

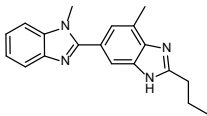
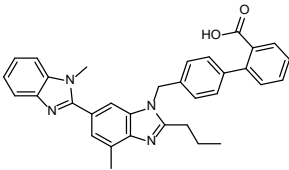
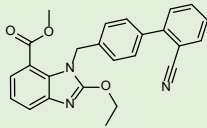
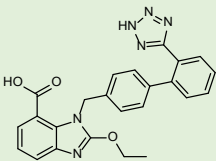
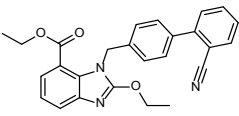
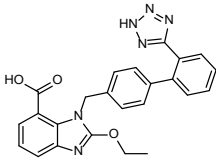
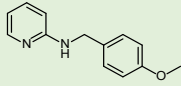
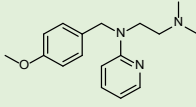

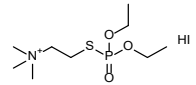
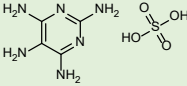
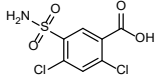
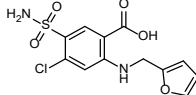
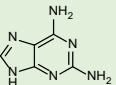
INTERMEDIATES

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	<ul style="list-style-type: none"> 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	

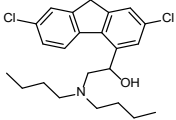
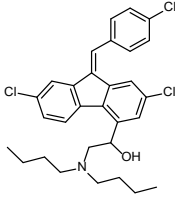
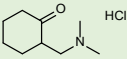
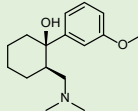
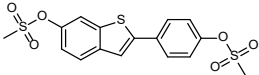
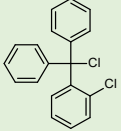
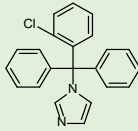
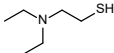
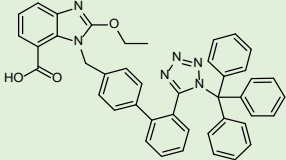
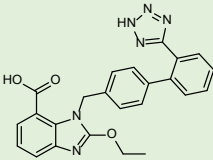
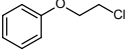
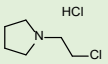
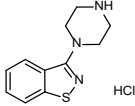
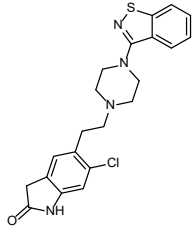
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
1-methyl-2-(7-methyl-2-propyl-1H-benzo[d]imidazole-5-yl)-1H-benzo[d]imidazole		152628-02-9	Telmisartan	
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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • (2S-cis)-5-(6-Amino-2-fluoro-9H-purin-9-yl)-tetrahydro-2-furanmethanol • Fludarabine • Fludarabine phosphate 	Multiple API targets

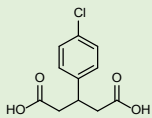
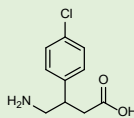
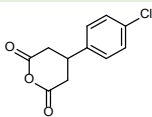
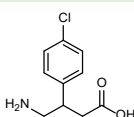
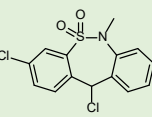
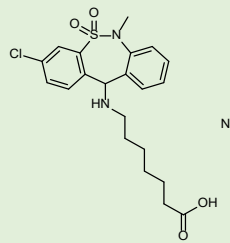
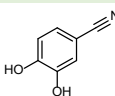
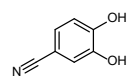
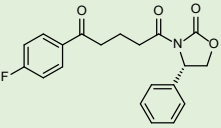
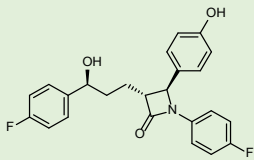
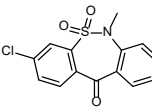
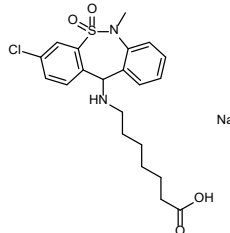
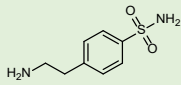
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
2,7-Dichloro- α -[(dibutylamino)methyl]- 9 H fluorine-4-methanol		69759-61-1	Lumefantrine	
2-[(Dimethylamino)-methyl]-cyclohexanone hydrochloride		42036-65-7	<ul style="list-style-type: none"> • Tramadol • Tramadol hydrochloride 	
2-[4-[(methylsulfonyl)oxy]phenyl]-Benzo[b] thiophene-6-yl 6-methanesulfonate		84449-65-0	<ul style="list-style-type: none"> • Nitronaproxen • Raloxifene 	Multiple API targets
2-Chlorotriphenylchloromethane		42074-68-0	Clotrimazole	
2-Diethylaminoethanethiol		100-38-9	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Bephenium 3-hydroxy-2-naphthoate • Idoxifene 	Multiple API targets
2-Pyrrolidinoethyl chloride hydrochloride		7250-67-1	<ul style="list-style-type: none"> • Centchroman • Histapyrrodine 	Multiple API targets
3-(1-Piperazinyl)-1,2-benzisothiazole hydrochloride		87691-88-1	<ul style="list-style-type: none"> • Ziprasidone • Ziprasidone hydrochloride 	

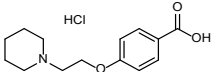
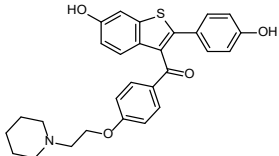
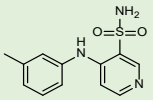
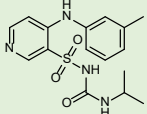
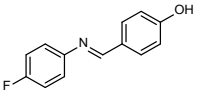
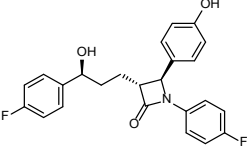
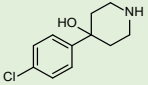
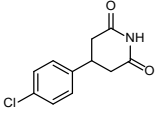
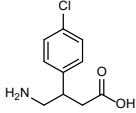
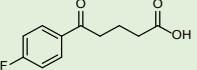
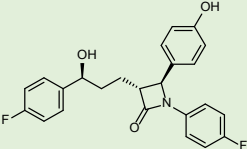
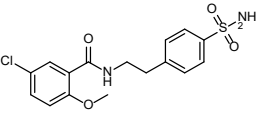
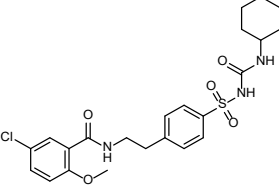
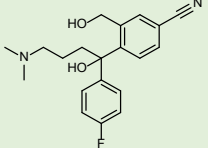
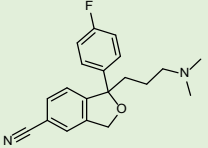
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
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-methyl-5,5-dioxido		26638-66-4	Tianeptine sodium	
3,4-Dihydroxy Benzonitrile		17345-61-8	Protocatechuonitrile	
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	<ul style="list-style-type: none"> • Glimepiride • Glipizide • Gliquidone • Glisentide • Glisolamide • Glisoxepid • Glyburide 	Multiple API targets


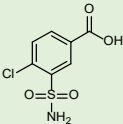
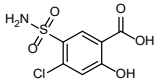
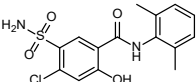

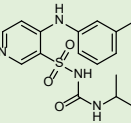
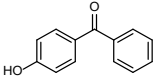
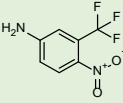
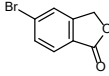
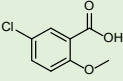
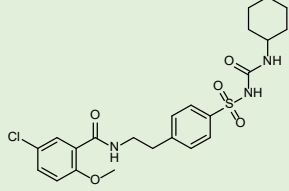
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
4-(2-Piperidinoethoxy)-benzoic acid hydrochloride		84449-80-9	Raloxifene	
4-(3-Methyl-phenyl)amino-3-pyridine sulfonamide		72811-73-5	Torse mide	
4-(((4-Fluorophenyl)imino)methyl)phenol		3382-63-6	Ezetimibe	
4-(4-Chlorophenyl)-4-piperidinol		39512-49-7	<ul style="list-style-type: none"> • Haloperidol • Loperamide • Loperamide hydrochloride • Loperamide oxide 	Multiple API targets
4-(4-Chlorophenyl)-glutarimide		84803-46-3	Baclofen	
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	

INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
4-Aminopyridine		504-24-5	<ul style="list-style-type: none"> 4-(Dimethylamino)-pyridine Indibulin Lexipafant Milverine Octenidine hydrochloride Oglemilast Pinacidil Roflumilast Sulfadoxine 	Multiple API targets
4-Chloro-3-sulfamoylbenzoic acid		1205-30-7	<ul style="list-style-type: none"> Cloпамide 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	<ul style="list-style-type: none"> Clomiphene Tamoxifen Toremifene 	Multiple API targets
5-Amino-2-nitrobenzotrifluoride		393-11-3	<ul style="list-style-type: none"> Fluridil Flutamide Nilutamide 	Multiple API targets
5-Bromophthalide		64169-34-2	<ul style="list-style-type: none"> Citalopram Citalopram hydrobromide 	Multiple API targets
5-Chloro-o-anisic acid		3438-16-2	Glyburide	

INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
5-Chloro-o-anisic acid methyl ester		33924-48-0	Glyburide	
5-Cyanophthalide		82104-74-3	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Amineptine Amineptine hydrochloride Tianeptine sodium 	Multiple API targets
7-Aminoheptanoic Acid ethyl ester hydrochloride		29840-65-1	Tianeptine sodium	
Anisil		1226-42-2	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	

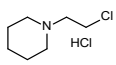
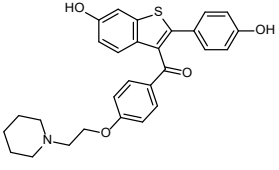

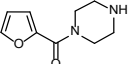
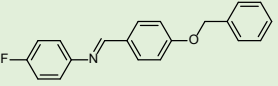
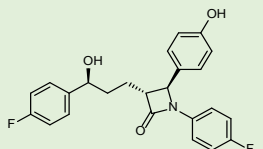
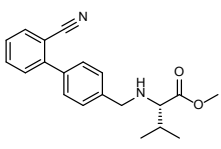
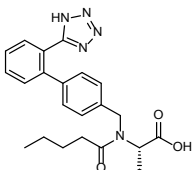
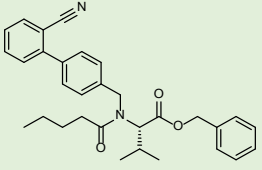
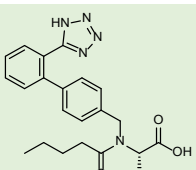
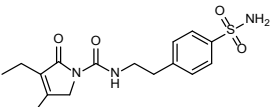
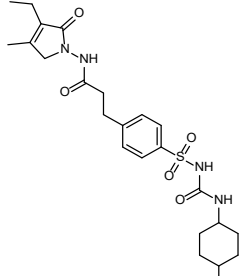
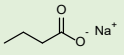
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
N-(2-Chloroethyl)-diethylamine hydrochloride		869-24-9	<ul style="list-style-type: none"> • 5-(Diethylamino)-2-pentanone • Amiodarone • Butethamate • Butoxycaine hydrochloride • Camylofine • Caroverine • Chloroquine • Chromonar • Diethazine hydrochloride • Diethylaminoethyl cellulose • Doxylamine • Flurazepam • Lucanthone • Nafronyl 	Multiple API targets
N-(2-Chloroethyl)-diisopropylamine hydrochloride		4261-68-1	<ul style="list-style-type: none"> • Diisopromine • Disopyramide • Isopropamide iodide 	Multiple API targets
N-(2-Chloroethyl)-dimethylamine hydrochloride		4584-46-7	<ul style="list-style-type: none"> • 1-(2-Dimethylaminoethyl)-5-mercaptotetrazole • Bephenium 3-hydroxy-2-naphthoate • Brompheniramine • Carbinoxamine • Chloropyramine • Chlorpheniramine • Chlorphenoxamine • Dibenzepin hydrochloride • Dimethindene • Doxylamine • Meclofenoxate • Pheniramine maleate • Phenyltoloxamine • Ppyrilamine • Tibeazonium iodide • Tripeleminamine 	Multiple API targets
N-(2-Chloroethyl)-morpholine hydrochloride		3647-69-6	Floredil	


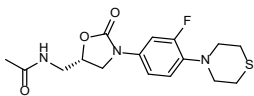
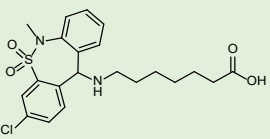
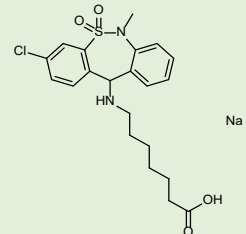
INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
N-(2-Chloroethyl)-piperidine hydrochloride		2008-75-5	Raloxifene	
N-(2-Chloropropyl)-dimethyl amine hydrochloride		4584-49-0	<ul style="list-style-type: none"> • Isothipendyl hydrochloride • Methadone 	Multiple API targets
N-(2-Furoyl)-piperazine		40172-95-0	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Iophenoxic acid • Sodium butyrate 	Multiple API targets

INTERMEDIATES

Flavine Europe – Products Under Development

INTERMEDIATE			FINAL TARGET	
CHEMICAL NAME	STRUCTURE	CAS NUMBER	ACTIVE INGREDIENT	STRUCTURE
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.