

Pharmaceutical

Intermediates

- **ABACAVIR:**
 - DICYCLOPENTADIENE, cas [77-73-6]
 - (+,-)-VINCE LACTAM, cas [49805-30-3]
 - (-)-VINCE LACTAM, cas [79200-56-9]
- **AMBROXOL:**
 - 2-AMINO-3,5-DIBROMO-BENZALDEHYDE, cas [50910-55-9]
 - trans-4-AMINO-CYCLOHEXANOL (TACH), cas [27489-62-9]
- **AMILORIDE:**
 - 3,5-DIAMINO-6-CHLORO-PYRAZINE-2-CARBOXYLIC ACID methyl ester, cas [1458-01-1]
- **AMISULPRIDE:**
 - 2-METHOXY-4-AMINO-5-(ETHYL-SULFONYL)-BENZOIC ACID, cas [71765-87-1]
 - 2-METHOXY-4-AMINO-5-(ETHYL-SULFONYL)-BENZOIC ACID, Methyl ester, cas [80036-89-1]
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- **ANTIBIOTIC SIDE CHAIN:**
 - 3,3-DIMETHYL-ACRYLIC ACID, cas [541-47-9]
- **ATORVASTATIN:**
 - ATP-4 ("M-4"), cas [125971-96-2]
 - ATP-8, cas [125971-94-0]
 - ATP-10, cas [125971-95-1]
- **BAZEDOXIFENE:**
 - 4-BENZYLOXY-ANILINE HCl, cas [51388-20-6]
 - 4'-BENZYLOXY-2-BROMO-PROPIOPHENONE, cas [35081-45-9]
 - 4-HYDROXY-BENZALDEHYDE, cas [123-08-0]
 - 4-[2-(1-AZEPANYL)-ETHOXY]-BENZYL CHLORIDE HCl, cas [223251-25-0]
 - 5-BENZYLOXY-2-(4-BENZYLOXY-PHENYL)-3-METHYL-1H-INDOLE, cas [198479-63-9]
- **BETAXOLOL:**
 - 2-(4-HYDROXYH-ETHYL)-PHENOL ("Tyrosol"), cas [501-94-0]
- **BORTEZIMIB:**
 - (+)-PINANEDIOL, cas [18680-27-8]
- **CANAGLIFLOZIN:**
 - 2-(4-FLUORO-PHENYL)-5-[5-iodo-2-(methyl-benzyl)]-thiophene, cas [898566-17-1]
- **CARPROFEN:**
 - 2-CYCLOHEXENE-1-ONE, cas [930-68-7]
 - DIETHYL METHYLMALONATE ("DEMM"), cas [609-08-5]
- **CINACALCET:**
 - (R)-(+)- α -METHYL-1-NAPHTHALENEMETHYLAMINE, cas [3886-70-2]
 - 3-[3-(TRIFLUOROMETHYL)-PHENYL]-2-PROPENOIC ACID, cas [779-89-5]
 - 3-[3-(TRIFLUOROMETHYL)-PHENYL]-PROPANOL, cas [78573-45-2]
- **CLODRONATE SODIUM:**
 - TETRAISOPROPYL-CLODRONATE, cas [10596-22-2]
 - TETRAISOPROPYL-METHYLENE DIPHOSPHONATE, cas [1660-95-3]
- **CLOPAMIDE:**
 - 4-CHLORO-3-SULFAMOYL-BENZOIC ACID, cas [1205-30-7]
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- **CLOPIDOGREL:**
 - THIOPHENE-2-ETHANOL, cas [5402-55-1]

- **CONTRAST MEDIA:**
 - A) X-RAY: 5-AIPA ("5-amino-isophthalic acid"), cas [99-31-0]
5-NIPA DME ("5-nitro-isophthalic acid dimethyl ester"), cas [13290-96-5]
ATIPA DICHLORIDE ("5-amino-2,4,6-triiodo-isophthaloyl dichloride"), cas [37441-29-5]
 - B) MRI: CYCLEN ("1,4,7,10-tetraazacyclodecane"), cas [294-90-6]
DOTA ("1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid"), cas [60239-18-1]
- **COSMETICS:**
 - 1,8-OCTANEDIOL, cas [629-41-4]
 - AZELAIC ACID ("n-1,9-nonanedioic acid"), cas [123-99-9] (skin care)
- **DAPAGLIFLOZIN:**
 - 5-BROMO-2-CHLORO-BENZOIC ACID ("BCBA"), cas [21739-92-4]
- **DILTIAZEM HCl:**
 - CIS(+)-HYDROXY-LACTAM, cas [42399-49-5]
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- **DOBUTAMINE:**
 - TRIMETHOXY-DOBUTAMINE HCl [51 062-14-7]
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- **DROXIDOPA:**
 - 3,4-DIHYDROXY-BENZALDEHYDE, cas [139-85-5]
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- **EFAVIRENZ:**
 - 4-(NITRO-PHENYL)-CHLOROFORMATE ("PNPCF"), cas [7693-46-1]
- **ENTACAPONE:**
 - 3,4-DIHYDROXY-5-NITRO-BENZALDEHYDE, cas [116313-85-0]
 - N,N-DIETHYL-2-CYANOACETAMIDE, cas [26391-06-0]
- **ENZALUTAMIDE:**
 - 4-ISOTHIOCYANATO-2-(TRIFLUOROMETHYL)-BENZONITRILE, cas [143782-23-4]
- **EPHEDRINE:**
 - (R)-PHENYL-ACETYL-CARBINOL ("(R)-PAC"), cas [1798-60-3]
- **ERLOTINIB:**
 - 3-ETHYNYL-ANILINE HCl, cas [207226-02-6]
- **ETIFENAMATE:**
 - 2-(2-CHLORO-ETHOXY)-ETHANOL ("2-CEE"), cas [628-89-7]
- **FINGOLIMOD:**
 - 1-OCTYL-BENZENE ("1-Phenyl-octane"), cas [2189-60-8]
 - 3-BROMO-PROPIONYL CHLORIDE, cas [15486-96-1]
 - 4-OCTYL-PHENETHYL METHANESULFONATE, cas [162358-06-7]
 - DIETHYL-ACETAMIDOMALONATE ("DEAM"), cas [1068-90-2]
- **FISPEMIFENE:**
 - 2-(2-CHLORO-ETHOXY)-ETHANOL, cas [628-89-7]
- **FLORDIPINE:**
 - 4-(2'-CHLORO-ETHYL)-MORPHOLINE HCl, cas [3647-69-6]
- **FLUNIXIN MEGGLUMINE:**
 - 2-METHYL-3-(TRIFLUOROMETHYL)-ANILINE, cas [54396-44-0]
- **FLURBIPROFEN:**
 - 2-FLUORO-4-BROMO-1,1'-BIPHENYL, cas [41604-19-7]
 - DIETHYL METHYLMALONATE ("DEMM"), cas [609-08-5]
- **FORMOTEROL:**
 - 1-(4-METHOXY-PHENYL)-2-BENZYL-PROPYLAMINE, cas [43229-65-8]
 - 1-(4-METHOXY-PHENYL)-2-BENZYL-PROPYLAMINE HBr, cas [1184950-62-6]

- 1-(4-METHOXY-PHENYL)-2-BENZYL-PROPYLAMINE HCl, cas [1049695-95-5]
- 2-BROMO-3'-NITRO-4'-BENZYLOXY-ACETOPHENONE, cas [43229-01-2]
- 3'-NITRO-4'-HYDROXY-ACETOPHENONE, cas [6322-56-1]
- 5-BENZYLOXY-2-(4-BENZYLOXY-PHENYL)-3-METHYL-1H-INDOLE, cas [198479-63-9]
- **FULVESTRANT:**
 - 4,4,5,5,5-PENTAFLUORO-1-PENTANOL, cas [148043-73-6]
 - 9-BROMO-1-NONANOL, cas [55362-80-6]
 - cas [354-64-3]; cas [2590-41-2]; cas [131215-92-4]; cas [148757-89-5]; cas [415927-29-6]; cas [511545-93-0]; cas [511545-94-1]; cas [875573-66-3]; cas [875573-69-6]; cas [1239977-74-2]
- **GABAPENTIN:**
 - CYCLOHEXANE-1,1-DIACETIC ACID ("CDA"), cas [4355-11-7]
 - CYCLOHEXANE-1,1-DIACETIC ACID MONOAMIDE ("CAM"), cas [99189-60-3]
- **GLIMEPRIDE:**
 - 4-(NITRO-PHENYL)-CHLOROFORMATE ("PNPCF"), cas [7693-46-1]
- **HYDROCHLOROTHIAZIDE:**
 - 1-AMINO-3-CHLORO-4,6-BENZENE-DISULFONAMIDE, cas [121-30-2]
- **HYDROXYZINE:**
 - 2-(2-CHLORO-ETHOXY)-ETHANOL, cas [628-89-7]
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- **INDAPAMIDE:**
 - 4-CHLORO-3-SULFAMOYL-BENZOIC ACID, cas [1205-30-7]
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- **IRINOTECAN:**
 - 4-(NITRO-PHENYL)-CHLOROFORMATE ("PNPCF"), cas [7693-46-1]
- **ISOPRINOSINE (Methisoprinol; Inosine Pranobex):**
 - 1-(DIMETHYLAMINO)-PROPAN-2-OL, cas [108-16-7]
 - 4-ACETAMIDO-BENZOIC ACID ("PACBA"; Acedoben), cas [556-08-1]
 - 4-ACETAMIDO-BENZOIC ACID compound with 1-(DIMETHYLAMINO)-PROPAN-2-OL, (1:1), cas [61990-51-0]
 - 4-AMINO-BENZOIC ACID ("PABA"), cas [150-13-0]
- **ISOXSUPRINE:**
 - 2-PHENOXY-ISOPROPYLAMINE ("1-methyl-2-phenoxy-ethylamine"), cas [35205-54-0]
- **KETOPROFEN:**
 - KETONITRILE ("2-(3-benzoyl-phenyl)-propionitrile"), cas [42872-30-0]
- **LABETALOL:**
 - 1-METHYL-3-PHENYL-PROPYLAMINE, cas [22373-89-6]
- **LEDIPASVIR:**
 - (R)-(-)-2-AMINO-1-BUTANOL, cas [5856-63-3]
- **LENALIDOMIDE:**
 - L-GLUTAMINE METHYL ESTER mono HCl, cas [32668-14-7]
- **LESINURAD:**
 - 1-CYCLOPROPYL-4-ISOTHIOCYANATO-NAPHTHALENE, cas [878671-95-5]
- **LEVODOPA:**
 - 3,4-DIHYDROXY-BENZALDEHYDE, cas [139-85-5]
- **LIFITEGRAST:**
 - "synthon A": 6-BENZOFURANE-CARBOXYLIC ACID, cas [77095-51-3]
 - "synthon B": 2-(tert-BUTOXY-CARBONYL)-5,7-DICHLORO-1,2,3,4-TETRAHYDRO-ISOQUINOLINE-6-CARBOXYLIC ACID, cas [851784-82-2]
 - "synthon C": BENZYL-(2S)-2-AMINO-3-[3-METHYL-SULFONYL]PHENYL]PROPANOATE HCl, cas [1194550-59-8]
- **LOPERAMIDE HCl:**
 - 4-(p-CHLORO-PHENYL)-4-HYDROXY-PIPERIDINE, cas [39512-49-7]
 - FURANIMINIUM BROMIDE, cas [37743-18-3]

- **LOXOPROFEN:**
 - 2-CYCLOPENTANONE-CARBOXYLIC ACID Methyl ester ("CPCM"), cas [10472-24-9]
 - 2-[4-(BROMO-METHYL)-PHENYL]-PROPIONIC ACID ("BMPPA"), cas [111128-12-2]
- **MEFENAMIC ACID:**
 - 2,3-XYLIDINE ("2,3-dimethyl-aniline"), cas [87-59-2]
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- **METARAMINOL:**
 - 3-HYDROXY-BENZALDEHYDE, cas [100-83-4]
- **METHADONE:**
 - 4-(DIMETHYLAMINO)-2,2-DIPHENYL-PENTANENITRILE, cas [125-79-1]
 - n-VALERONITRILE, cas [110-59-8]
- **METHYLDOPA:**
 - 3,4-DIHYDROXY-BENZALDEHYDE, cas [139-85-5]
- **METOCLOPRAMIDE:**
 - PAS sodium (4-amino-salicylic acid sodium salt), cas [555-06-6]
- **METOPROLOL:**
 - 4-(2-METHOXY-ETHYL)-PHENOL ("MEP"), cas [56718-71-9]
- **MODAFINIL:**
 - BENZHYDROL, cas [91-01-0]
- **MORCLOFONE:**
 - 4-(2'-CHLORO-ETHYL)-MORPHOLINE HCl, cas [3647-69-6]
- **MORNIFLUMATE:**
 - 4-(2'-HYDROXY-ETHYL)-MORPHOLINE, cas [622-40-2]
- **MYCOPHENOLATE:**
 - 4-(2'-HYDROXY-ETHYL)-MORPHOLINE, cas [622-40-2]
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- **NAFTIDROFURYL:**
 - 1-(CHLORO-METHYL)-NAPHTHALENE, cas [86-52-2]
- **NEBIVOLOL:**
 - 5-FLUORO-2-HYDROXY-ACETOPHENONE, cas [394-32-1]
- **NEFOPAM:**
 - 2-BENZOYL-BENZOIC ACID, cas [85-52-9]
- **NIFLUMIC ACID:**
 - 4-(2'-HYDROXY-ETHYL)-MORPHOLINE, cas [622-40-2]
- **NIMORAZOLE:**
 - 4-(2'-CHLORO-ETHYL)-MORPHOLINE HCl, cas [3647-69-6];
 - 4-(2'-HYDROXY-ETHYL)-MORPHOLINE, cas [622-40-2]
- **OGLEMILAST:**
 - 3,4-DIHYDROXY-BENZALDEHYDE, cas [139-85-5]
- **PHOLCODINE:**
 - 4-(2'-CHLORO-ETHYL)-MORPHOLINE free base [622-40-2] and HCl, cas [3647-69-6]
- **PINAVERIUM BROMIDE:**
 - 2-BROMO-VERATRYL BROMIDE ("2-bromo-4,5-dimethoxy-benzyl bromide"), cas [53207-00-4]
 - 4-(2'-CHLORO-ETHYL)-MORPHOLINE HCl, cas [3647-69-6]
 - 4-(2'-HYDROXY-ETHYL)-MORPHOLINE, cas [622-40-2]
 - DIHYDRONOPOL, cas [4747-61-9]
 - VERATRYL ALCOHOL, cas [93-03-8]

- **QUETIAPINE:**
 - 2-(2-CHLORO-ETHOXY)-ETHANOL, cas [628-89-7]
- **RITONAVIR:**
 - 4-(NITRO-PHENYL)-CHLOROFORMATE ("PNPCF"), cas [7693-46-1]
- **RIVASTIGMIN:**
 - 3'-HYDROXY-ACETOPHENONE, cas [121-71-1]
 - 3'-METHOXY-ACETOPHENONE, cas [586-37-8]
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- **ROFLUMILAST:**
 - 3,4-DIHYDROXY-BENZALDEHYDE, cas [139-85-5]
- **ROXATIDINE:**
 - 3-HYDROXY-BENZALDEHYDE, cas [100-83-4]
- **SAFINAMIDE:**
 - 4-HYDROXY-BENZALDEHYDE, cas [123-08-0]
- **SALMETEROL:**
 - 4-PHENYL-BUTANOL, cas [3360-41-6]
 - 4-PHENYL-BUTYL BROMIDE, cas [13633-25-5]
 - N-BENZYL-6-(4-PHENYL-BUTOXY)-HEXANE-1-AMINE, cas [97664-55-6]
 - METHYL 2-BENZYLOXY-5-(2-BROMO-ACETYL)-BENZOATE, cas [27475-14-5]
- **SOFOSBUVIR:**
 - cas [874638-80-9]; cas [817204-32-3]; cas [863329-66-2]
- **SULCONAZOLE NITRATE:**
 - 4-CHLOROBENZYL MERCAPTAN (4-chlorobenzenemethanethiol), cas [6258-66-8]
- **SULINDAC:**
 - 3-(4-FLUORO-PHENYL)-2-METHYL-PROPANOYL CHLORIDE, cas [1017183-70-8]
 - 4-FLUORO-BENZOYL CHLORIDE, cas [403-43-0]
 - 4-(METHYL-MERCAPTO)-BENZALDEHYDE, cas [3446-89-7]
 - CYANO-ACETIC ACID, cas [372-09-8]
- **TAPENTADOL:**
 - 3'-METHOXY-ACETOPHENONE, cas [586-37-8]
- **TERBINAFINE:**
 - 1-(CHLORO-METHYL)-NAPHTHALENE, cas [86-52-2]
- **TICLOPIDINE:**
 - THIOPHENE-2-ETHANOL, cas [5402-55-1]
- **TIOCONAZOLE:**
 - 1-(2,4-DICHLOROPHENYL)-2-(1-IMIDAZOLYL)-ETHANOL, cas [24155-42-8]
- **TOLNAFTATE:**
 - Beta-NAPHTHOL-THIOCHLOROFORMATE, cas [10506-37-3]
- **TRANMILAST:**
 - 3,4-DIHYDROXY-BENZALDEHYDE, cas [139-85-5]
- **TRIMEBUTINE:**
 - 2-N,N-(DIMETHYL-AMINO)-2-PHENYL-n-BUTANOL ("Amino-butanol"), cas [39068-94-5]
 - 3,4,5-TRIMETHOXY-BENZOIC ACID ("345TMB"), cas [118-41-2]
 - 3,4,5-TRIMETHOXY-BENZOIC ACID Methyl ester ("345TMBM"), cas [1916-07-0]
 - METHYL 2-(N,N-DIMETHYL-AMINO)-2-PHENYL-BUTYRATE ("Amino ester"), cas [39068-93-4]
 - SODIUM 2-PHENYL-2-AMINO-BUTYRATE, cas [94133-84-3]
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- **TRIMETHOBENZAMIDE:**
 - 3,4,5-TRIMETHOXY-BENZOIC ACID ("345TMB"), cas [118-41-2]

- 3,4,5-TRIMETHOXY-BENZOYL CHLORIDE ("345TMBCI"), cas [4521-61-3]
- **TRIPROLIDINE:**
 - 1-(4-METHYL-PHENYL)-1-(2-PYRIDYL)-3-PYRROLIDIN-1-PROPANOL, cas [70708-28-0]
- **VELTAPASVIR:**
 - N-BOC-trans-4-HYDROXY-L-PROLINE Methyl ester, cas [74844-91-0]