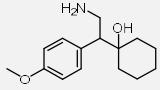
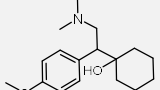
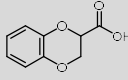
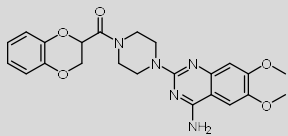
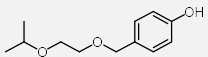
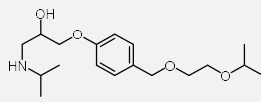
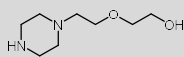
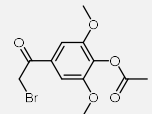
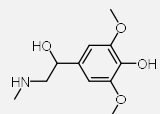
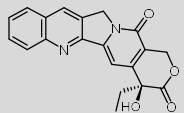
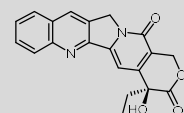
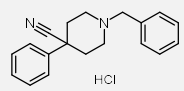
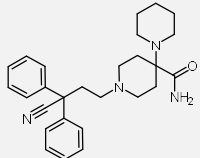
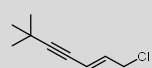
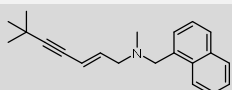
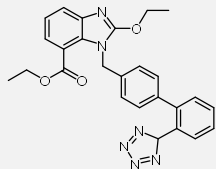
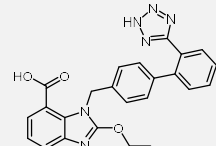
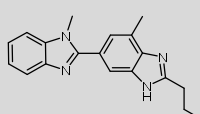
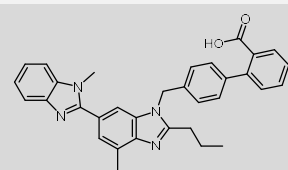


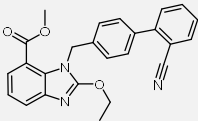
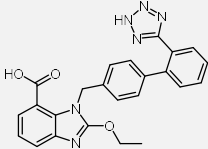
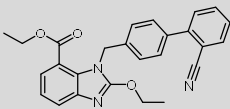
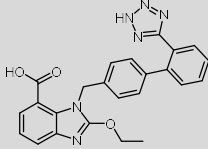
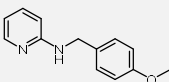
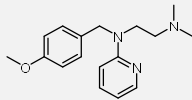
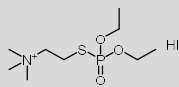
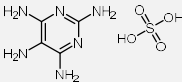
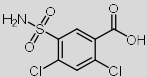
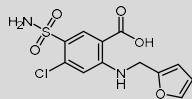
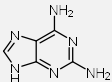
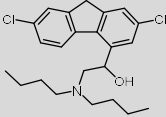
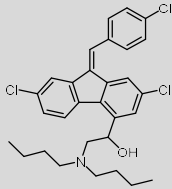
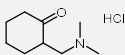
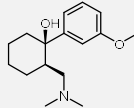
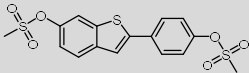
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
1-(2-Amino-1-[(4-methoxy-2-(phenylethyl)]-cyclohexanol		93413-77-5	Venlafaxine	
1,4-Benzodioxan-2-carboxylic acid		3663-80-7	Doxazosin	
1-[(4-Isopropoxy)-ethoxymethyl]-hydroxybenzene		177034-57-0	Bisoprolol	
1-[2-(2-Hydroxyethoxy)ethyl]piperazine		13349-82-1	- Dixyrazine - Quetiapine fumarate	Multiple API targets
1-[4-(acetyloxy)-3,5-dimethoxyphenyl]-2-Bromoethanone		28294-48-6	Dimetofrine	
10-OH-camptothecin		7689-03-4	Camptothecin	
1-Benzyl-4-cyano-4-phenylpiperidine hydrochloride		71258-18-9	Piritramide	
1-Chloro-6,6-Dimethyl-2-Hepten-4-Yne		126764-17-8	Terbinafine	
1H-benzimidazole- 7-carboxylic acid 2-ethoxy-1-[(2'-(1H-tetrazol-5-yl)-1,1'-biphenyl -4-yl)methyl]-ethyl ester		139481-58-6	Candesartan	
1-methyl-2-(7-methyl-2-propyl-1H-benzo[d]imidazole-5-yl)-1H-benzo[d]imidazole		152628-02-9	Telmisartan	

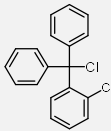
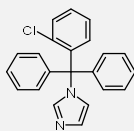
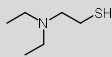
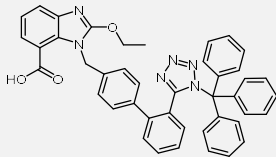
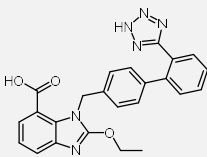
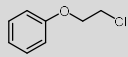
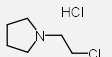
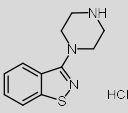
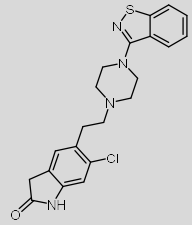
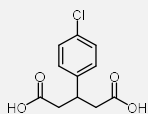
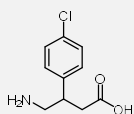
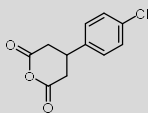
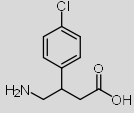
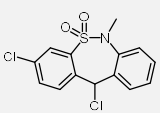
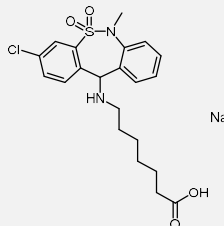
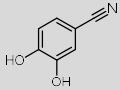
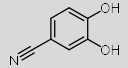
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
1-[(2'-Cyano-1,1'-biphenyl-4-yl)methyl]-2-ethoxy-7-benzimidazolecarboxylic Acid Methyl Ester		139481-44-0	Candesartan	
2 Ethoxy 1 2'' Cyano 1 1'' Biphenyl 4 yl Methyl 1H valeroyl-Benzimidazole 7 Carboxylic acid Ethyl Ester		139481-41-7	Candesartan	
2-(4-methoxy benzylamino)-pyridine		52818-63-0	Pyrilamine	
2-(Dimethylamino)-ethanethiol hydrochloride		13242-44-9	Echothiophate iodide	
2,4,5,6-Tetraaminopyrimidine sulfate		5392-28-9	• 2,4,5,6-Tetrachloropyrimidine • Lumazine • Methotrexate	Multiple API targets
2,4-Dichloro-5-sulfamoylbenzoic acid		2736-23-4	Furosemide	
2,6-Diaminopurine		1904-98-9	• (2S-cis)-5-(6-Amino-2-fluoro-9H-purin-9-yl)-tetrahydro-2-furanmethanol • Fludarabine • Fludarabine phosphate	Multiple API targets
2,7-Dichloro-α-[(dibutylamino)methyl]-9 H fluorine-4-methanol		69759-61-1	Lumefantrine	
2-[(Dimethylamino)-methyl]-cyclohexanone hydrochloride		42036-65-7	• Tramadol • Tramadol hydrochloride	
2-[4-[(methylsulfonyl)oxy]phenyl]-Benzo[b] thiophene-6-ol 6-methanesulfonate		84449-65-0	• Nitronaproxen • Raloxifene	Multiple API targets

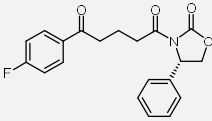
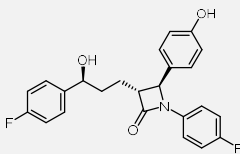
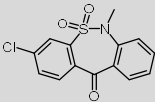
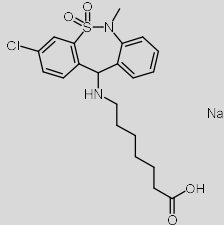
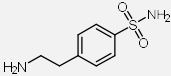
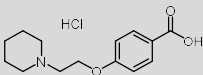
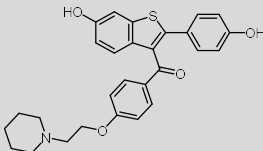
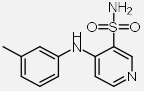
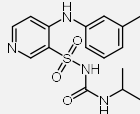
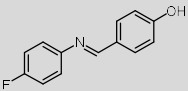
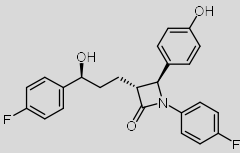
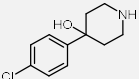
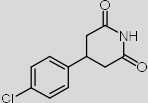
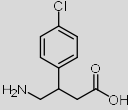
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
2-Chlorotriphenylchloromethane		42074-68-0	Clotrimazole	
2-Diethylaminoethanethiol		100-38-9	- Dalfopristin - Fencarbamide - Thiphenamil hydrochloride	Multiple API targets
2-ethoxy-1-[(2'-(1-trityl-1H-tetrazol-5-yl)-1,1'-biphenyl-4-yl)methyl]-7-benzimidazolecarboxylic acid		139481-72-4	Candesartan	
2-Phenoxy Ethyl Chloride		622-86-6	- Bephenium 3-hydroxy-2-naphthoate - Idoxifene	Multiple API targets
2-Pyrrolidinoethyl chloride hydrochloride		7250-67-1	- Centchroman - Histapyrrodine	Multiple API targets
3-(1-Piperazinyl)-1,2-benzisothiazole hydrochloride		87691-88-1	- Ziprasidone - Ziprasidone hydrochloride	
3-(4-Chlorophenyl)-glutaric acid		1189874-68-7	Baclofen	
3-(4-Chlorophenyl)-glutaric anhydride		53911-68-5	Baclofen	
3,11-dichloro-6,11-dihydro-6-methyldibenzo [c,f] [1,2] thiazepine 5,5 dioxide		26638-66-4	Tianeptine sodium	
3,4-Dihydroxy Benzonitrile		17345-61-8	Protocatechuonitrile	

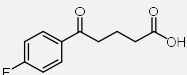
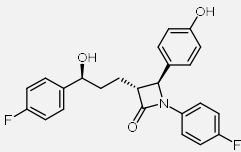
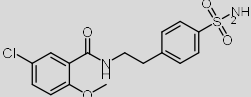
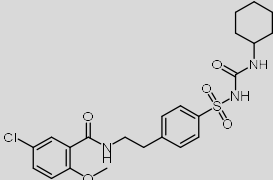
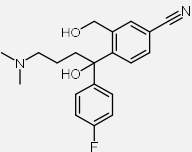
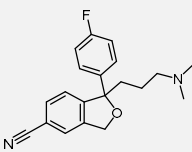
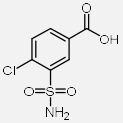
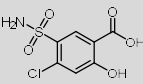
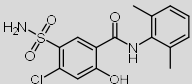
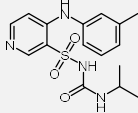
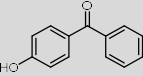
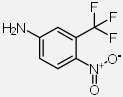
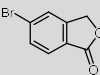
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
3-[5-(Fluorophenyl)-1,5-dioxopentyl]-4(S)-phenyl-2-oxazolidinone		189028-93-1	Ezetimibe	
3-Chloro-6,11-dihydro-6-methyl-5,5,11-trioxodibenzo [c,f][1,2]thiazepine		26638-53-9	Tianeptine sodium	
4-(2-Aminoethyl)-benzenesulfonamide		35303-76-5	• Glimepiride • Glipizide • Gliquidone • Glisentide • Glisolamide • Glisoxepid • Glyburide	Multiple API targets
4-(2-Piperidinoethoxy)-benzoic acid hydrochloride		84449-80-9	Raloxifene	
4-(3-Methyl-phenyl)amino-3-pyridine sulfonamide		72811-73-5	Torsemide	
4-(((4-Fluorophenyl)imino)methyl)phenol		3382-63-6	Ezetimibe	
4-(4-Chlorophenyl)-4-piperidinol		39512-49-7	• Haloperidol • Loperamide • Loperamide hydrochloride • Loperamide oxide	Multiple API targets
4-(4-Chlorophenyl)-glutarimide		84803-46-3	Baclofen	

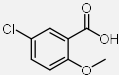
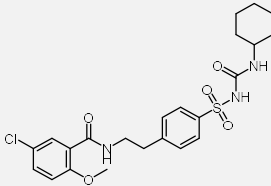
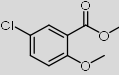
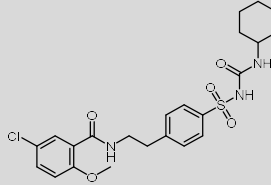
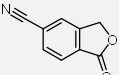
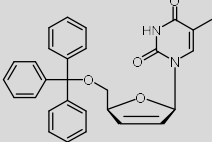
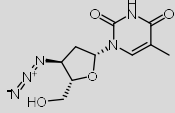
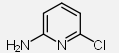
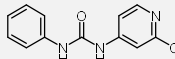
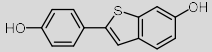
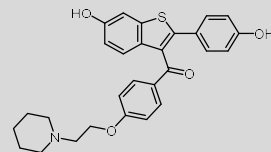
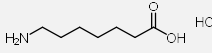
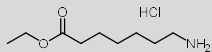
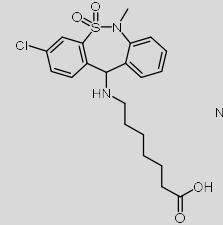
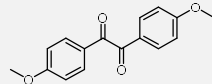
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
4-(4-Fluorobenzoyl)-butyric acid		149437-76-3	Ezetimibe	
4-[2-(5-Chloro-2-methoxybenzamido)-ethyl]-phenyl sulfonamide		16673-34-0	Glyburide	
4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-(hydroxybutyl)-3-(hydroxymethyl)benzonitrile		103146-25-4	Citalopram	
4-Aminopyridine		504-24-5	4-(Dimethylamino)-pyridine - Indibulin - Lexipafant - Milverine - Octenidine hydrochloride - Oglemilast - Pinacidil - Roflumilast - Sulfadoxine	Multiple API targets
4-Chloro-3-sulfamoylbenzoic acid		1205-30-7	- Clopamide - Tripamide	Multiple API targets
4-Chloro-5-sulfamoylsalicylic acid		14556-98-0	Xipamide	
4-Hydroxy-3-pyridinesulfonic acid		51498-37-4	Torseamide	
4-Hydroxybenzophenone		1137-42-4	- Clomiphene - Tamoxifen - Toremifene	Multiple API targets
5-Amino-2-nitrobenzotrifluoride		393-11-3	- Fluridil - Flutamide - Nilutamide	Multiple API targets
5-Bromophthalide		64169-34-2	- Citalopram - Citalopram hydrobromide	Multiple API targets

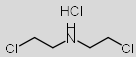
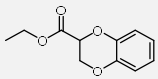
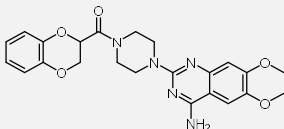
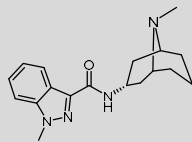
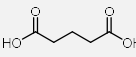
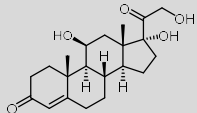
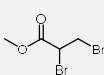
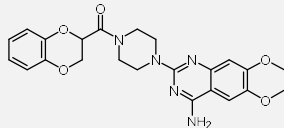
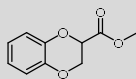
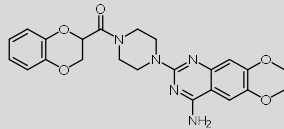
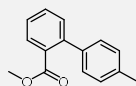
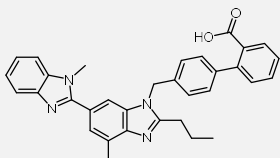
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
5-Chloro-o-anisic acid		3438-16-2	Glyburide	
5-Chloro-o-anisic acid methyl ester		33924-48-0	Glyburide	
5-Cyanophthalide		82104-74-3	- Citalopram - Escitalopram	Multiple API targets
5'-O-Trityl-2,3'-anhydrothymidine		5964-41-0	Zidovudine	
6-Amino-2-chloropyridine		45644-21-1	N-(2-Chloro-4-pyridinyl)-N'-phenylurea	
6-Hydroxy-2-(4-hydroxyphenyl) benzo (b) thiophene		63676-22-2	Raloxifene	
7-Aminoheptanoic acid hydrochloride		62643-56-5	- Amineptine - Amineptine hydrochloride - Tianeptine sodium	Multiple API targets
7-Aminoheptanonic Acid ethyl ester hydrochloride		29840-65-1	Tianeptine sodium	
Anisil		1226-42-2	- Flumizole - Idanpramine	Multiple API targets

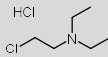
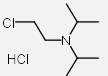
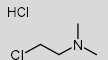
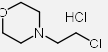
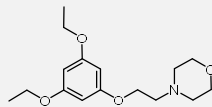
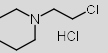
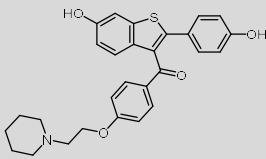
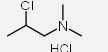
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
Bis-(2-chloroethyl)-amine hydrochloride		821-48-7	1-(4-Methoxyphenyl)-piperazine - Cyclophosphamide - Estramustine phosphate - Itraconazole - Ketoconazole - N-Phenylpiperazine	Multiple API targets
Ethyl-1,4-benzodioxane-2-carboxylate		4739-94-0	Doxazosin	
Glutaric anhydride		108-55-4	Granisetron	
Glutaric acid		110-94-1	2,6-Diaminopyridine - Gusperimus trihydrochloride	Multiple API targets
Hydrocortisone		50-23-7	Corticosteroids	N/A
Methyl 2,3-dibromopropionate		1729-67-5	Doxazosin	
Methyl 2,3-dihydro-1,4-benzodioxine-2-carboxylate		3663-79-4	Doxazosin	
Methyl-4-methyl biphenyl-2-carboxylate		114772-34-8	Telmisartan	

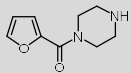
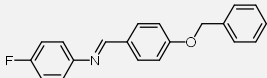
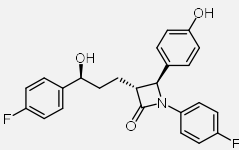
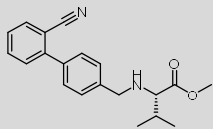
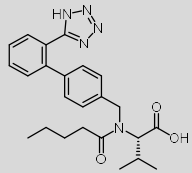
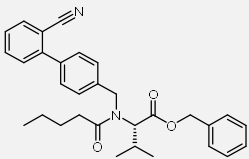
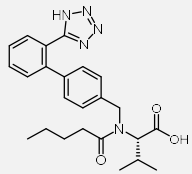
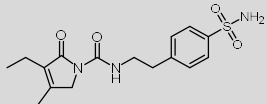
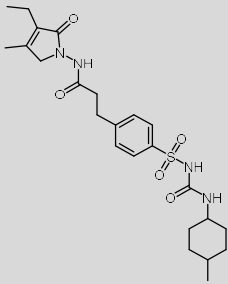
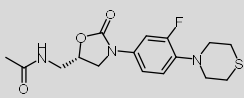
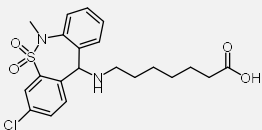
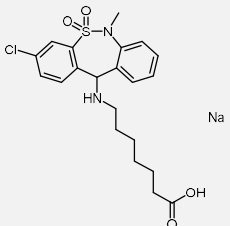
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
N-(2-Chloroethyl)-diethylamine hydrochloride		869-24-9	• 5-(Diethylamino)-2-pentanone • Amiodarone • Butethamate • Butoxycaine hydrochloride • Camylofine • Caroverine • Chloroquine • Chromonar • Diethazine hydrochloride • Diethylaminoethyl cellulose • Doxylamine • Flurazepam • Lucanthone • Nafronyl • Tirobramide	Multiple API targets
N-(2-Chloroethyl)-diisopropylamine hydrochloride		4261-68-1	• Diisopromine • Disopyramide • Isopropamide iodide	Multiple API targets
N-(2-Chloroethyl)-dimethylamine hydrochloride		4584-46-7	• 1-(2-Dimethylaminoethyl)-5-mercaptopotrazole • Bephenium 3-hydroxy-2-naphthoate • Brompheniramine • Carbinoxamine • Chloropyramine • Chlorpheniramine • Chlorphenoxamine • Dibenzepin hydrochloride • Dimethindene • Doxylamine • Meclofenoxate • Pheniramine maleate • Phenyltoloxamine • Pylramine • Tibezoneium iodide • Tripeleennamine	Multiple API targets
N-(2-Chloroethyl)-morpholine hydrochloride		3647-69-6	Floredil	
N-(2-Chloroethyl)-piperidine hydrochloride		2008-75-5	Raloxifene	
N-(2-Chloropropyl)-dimethyl amine hydrochloride		4584-49-0	• Isothipendyl hydrochloride • Methadone	Multiple API targets

INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
N-(2-Furoyl)-piperazine		40172-95-0	- Prazosin - Prazosin hydrochloride - Terazosin	Multiple API targets
N-(4-(Benzyloxy)benzylidene)-4-fluoroaniline		70627-52-0	Ezetimibe	
N-(2'-Cyanobiphenyl-4-ylmethyl)-L-valine methyl ester		137863-89-9	Valsartan	
N-(2'-Cyanobiphenyl-4-ylmethyl)-N-pentanoyl-L-valine benzyl ester		N/A	Valsartan	
N-[4-[2-(3-ethyl-4-methyl-2-oxo-3-pyrroline-1-carboximido) ethyl Benzene sulphonamide		119018-29-0	Glimepiride	
Sodium butyrate		156-54-7	- Iophenoxic acid - Sodium butyrate	Multiple API targets
Thiomorpholine		123-90-0	Sutezolid	
Tianeptine Acid		66981-73-5	Tianeptine sodium	

Disclaimers

Some of the products listed are currently under development and therefore pertinent information may not be available at this time. Any product listed which is covered under current patents is available only for use reasonably related to the development and submission of information to the relevant Health Authorities to the extent permitted under applicable laws regulating the manufacture, use and sale of Active Pharmaceutical Ingredients, and/or their intermediates.

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INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE