SHODHANA LABORATORIES

COMMERCIALIZED PRODUCTS

S.No.	Product	CAS No.	Pharmacopeia	Therapeutic Use	DMF Availability	COS
1	Carvedilol	72956-09-3	IP/Ph.Eur/BP/USP	Beta-Adrenergic Blocker	✓	✓
2	Citalopram Hydrobromide	59729-32-7	In-house/Ph.Eur /USP	Anti-Depressant	✓	✓
3	Duloxetine Hydrochloride	136434-34-9	In-house/ Ph.Eur /USP	Anti-Depressant	✓	✓
4	Escitalopram Oxalate	219861-08-2	In-house/IP/USP /Ph.Eur	Anti-Depressant	✓	UP*
5	Ondansetron	99614-02-5	IP/USP	Anti-Emetic	✓	
6	Ondansetron Hydrochloride Dihydrate	103639-04-9	In-house/IP/ Ph.Eur /USP	Anti-Emetic	✓	✓
7	Rivastigmine	123441-03-2	USP/ Ph.Eur	Nootropic	✓	✓
8	Rivastigmine Hydrogen Tartrate	129101-54-8	USP/ Ph.Eur	Nootropic	✓	UP*
9	Mizolastine	108612-45-9	In-house	Anti-Histamine	✓	
10	Carbidopa	28860-95-9	Ph.Eur/USP	Anti-Parkinson	✓	
11	Fluindione	957-56-2		Vitamin K antagonist	✓	

PRODUCTS UNDER COMMERCIALIZATION

1	Dapoxetine HCl	129938-20-1		Premature Ejaculation		
2	Raloxefine HCl	82640-04-8		Osteoporosis		
3	Rotigotine	92206-54-7		Anti-Parkinson		
4	Silodosin	160970-54-7		Benign Prostatic Hyperplasia		
5	Tolterodine Tartrate	124937-52-6		Overactive Bladder		
6	Varenicline Base	249296-44 4		Anti-Smoking		
7	Varenicline Tartrate	375815-87-5		Anti-Smoking		

*Under Process

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PRODUCTS UNDER PIPELINE

S.No.	Product	CAS No.	Therapeutic Use	API	Intermediates
1	Amtolmetin Guacil	87344-06-7	NSAID	✓	
2	Azilsartan	147403-03-0	Anti-Hypertensive		UD*
3	Bilastine	202189-78-4	Anti-Histamine		✓
4	Carvedilol Phosphate	610309-89-2	Beta-adrenergic Blocker	✓	
5	Cliastazole	73963-72-1	Intermittent Claudication		✓
6	Darifenacin HBr	133099-07-7	Urinary Incontinence		✓
7	Etofenamate	30544-47-9	NSAID		✓
8	Fesoterodine Fumarate	286930-03-8	Antimuscarinic		✓
9	Flibanserin	167933-07-5	Hypoactive Sexual Desire Disorder	✓	✓
10	Lacosamide	175481-36-4	Anti-Epileptic		✓
11	Repaglinide	135062-02-1	Anti-Diabetic		✓
12	Tapentadol HCl	175591-09-0	Pain Treatment		✓
13	Topiramate	97240-79-4	Epilepsy	✓	✓
14	Ranolazine	95635-55-5	Anti-Angina	UD*	✓
15	Sitagliptin	486460-32-6	Anti-Hyperglycemic		✓
16	Sofosbuvir	1190308-01-0	Anti-Psychotic		✓
17	Valsartan	137862-53-4	Anti-Hypertensive		✓
18	Vildagliptin	274901-16-5	Anti-Hyperglycemic		✓
19	Ziprasidone	146939-27-7	Anti-Psychotic		✓

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INTERMEDIATES

Tartaric Acid Derivatives

- (+)-Di-p-toluoyl-D-tartaric Acid
- (-)-Di-p-toluoyl-L-tartaric Acid
- (+)-Dibenzoyl-D-tartaric Acid
- (-)-Dibenzoyl-L-tartaric Acid
- Diethyl- D –Tartrate

Tolterodine Tartrate Intermediates

- 3-(2-Methoxy-5-methylphenyl)-3-phenylpropan-1-ol (CAS Number : 124937-73-1)
- 3,4-Dihydro-6-methyl-4-phenylchromen-2-one (CAS Number : 40546-94-9)
- 2-(3-(diisopropylamino)-1-phenylpropyl)-4-methylphenol (Racemic Tolterodine) (CAS No.124936-74-9)

Valsartan Intermediates

- L-Valine methyl ester hydrochloride (CAS No: 6306-52-1)
- N-[(2'-Cyanobiphenyl-4-methyl)-(L)-Valine methyl ester Hydrochloride (CAS No : 482577-59-3)
- L-Valine benzyl ester hydrochloride (CAS No: 2462-34-2)
- L-Valine benzyl ester p-toluene sulfonate (CAS No: 16652-76-9)

Vildagliptin Intermediates

- (S)-1-(2-chloroacetyl)pyrrolidine-2-carbonitrile (CAS No : 207557-35-5)

Others Products

- Orthopthalaldehyde
- 2 methyl 1,3 cyclohexane dione
- N- Phenyl Carbazole
- 3,6 Dibromo N Phenyl Carbazole
- N-Methyl-1-Naphthyl Methyl Amine Hcl
- S-Pyrrolidine-2-carbonitrile Hcl
- S-(+)-2 Phenyl Propionic Acid
- (S)-(-)-2-(3,4- Dimethoxybenzyl)-2-hydrazinyl Propionic Acid
- N-Boc-(S)-(-)-2-amino-1-butanol
- (2-Chlorophenyl)acetaldehyde

At Shodhana, we go the extra mile in creating value for our customers; as we believe we are the sum total of our Research and manufacturing excellence, our regulatory and product capabilities and...customer satisfaction.

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APR-2018/CBR

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INTERMEDIATES

Carvedilol Intermediates

- 1,3-Cyclohexanedione (CAS No: 504-02-9)
- 1,2,3,9-tetrahydro-4H-carbazol-4-one (CAS No: .15128-52-6)
- 4-Hydroxycarbazole (CAS No: 52602-39-8)
- 4-(2,3-Epoxypropoxy)carbazole (CAS No: 51997-51-4)
- 2-(2-Methoxyphenoxy)ethylamine (CAS No: 64464-07-9)
- N-(2-(2-Methoxyphenoxy)ethyl)benzylamine (CAS No: 3246-03-5)/ HCl (120606-08-8)
- 2-(2-(2-methoxyphenoxy)ethyl)-1H-isoindole-1,3(2H)-dione (CAS No : 26646-63-9)

Citalopram / Escitalopram Intermediates

- 4-[(4'-Dimethyl amino)-1-(4"-fluorophenyl)-1-hydroxy butyl)-3-(hydroxy methyl) benzonitrile (CAS No: 103146-25-4)
- 4-[(4'-Dimethyl amino)-1-(4"-fluorophenyl)-1-hydroxy butyl)-3-(hydroxy methyl) benzonitrile Hbr (CAS No : 103146-26-5)
- 4-[(4'-Dimethyl amino)-1-(4"-fluorophenyl)-1-hydroxy butyl)-3-(hydroxy methyl) benzonitrile HCl (CAS No: 717133-25-0)
- 4[(4'-Dimethyl amino)-1-(4"-fluorophenyl)-1hydroxy butyl)-3-(hydroxy methyl)benzonitrileOxalate (CASNo:717133-32-9
- 1-[3-(Dimethylamino)-propyl)-1-(4-fluoro phenyl)-5-phthalan carbonitrile HCl (CAS No: 85118-27-0)
- 1-(4'-Fluoro phenyl)-1,3-dihydro iso benzofuran-5-carbonitrile (CAS No: 64169-67-1)
- 1-(4-bromo-2-(hydroxymethyl)phenyl)-4-(dimethylamino)-1-(4-fluorophenyl) butan-1-ol oxalate
- 3-N,N'-(dimethylamino)propyl chloride Hydrochloride (CAS No: 5407-04-5)
- 1-[3-(dimethylamino)propyl)-1-(4-fluorophenyl)1,3-dihydroisobenzofuran-5-carbonitrile (CAS No:59729-33-8)
- 5-Bromo-1-(3-dimethyl amino propyl) –1-(4'fluoro phenyl)-1,3-dihydro isobenzofuran oxalate

Duloxetine Intermediates

- RS-N,N-Dimethyl-3-hydroxy-3-(2-thienyl)-1-propanamine (CAS No: 13636-02-7)
- S(-)-N,N-Dimethyl-3-hydroxy-3-(2-thienyl)-1-propanamine (CAS No: 132335-44-5)
- S-(+)-N,N-Dimethyl-3-(1-Naphthalenyloxy)-3-(2-thienyl)-1-propanamine oxalate (CAS No: 132335-47-8)
- RS-N,N- Dimethyl-3-(1-Naphthalenyloxy)-3-(2-thienyl)-1-propanamine oxalate (CAS No: .116817-12-0)
- (N,N-dimethyl-3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propan-1-amine Fumarate
- N-Methyl-3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propan-1-amine Oxalate (Racemic Duloxetine Oxalate)

Ondansetron Hydrochloride Dihydrate

- 1,2,3,9-tetrahydro-4H-carbazol-4-one (CAS No: .15128-52-6)
- 9-Methyl-1,2,3,9-tetra hydro 4H carbazol-4-one (CAS No: 27387-31-1)
- 3-[(NN-Dimethyl amino) methyl]-9-methyl-1,2,3,9-tetra hydro 4H-carbazol-4-one hydrochloride (CAS No: 119812-29-2)

INTERMEDIATES

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Rivastigmine Intermediates

- α-(meta hydroxy phenyl) ethyldimethyl amine (CAS No: 105601-04-5) /HCl(CAS No: 5441-61-2)
- S (+)-α meta hydroxy phenyl)ethyl dimethyl amine (CAS No: 139306-10-8)

Ziprasidone Intermediates

- 6-Chloroindolin-2-one (CAS No: 56341-37-8)
- 6-Chloro-5-(2-chloroethyl)indolin-2-one (CAS No: 118289-55-7)

Bilastine Intermediates

- 2-Ethoxyethyl-4-methylbenzenesulfonate (CAS No:17178-11-9)
- 2-Piperidin-4-yl-1H-benzoimidazole (CAS No:38385-95-4)

Carteolol Intermediates

- 3,4-dihydro-5-hydroxyquinolin-2(1H)-one (CAS No:. 30389-33-4)
- 5-[(oxiran-2-yl)methoxy]-3,4-dihydroquinolin-2(1H)-one (CAS No.: 51781-14-7)

Cilastazole Intermediates

- 6-Hydroxy-3,4-dihydro-2(1H)-quinolinone (CAS No:54197-66-9)

Dapoxetine HCl Intermediates

- 3-Chloro-1-phenylpropan-1-ol (CAS No: 100306-33-0)
- Racemic Dapoxetine Oxalate
- Racemic Dapoxetine Hydrochloride (CAS No: 1071929-03-7)
- Dapoxetine Base (CAS No: 119356-77-3)

Darifenacin Intermediates

- 2,2-Diphenyl-2-[(R)-pyrrolidin-3-yl]acetonitrile hydrobromide (CAS Number : 194602-27-2)
- 3-(S)-(+)-(1-carbamoyl-1,1-diphenylmethyl) pyrrolidine - L-(+)-tartrate (CAS No : 134002-26-9)
- 5-(2-chloroethyl)-2,3-dihydrobenzofuran (CAS No :943034-50-2)
- 5-(2-bromoethyl)-2,3-dihydrobenzofuran (CAS No: 127264-14-6)

D- Serine Derivatives

- D Serine Methyl ester Hcl
- N-BOC-D-Serine Methyl Ester

L Valine Derivatives

- L Valine Methyl ester HCL
- N-CbZ-L-Valine
- L Valinamide Hcl
- N BOC L Valine

INTERMEDIATES

L Proline Derivatives

- L Prolinamide
- N-BOC-L-Proline
- N-BOC-Prolinamide
- L-Proline Methyl Ester Hcl
- N-CBZ-L-Proline

L Alanine Derivatives

- L Analine Methyl Ester
- (S)-3- Chloroalanine Methyl Ester HCl

Lacosamide Intermediates

- Boc-D-Serine (CAS Number: 6368-20-3)
- Boc-O-Methyl-D-serine (CAS number: 86123-95-7)
- (R)-tert-Butyl 1-(benzylamino)-3-methoxy-1-oxopropan-2-ylcarbamate (CAS Number : 880468-89-3)
- (R)-2-amino-N-benzyl-3-methoxypropanamide (CAS Number: 196601-69-1)
- N-Cbz-D-Serine (CAS Number: 6081-61-4)
- (R)-N-benzyl-2-(benzyloxycarbonylamino)-3-hydroxypropionamide (CAS Number: 219835-31-1)

Lidocaine Intermediate

- 2-chloro-N-(2,6-dimethylphenyl)acetamide (CAS No: 1131-01-7)

Nebivolol Intermediates

- (RS)- 6-Fluoro-3,4-dihydro-2H-1-benzopyran-2-carboxylic acid
- (S)- 6-Fluoro-3,4-dihydro-2H-1-benzopyran-2-carboxylic acid (CAS Number : 129101-36-6)
- ®)-6-Fluoro-3,4-dihydro-2H-1-benzopyran-2-carboxylic acid (CAS Number :129101-37-7)
- (6-fluoro-3,4-dihydro-2H-1-benzopyran-2-yl)(piperidin-1-yl)methanone (CAS Number : 878208-57-2)
- 6-Fluoro-3,4-dihydro-2-oxiranyl-2H-1-benzopyran (Mixture of Two Diastereomers) (CAS No : 99199-90-3)
- 2-(benzylamino)-1-(6-fluorochroman-2-yl)ethanol
- N-Benzyl Nebivolol Hydrochloride

Racecadotril Intermediates

- Diethyl-2-benzylmalonate (CAS No: : 607-81-8)
- 2-Benzylacrylic acid (CAS No: 5669-19-2)
- Glycine benzyl ester P-toluene sulfonic acid (CAS No: 1738-76-7)
- Dimethyl-2-benzylmalonate (CAS No: :6626-84-2)

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INTERMEDIATES

Raloxefine HCl Intermediates

- 4-[2-(PIPERIDIN-1-YL)ETHOXY]BENZOIC ACID HYDROCHLORIDE (CAS No:84449-80-9)
- 6-Methylsulfonyloxy-2-[(4-methyl sulfonyloxy) phenyl] benzothiophene (CAS No:84449-65-0)

Ranolazine Intermediates

- N-(2,6-dimethylphenyl)-2-(piperazin-1-yl)acetamide (CAS No.: 5294-61-1)
- 2-[(2-methoxyphenoxy)methyl]oxirane (CAS No: 2210-74-4)

Repaglinide Intermediates

- (S)-3-Methyl-1-(2-piperidin-1-ylphenyl)butylamine N-Acetyl-L-glutamate (CAS Number: 219921-94-5)
- (S)-3-Methyl-1-(2-piperidin-1-ylphenyl)butylamine (CAS Number : 147769-93-5)
- (S)-Repaglinide Ethyl Ester (CAS Number: 147770-06-7)

Rotigotine Intermediates

- (S)-1,2,3,4-tetrahydro-5-methoxynaphthalen-2-amine Mandelate
- 2-(Thiophen-2-yl)ethyl 4-methylbenzenesulfonate
- (S)-1,2,3,4-tetrahydro-5-methoxy-N-[2-(thiophen-2-yl)ethyl]naphthalen-2-amine hydrochloride

Silodosin Intermediates

- 2-(2-(2,2,2-trifluoroethoxy)-phenoxy)-ethyl methanesulfonate---- CAS No.-160969-03-9
- 5-[(2R)-2-Aminopropyl]-1-[3-(Benzoyloxy)propyl]-2,3-dihydro - 1H-indole-7-carbonitrile(2R,3R)-2,3-dihydroxy butanedioate (CAS No. 239463-85-5)
- 1-[3-(Benzoyloxy)propyl]-2,3-dihydro-5-[(2R)-2-[[2-(2,2,2-trifluoroethoxy)phenoxy] ethyl]amino]propyl]-1H-indole-7-carbonitrile (CAS No. 885340-11-4)
- 1H-Indole-7-carbonitrile, 2,3-dihydro-1-(3-hydroxypropyl)-5-[(2R)-2-[[2-(2,2,2-trifluoroethoxy)ph enoxy]ethyl]amino]propyl] (CAS No. 885340-13-6)

Sitagliptin Intermediates

- 3-(trifluoromethyl)-5,6,7,8-tetrahydro-[1,2,4]triazolo[4,3-a]pyrazine hydrochloride (CAS No : 762240-92-6)
- 1-[3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]-4-(2,4,5-trifluorophenyl)butane-1,3-dione /(2Z)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo [4,3-a]pyrazine-7(8H)-yl]-1-(2,4,5-trifluorophenyl)butan-2-one (CAS No: 764667-65-4)

Sofosbuvir Intermediates

- L-Alanine Isopropyl ester hydrochloride (CAS No : 39825-33-7)

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NEW PRODUCTS UNDER CONSIDERATION

1. Abiraterone Acetate
2. Alogliptin
3. Aprepitant
4. Bazedoxifene Acetate
5. Bosentan
6. Canagliflozin
7. Dabigatran
8. Dimethyl Fumarate
9. Empagliflozin
10. Enzalutamide
11. Ezetimibe
12. Fingolimod hydrochloride
13. Lenalidomide
14. Lurasidone hydrochloride
15. Memantine hydrochloride
16. Mirabegron
17. Palbociclib
18. Paliperidone Palmitate
19. Pirfenidone
20. Rivaroxaban
21. Sacubitril
22. Salmeterol
23. Ticagrelor
24. Vortioxetine

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