazole Na EC Pellets	30%	IP
		Rabeprazole Na EC Pellets	15%	IP/IHS

MUPS Micro Pellets	Esomeprazole Mg DR Micro Pellets	8.5%, 22.5%	USP
	Itraconazole IR Micro Pellets	22%	BP
	Lansoprazole DR Micro Pellets	8.5%	USP
	Omeprazole DR Micro Pellets	8.5%	USP
	Pantoprazole Na DR Micro Pellets	15%, 22.5%	IP
	Tamsulosin HCl SR Micro Pellets	0.16%, 0.4%	IP

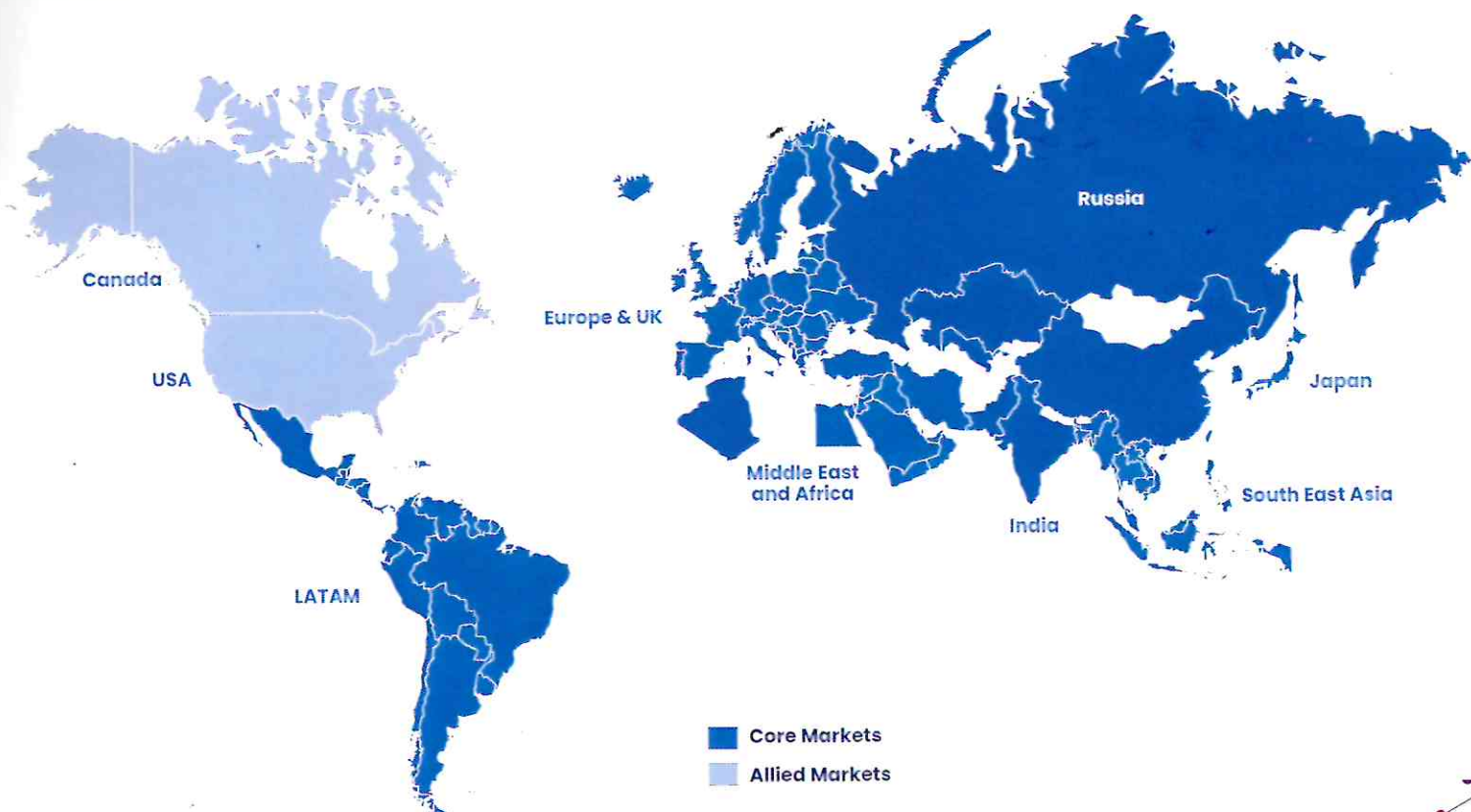
BLEND Pellets	Atorvastatin IR + Clopidogrel IR	10 mg + 75 mg	IHS
	Esomeprazole Mg EC + Domperidone SR	40 mg + 30 mg	IHS
	Omeprazole EC + Domperidone IR	20 mg + 10 mg	IP
	Pantoprazole Na EC + Domperidone SR	40 mg + 30 mg	IP
	Pantoprazole Na EC + Levosulpiride SR	40 mg + 75 mg	IHS
	Rabeprazole Na EC + Domperidone SR	20 mg + 30 mg	IP
	Rabeprazole Na EC + Levosulpiride SR	40 mg + 75 mg	IHS
	Tamsulosin HCl SR + Dutasteride IR	0.4 mg + 0.5 mg	IP
DC GRANULES	Guaifenesin ER DC Granules	94.9%	USP
	Guaifenesin IR DC Granules	95%	USP
	Metformin HCL DC Granules	94.16% , 95.24%	USP
	Paracetamol/Acetaminophen DC Granules	79.37%, 83.33%, 90%	USP
	Paracetamol/Acetaminophen ER DC Granules	88%	USP
PELLETS / MUPS DDR/EC/DR/IR/SR	Dexlansoprazole EC/DR Pellets	17%, 22.5%	IHS
	Dexlansoprazole DDR Pellets	8.50%, 17%, 20%, 22.5%, 25%	IHS
	Duloxetine HCl EC/DR Pellets	11%, 20%	IHS
	Mebeverine HCl SR Pellets	80%	IP/IHS
	Clarithromycin HCL IR Pellets	27.5%, 30%, 43%	IHS
	Clarithromycin HCL DR Pellets	27.5%, 30%, 43%	IHS
	Orlistat IR Pellets	40%, 50%	USP
DC GRANULES IR/MR/ER	Guaifenesin IR DC Granules	55%	IHS
	Ibuprofen DC Granules	66%	IHS
	Metformin HCL ER DC Granules	58%	USP
	Methocarbamol DC Granules	83%	IHS
	Naproxen Sodium DC Granules	73.3%, 75% , 80%, 90%	IHS
	Paracetamol MR DC Granules	84%	USP

IR: Immediate Release | ER: Extended Release | SR: Sustained Release | MR: Modified Release | EC: Enteric Coated | DDR: Dual Delayed Release

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SMILAX'S GLOBAL PRESENCE

**Smilax Labs**[®]
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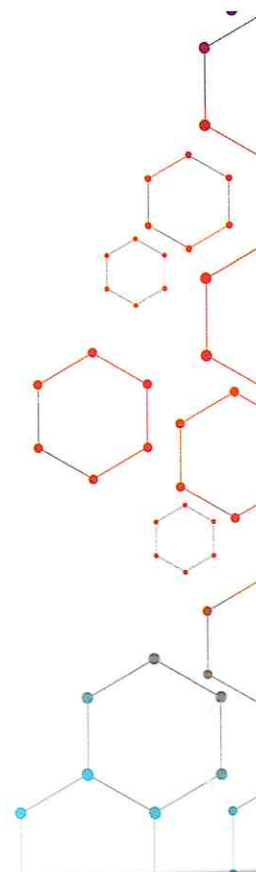
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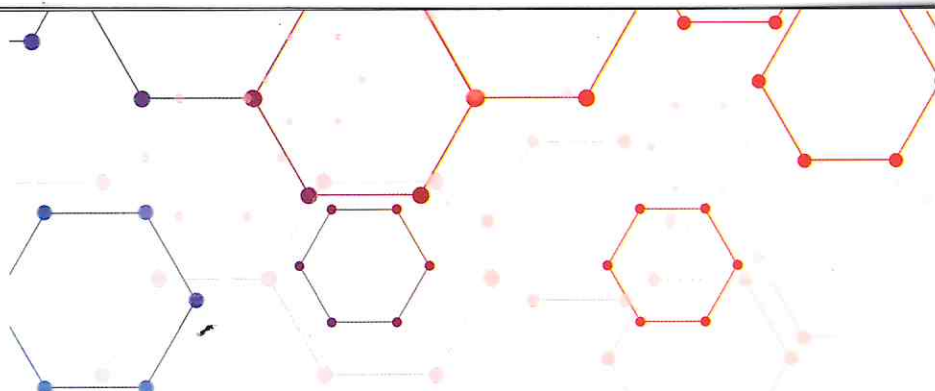
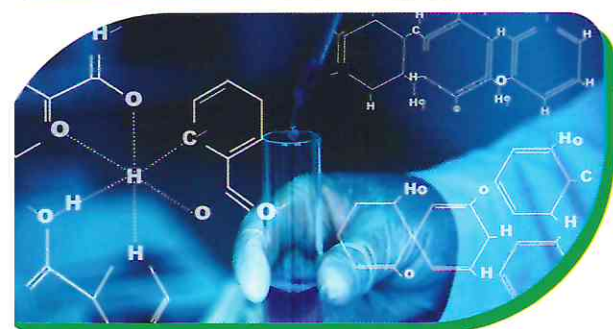
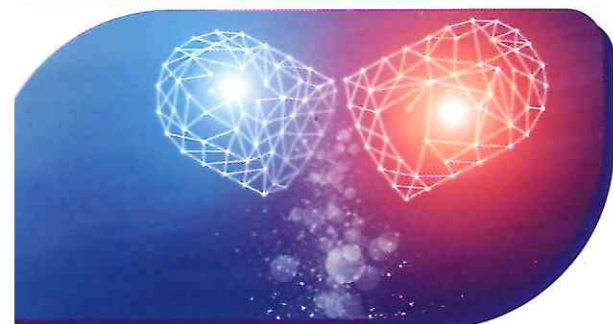
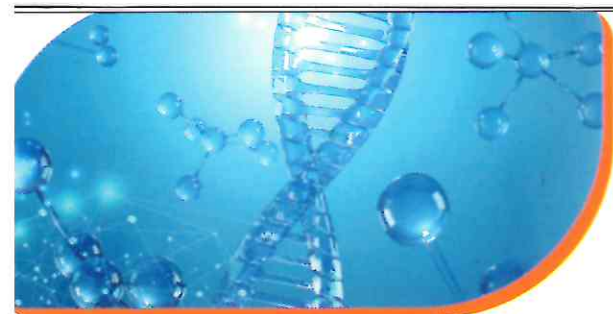
独立行政法人 医薬品医療機器総合機構
Pharmaceuticals and Medical Devices Agency



WHO-GMP



**Smilax Labs**TM



Our Website



API List



API
Intermediates



Pellets and
DC Granules List



Smilax LabsTM

CREATING VALUE IN YOUR VALUE CHAIN

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LIST OF API INTERMEDIATES

S. No	API Name	Saleable Intermediate	Chemical Name	CAS Number
1	Alogliptin Benzoate	Boc - APD	(R)-3-Boc-Amino piperidine	309956-78-3
2	Apixaban	N-1 Intermediate	Ethyl 1-(4-methoxyphenyl)-7-oxo-6-[4-(2-oxo piperidin-1-yl)phenyl]-4,5-dihydropyrazolo[3,4-c] pyridine-3-carboxylate	503614-91-3
3	Apremilast	Acetamide Intermediate	N-(1,3-Dioxo-1,3-dihydroisobenzofuran-4-yl) acetamide	149690-12-0
		Resolved Intermediate	(S)-1-(3-Ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethanamine	149690-05-1
4	Atomoxetine Hcl	De methyl Hydroxy Intermediate	3-(Methylamino)-1-phenylpropan-1-ol	42142-52-9
		N,N-Dimethyl Oxalate Salt	N,N-dimethyl-3-phenyl-3-(o-tolyloxy)propan-1-amine oxalate	107688-86-8
5	Azilsartan	Azilsartan Base	1-[[2'-(4,5-Dihydro-5-oxo-4H-1,2,4-oxadiazol-3-yl)biphenyl-4-yl]methyl]-2-ethoxy-1H-benzimidazole-7-carboxylic Acid	147403-03-0
		Ethoxy Compound	Methyl 3-((2'-cyanobiphenyl-4-yl)methyl)-2-ethoxy-3H-benzo[d]imidazole-4-carboxylate	139481-44-0
		Azilsartan amidoxime (AZL-I)	Methyl 2-ethoxy [[2'-(hydroxyamidino)biphenyl-4-yl]methyl]-1H-benzimidazole-7-carboxylate	147403-65-4
		Azilsartan ester (AZL-II)	Methyl 1-[[2'-(4,5-dihydro-5-oxo-4H-1,2,4-oxadiazol-3-yl) biphenyl-4-yl]methyl]-2-ethoxy-1H-benzimidazole-7-carboxylete	147403-52-9
6	Blonanserin	Cyclized Intermediate	4-(4-Fluorophenyl)-5,6,7,8,9,10 hexahydrocycloocta[b]pyridin-2(1H)-One	132812-72-7
7	Candesartan Cilexetil	Ethoxy Compound	Methyl 3-((2'-cyanobiphenyl-4-yl)methyl)-2-ethoxy-3H-benzo[d]imidazole-4-carboxylate	139481-44-0
		Tetrazole Compound	Methyl 3-((2'-(2H-tetrazol-5-yl)biphenyl-4-yl)methyl)-2-ethoxy-3H-benzo[d]imidazole-4-carboxylate	139481-69-9
		Carboxylic Acid	3-((2'-(2H-Tetrazol-5-yl)biphenyl-4-yl)methyl)-2-ethoxy 3H-benzo[d]imidazole-4-carboxylic acid	139481-59-7
		Trityl Candesartan	2-Ethoxy-1-{{2'-(1-triphenylmethyl-1H tetrazole-5-yl)biphenyl-4-yl)methyl}benzimidazole-7-carboxylic acid	139481-72-4
		Trityl Candesartan Cilexetil	1-(Cyclohexyloxycarbonyloxy)ethyl 2-ethoxy-3-((2'-(2-trityl-2H-tetrazol-5-yl)biphenyl-4-yl)methyl)-3H-benzo[d]imidazole-4-carboxylate	170791-09-0
8	Citalopram HBr	Cyano Diol	4-[4-(Dimethyl amino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxyl methyl) benzonitrile	103146-25-4
		Cyano Diol HBr	4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)benzonitrile hydrobromide	103146-26-5
		Cyano Diol HCl	(4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)benzonitrile hydrochloride)	717133-25-0
9	Clopidogrel Bisulphate	Int-1	D(+)-Chloro phenyl glycine methyl ester HCl	213018-92-9
		Int-2	2-Thiophene ethanol tosyl ester	40412-06-4
		CLO-II	(S)-Methyl 2-(2-chlorophenyl)-2-((2-(thiophen-2-yl)ethyl)amino)acetate hydrochloride	141109-19-5
		Clopi Pyridine	Thieno[3,2-c]pyridine, 4,5,6,7-tetrahydro-, hydrochloride (1:1)	28783-41-7

LIST OF API INTERMEDIATES

S. No	API Name	Saleable Intermediate	Chemical Name	CAS Number
10	Dabigatran Etexilate	CPA Intermediate	N-(4-cyano-phenyl)-glycogen	42288-26-6
		Amine Intermediate	3-Amino-4-methylaminobenzoic acid-N-(2-pyridyl)-N-(2-ethoxycarbonyl) amide	212322-56-0
		Coupled Cyano Intermediate	1-Methyl-2-[N-(4-cyanophenyl)-aminomethyl]-benzimidazol-5-yl-carboxylic acid-N-(2-pyridyl)-N-(2-ethoxycarbonyl) amide	211915-73-0
		Dabigatran	1-Methyl-2-[N-(4-amidinophenyl)-aminomethyl]-benzimidazol-5-yl-carboxylic acid-N-(2-pyridyl)-N-(2-ethoxycarbonyl) amide	429658-95-7
11	Duloxetine HCl	De methyl Resolved Hydroxy Intermediate	(S)-3-(N-Methylamino)-1-(2-thienyl) propan-1-ol	116539-55-0
12	Edoxaban Tosylate	Edoxaban Base	N-(5-Chloro-2-pyridinyl)-N'-[(1S,2R,4S)-4-[(dimethylamino)carbonyl]-2-[[4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]cyclohexyl]-ethanediamide	480449-70-5
		Edoxaban HCl	N-(5-Chloro-2-pyridinyl)-N'-[(1S,2R,4S)-4-[(dimethylamino)carbonyl]-2-[[4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]cyclohexyl]-ethanediamide-	480448-29-1
13	Escitalopram Oxalate	Cyano Diol	4-[4-(Dimethyl amino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxyl methyl) benzonitrile	103146-25-4
		Cyano Diol HBr	4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)benzonitrile hydrobromide	103146-26-5
		Cyano Diol HCl	(4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)benzonitrile hydrochloride)	717133-25-0
		Resolved Salt	4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxy-1-butyl-3-hydroxymethyl-benzonitrile hemi -(+)-di-p-toluoyl-d-tartaric acid salt	128173-53-5
		Escitalopram Base	(s)-1-[3-(Dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5 carbonitrile	1332724-03-4
14	Fendizoic Acid	Fendizoic acid	2-(6-Hydroxybiphenylcarbonyl) benzoic acid	84627-04-3
15	Ipragliflozin	Bromo Intermediate	2-(5-Bromo-2-fluorobenzyl) benzo[b]thiophene	1034305-17-3
		Ipragliflozin (N-1)	(2R,3R,4R,5S,6S)-2-(Acetoxymethyl)-6-(3-(benzo[b]thiophen-2-ylmethyl)-4-fluorophenyl)-tetrahydro-2H-pyran-3,4,5-triyl triacetate	1034305-21-9
16	Lansoprazole	Lanso Sulphide	2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl)methyl]thio]-1Hbenzimidazole	103577-40-8
17	Levocitirizine Di HCl	Benzhydryl piperazine	(R)-1-[[4-Chlorophenyl]phenylmethyl]piperazine	300543-56-0
18	Linagliptin	Bromo Intermediate	8-Bromo-7-(but-2-ynyl)-3-methyl-1H-purine-2,6(3H,7H)-dione	666816-98-4
		Coupled Intermediate	8-Bromo-7-(but-2-ynyl)-3-methyl-1-((4-methylquinazolin-2-yl) methyl)-1H-purine-2,6(3H,7H)-dione	853029-57-9
19	Linezolid	Carbamate Intermediate	N-(Ethoxy carbonyl)-3-fluoro-4-morpholinyl aniline	565176-83-2
		Phthalimide Intermediate	(S)-Glycidyl phthalimide	161596-47-0
		Deacetamide Linezolid Phthalimide (Coupled compound)	(S)-N-[(3-[3-Fluoro-4-[4-morpholinyl] phenyl-2-oxo-5-oxazolidinyl)methyl] phthalimide	168828-89-5
20	Losartan potassium	Cyano Alcohol	4'-[(2-butyl-4-chloro-5-hydroxymethyl)-1H-imidazol-1-yl)methyl]-[1,1'-Biphenyl]-2-	114772-55-3
		Losartan Base	2-Butyl-4-chloro-1-[(2'-(1H-tetrazol-5-yl)biphenyl-4-yl)methyl]-5-(hydroxymethyl)imidazole	114798-26-4

LIST OF API INTERMEDIATES

S. No	API Name	Saleable Intermediate	Chemical Name	CAS Number
21	Memantine HCl	Br-DMA	1-Bromo-3,5-dimethyl adamantine	941-37-7
22	Mirabegron	Amine Compound	(R)-2-(4-Amino phenethylamino)-1-phenylethanol	391901-45-4
		Nitro Compound	(R)-2-(4-Nitro phenethylamino)-1-phenylethanol . HCl	521284-21-9
23	Omeprazole	Ome Sulphide	5-Methoxy-2-[[[3,5-dimethyl-4-methoxy pyridinyl)-methyl]thio]-1H-benzimidazole	73590-85-9
24	Olanzapine	Olanzapine Cyclic HCl	4-amino-2-methyl-10H-thieno [2,3-b] [1,5] benzodiazepine hydrochloride	138564-60-0
		Olanzapine Nitro	5-Methyl-2-[(2-nitrophenyl)amino]-3-thiophenecarbonitrile	138564-59-7
25	Olmesartan Medoxomil	Diethyl Ester	Diethyl 2-Propylimidazole-4,5-dicarboxylate	144689-94-1
		EPIC	Ethyl 4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-carboxylate	144689-93-0
		Trityl Olmesartan	4-(1-Hydroxy-1-methylethyl)-2-propyl-{4-[2-(trityltetrazol-5-yl)phenyl] phenyl} methylimidazole-5-carboxylicacid	761404-85-7
		Trityl Olmesartan Medoxomil	(5-Methyl-2-oxo -1,3-dioxolen-4-yl)methyl 4-(1-hydroxy-1-methylethyl)-2-propyl-1-{4-[2-(trityltetrazol-5-yl)phenyl]phenyl}methyl imidazole-5-carboxylate	144690-92-6
26	Paliperidone	Ketobase	3-(2-Chloroethyl)-2-methyl-9-hydroxy-6,7,8,9-tetrahydropyrido[1,2-a]pyrimidin-4-one	130049-82-0
27	Pantoprazole Sodium	Pantoprazole Sulphide	5-(Difluoromethoxy)-2-[[[3,4-dimethoxy-2-pyridinyl)-methyl]thio]-1H-benzimidazole	102625-64-9
		Pantoprazole Base	6-(difluoromethoxy)-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]sulfanyl]-1H-benzimidazole	102625-70-7
28	Pioglitazone HCl	Pio Thiozole Base	14. (Z)-5-(4-(2-(5-Ethylpyridin-2-yl)ethoxy)benzylidene)thiazolidine-2,4-dione	144809-28-9
29	Posaconazole	Phenyl Carbamate Intermediate	Phenyl 4-(4-(4-hydroxyphenyl)piperazin-1-yl) phenylcarbamate (Phenyl Carbamate)	184177-81-9
		Benzyloxy Pentane Intermediate	2-((2S,3S)-2-(benzyloxy)pentan-3-yl)-4-(4-(4-hydroxyphenyl) piperazin-1-yl)phenyl)-2H-1,2,4-triazol-3(4H)-one (Benzyloxy Pentane)	184177-83-1
		O-Benzyl Posaconazole Intermediate	4-(4-(4-(4-(((3R,5R)-5-((1H-1,2,4-triazol-1-yl)methyl)-5-(2,4-difluorophenyl)-tetrahydrofuran-3-yl)methoxy) phenyl) piperazin-1-yl)phenyl)-2-((2S,3S)-2-(benzyloxy)pentan-3-yl)-2H-1,2,4-triazol-3(4H)-one (Benzyl Posaconazole)	170985-86-1
30	Prasugrel	Pyridine Intermediate (CR-I)	4,5,6,7-Tetrahydrothieno[3,2-c] pyridine hydrochloride	28783-41-7
		THP-II	5,6,7,7a-Tetrahydrothieno[3,2-c] pyridin-2(4H)-one hydrochloride	115473-15-9
		Cyclopropyl Intermediate	2-Bromo-2-(2-fluorophenyl)-1-cyclopropyl ethanone	204205-33-4
		Prasugrel N-1 Intermediate	5-(2-Cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl)-5,6,7,7a-tetrahydrothieno[3,2-c]pyridin-2(4H)-one Hydrobromide	150322-38-6
31	Ranolazine	RAN-II	1-[(2,6-Dimethylphenyl)-aminocarbonylmethyl]piperazine	5294-61-1
		RIN-I	1-(2-Methoxyphenoxy)-2,3-epoxypropane	2210-74-4
32	Risperidone	F-BIP HCl	6-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole HCl	84163-13-3
		F-BIP	6-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole	84163-77-9
		CLMTPP	3-(2-Chloroethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one	63234-80-0
		CLMTPP HCl	(3-(2-Chloroethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one hydrochloride)	93076-03-0

LIST OF API INTERMEDIATES

S. No	API Name	Saleable Intermediate	Chemical Name	CAS Number
33	Rivaroxaban	Coupled Intermediate	(S)-2-(2-hydroxy-3-(4-(3-oxomorpholino)phenylamino)propyl)isoindoline-1,3-dione	1369969-44-7
		Cycloazed Compound	(S)-2-((2-oxo-3-(4-(3-oxomorpholino)phenyl) oxazolidin-5-yl)methyl)isoindoline-1,3-dione	446292-08-6
		Amine Compound	(S)-(2-oxo-3-(4-(3-oxomorpholino)phenyl) oxazolidin-5-yl)methanaminium chloride	898543-06-1
34	Rosuvastatin Calcium	Rosuvastatin Coupled	tert-Butyl 6-[(1E)-2-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[methyl(methylsulfonyl)amino]-5-pyrimidinyl]ethenyl]-2,2-dimethyl-1,3-dioxane-4-acetate	289042-12-2
35	Rupatadine Fumarate	Chloro Intermediate	3-(Chloromethyl)-5-methylpyridine hydrochloride	1007089-84-0
36	Sacubitril Sodium	Ethyl Ester Intermediate	(2S)-Ethyl 4-amino-5-(biphenyl-4-yl)-2-methylpentanoate hydrochloride	149690-12-0
37	Saxagliptin	Saxagliptin HCl	(1S,3S,5S)-2-[(2S)-Amino(3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl)acetyl]-2-azabicyclo[3.1.0]hexane-3-carbonitrile hydrochloride	709031-78-7
38	Sildenafil Citrate	Sil Amide	4-Nitro-1-methyl-3n-propyl pyrazole-5-carboxamide	139756-01-7
		Sil Amine HCl	4-Amino-1-methyl-3n-propylpyrazole-5-carboxamide HCl	247584-10-7
		Sil Coupled	4-[(2-Ethoxyphenyl) carbonylamino]-1-methyl-3npropylpyrazole-5-carboxamide	139756-03-9
		Sil Cyclized	5-(2-Ethoxyphenyl)-1-methyl-3-propyl-6-hydropyrazolo[4,5-d]pyrimidine-7-one	139756-21-1
		Sil Chlorosulphonyl	5-(5-Chlorosulfonyl-2-ethoxyphenyl)-1-methyl-3n-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]-pyrimidin-7-one	139756-22-2
		Sildenafil Base	1-[[3-(4,7-Dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-4-methylpiperazine	139755-83-2
39	Sumatriptan Succinate	Sumatriptan Base	3-[2-(Dimethylamino)ethyl]-N-methyl-1H-indole-5-methanesulfonamide	103628-46-2
40	Valsartan	Trityl valsartan Methyl Easter	3-Methyl-2-(N-((2'-(2-trityl-2,5-dihydro-1H-tetrazol-5-yl)biphenyl-4-yl)methyl)pentanamido)butanoic acid	195435-23-5
		Valsartan Barium Salt (RVS-I)	N-(1-Oxopentyl)-N-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]- L-valine barium salt	
41	Valsartan Sacubitril Sodium	Crystalline Form	Tri sodium salt of [3-((1S,3R)-1-biphenyl-4-ylmethyl-3-ethoxycarbonyl-1-butyl carbmoyl) propionate-(S)-3'-methyl-2'-(pentanoyl-{2''-(tetrazol-5-ylate)biphenyl-4'-yl methyl}amino)butyrate]	936623-90-4
		Amorphous	Tri sodium salt of [3-((1S,3R)-1-biphenyl-4-ylmethyl-3-ethoxycarbonyl-1-butyl carbmoyl) propionate-(S)-3'-methyl-2'-(pentanoyl-{2''-(tetrazol-5-ylate)biphenyl-4'-yl methyl}amino)butyrate]	936623-90-4