



## INTERMEDIATES

### Adapalene

1. Methyl 6-bromo-2-naphthoate [33626-98-1]
2. 6-Bromo-2-naphthoic acid [5773-80-8]

### Alfentanil

3. 1-Benzyl-4-phenylamino-piperidine-4-carbonitrile [968-86-5]
4. 1-Benzyl-4-phenylamino-piperidine-4-carboxamide [1096-03-3]
5. 1-Benzyl-4-phenylamino-piperidine-4-carboxylic acid [84098-64-2]

### Alprazolam

6. 7-Chloro-5-Phenyl-1,3-Dihydro-2H-1,4-Benzodiazepin- 2-Thione (Thionordiazepam) [4547-02-8]

### Amprenavir

7. S-(+)-3-Hydroxytetrahydrofuran [4547-02-8]

### Arbitol

8. 1,2-Dimethyl-5-hydroxy-1H-Indole-3- carboxylic acid ethyl ester [15574-49-9]

### Buphenyl

9. 4-Phenylbutyric acid [1821-12-1]

### Carfentanil

10. 1-Benzyl-4-phenylamino-piperidine-4-carbonitrile [968-86-5]
11. 1-Benzyl-4-phenylamino-piperidine-4-carboxamide [1096-03-3]
12. 1-Benzyl-4-phenylamino-piperidine-4-carboxylic acid [84098-64-2]

### Cinacalcet

13. R-Naphthylethyl amine [3886-70-2]

### Dabigatran

14. N-(4-Cyanophenylglycine) [42288-26-6]

### Delafoxacin

15. Ethyl 2,4,5-trifluorobenzoyl acetate [98349-24-7]

### Dextroamphetamine

16. (1S,2S)-1-Chloro-1-phenyl-2-aminopropane Hydrochloride [51-64-9]

### Doxazosin

17. 4-Amino-2-chloro-6,7 -dimethoxyquinazoline [23680-84-4]

### Empaglifozin

18. S-(+)-3-Hydroxytetrahydrofuran [86087-23-2]

### Etravirine

19. 4-[(4,6-Dichloro-2-pyrimidinyl)amino]benzoxitrile [329187-59-9]
20. 4-Hydroxy-3,5-Dimethylbenzoxitrile [4198-90-7]

### Ezetimibe

21. 4- Benzyloxybenzylidene-4-fluoroaniline [70627-52-0]

### Febantel

22. bis-N,N'-Methoxycarbonyl-S-methyl-isothiourea [34840-23-8]
23. 2-Methoxyacetamido-4-phenylthio nitrobenzene [63470-85-9]

### Fentanyl

24. N-(1-Benzyl-4-piperidyl)-N-phenylpropanamide HCl [5156-58-1]
25. 4-Anilino-1-phenethylpiperidine (ANPP) [21409-26-7]
26. N-Phenyl-N-(4-piperidyl)-propanamide HCl [22352-81-4]

### Fesoterodine

27. 6-Bromo-4-phenylchroman-2-one [156755-23-6]
28. Methyl (±)- 3-(2-(benzyloxy)-5-bromophenyl)-3-phenylpropionate [156755-24-7]
29. (±)-3-(2-(Benzyloxy)-5-bromophenyl)-3-phenylpropan-1-ol [156755-25-8]
30. 3-[(1R)-3-[Bis(1-methylethyl)amino]-1-phenylpropyl]-4(phenylmethoxy)benzoic acid methyl ester [156755-35-0]

### Fluoxetine

31. 3-Hydroxy-N-Methyl-3-phenylpropylamine [42142-52-9]

### Glycerol phenylbutyrate

32. 4-Phenylbutyric acid [1821-12-1]

### Imatinib

33. 1-(2-Methyl-5-nitrophenyl)guanidine [152460-07-06]

### Ivacaftor

34. 4-oxo-1,4-dihydroquinoline -3-carboxylic acid [13593-94-7]

### Ketamine

35. o-Chlorophenyl cyclopentyl ketone [6740-85-8]

### Lapatinib

36. 3-Chloro-4[(3-fluorobenzyl)oxy]aniline [202197-26-0]

### Methylphenidate

38. dl-threo-Ritalinic acid [19395-41-6]
39. d-threo-2-Phenyl-2-(piperidin-2-yl)acetamide [160707-37-9]
40. d-threo- Ritalinic acid [129389-67-9]

### Mibefradil

41. (S)-2-(4-Fluorophenyl)-3-methylbutyric acid [55332-37-1]

### Olanzapine

42. 3-Thiophene Carboxylic Acid-5-Methyl-2-[2-(Nitrophenyl)Amino]Methyl Ester [72242-31-0]

### Olmesartan

43. Ethyl 4-(1-Hydroxy-1-methylethyl)-2-propylimidazole-5-carboxylate [144689-93-0]

### Racemic Amphetamine

44. dl-1-Chloro-1-phenyl-2-aminopropane Hydrochloride [25394-33-6]

### Rasagiline mesylate

45. (R)-1-Aminoindane HCl [10305-73-4]

### Remifentanil

46. Methyl 1-(phenylmethyl)-4-(phenylamino)-piperidine- 4-carboxylate [61085-60-7]

### Ritodrine

47. 1R,2S-(-)-4-Hydroxynorephedrine [771-91-5]

### Sufentanil

49. 1-Benzyl-4-phenylamino-piperidine-4-carbonitrile [968-86-5]
50. 1-Benzyl-4-phenylamino-piperidine-4-carboxamide [1096-03-3]
51. 1-Benzyl-4-phenylamino-piperidine-4-carboxylic acid [84098-64-2]

### Sulfalene

52. 2-Amino-3,5-dibromopyrazine [24241-18-7]

### Tapentadol

53. (2S,3R)-1-(Dimethylamino)-3-(3-methoxyphenyl)-2-methyl-3-pentanol [809282-20-0]

### Tenelegliptin

54. trans-N-Boc-4-hydroxy-L-proline [13726-69-7]

### Tetrabenazine

55. 3,4-Dihydro-6,7-dimethoxyisoquinoline HCl [20232-39-7]

### Tolvaptan

56. 7-Chloro-1,2,3,4-tetrahydrobenzob[blazepin]-5-one [160129-45-3]
57. 1-(4-Amino-2-methylbenzoyl)-7-chloro-1,2,3,4-tetrahydro-5H-1-benzazepin-5-one [137977-97-0]

### Zolmitriptan

58. (S)-(+)-4-Nitrophenylalanine methylester HCl [17193-40-7]
59. (S)-4-(4-Aminobenzyl)-2-oxazolidinone [152305-23-2]

### Zonisamide

60. 1,2-Benzisoxazole-3-methane sulfonate sodium [73101-64-1]
61. 4-Hydroxycoumarin [1076-38-6]

## Other Intermediates

CAS NO	INTERMEDIATES	CAS DATE
61	p-Bromo-N,N-dimethylbenzylamine	[6274-57-3]
62	1,2 Dimethyl-2-thiopseudourea hydroiodide	[41306-45-0]
63	N-Isopropylbenzylamine	[102-97-6]
64	N-Phenylbenzylamine	[103-32-2]
65	3-Iodobenzylamine HCl	[3718-88-5]
66	N-Methyl-4-piperidinecarboxylic acid methylester	[1690-75-1]
67	4- Formylphenyl boronic acid	[87199-17-5]
68	4-(Hydroxymethyl)phenylboronic acid	[59016-93-2]
69	2-Amino-5-bromopyrazine	[59489-71-3]
70	p-Nitrobenzyl acetoacetate	[61312-84-3]
71	N,N-Dimethyl-3-(4-nitrophenoxy)propylamine	[91430-80-7]
72	Isoquinoline-5-carboxylic acid	[27810-64-6]
73	6-Bromo-N-Methyl-2-naphthamide	[426219-35-4]
74	Ethyl 4-piperidinecarboxylate	[147636-76-8]
75	4-N-t-Boc-Aminopiperidine-4-carboxylic acid tert-butyl ester NA	
76	4-N-t-Boc-4-amino-1-Fmoc-piperidine-4-carboxylic acid	[368866-07-3]
77	6-Hydroxy-1,2,3,4-tetrahydroisoquinoline HBr	[59839-23-5]
78	Cyclopropanecarbamide hydrochloride	[57297-29-7]
79	1-Methyl-4-(piperidin-4-yl)-piperazine	[53617-36-0]
80	6-Hydroxy-2-naphthaleneboronic Acid	[173194-95-1]
81	Diethyl 2-aminomalonnate HCl	[13433-00-6]