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進階生物科技股份有限公司

服務專線: 0800-251302

The Source for **Carbohydrates and Nucleosides**



About Carbosynth

Carbosynth is a specialist chemical company primarily working in the fields of carbohydrates, nucleosides and fine chemicals. We aim to offer a broad range of products to the international R&D communities in the following catalogues:

Enzyme Substrate and Detergent Catalogue

Monosaccharide Catalogue

Oligosaccharide Catalogue

Polysaccharide Catalogue and Handbook

Nucleoside Catalogue

Impurity and Metabolite Catalogue

Fine Chemical Catalogue (CD format)

Full Product Catalogue (CD format)

The catalogues have over **30,000** products, of which over half are in stock. Although our catalogue listings are for R&D quantities, many are produced in bulk or can be scaled-up so we are happy to quote for semi-bulk and bulk quantities.

In our labs we synthesise many of the more complex catalogue products as well as undertaking custom synthesis work. Our focus is on the synthesis of complex carbohydrate building blocks, glucuronides, nucleosides, phosphoramidites, mono- and tri-phosphates. In addition we offer a range of fine chemicals, many of which are versatile building blocks or have specialist applications ranging from biochemical reagents, API impurities, diagnostic reagents to natural antioxidants. The core technologies include the synthesis of unnatural sugars and nucleosides that are of increasing interest to pharmaceutical and biotech discovery programs. We also have experience in a wide range of protection and activation strategies.

The Source for **Carbohydrates and Nucleosides**

In 2017 we opened new laboratories at our Compton site to support the growing demand from our clients for custom synthesis. Our team of scientists are highly motivated and committed to providing in-time development and delivery of quality compounds. If the product you require is not included in the catalogue please ask us to quote on a custom synthesis basis.



The Source for **Carbohydrates and Nucleosides**



How to Use this Catalogue

The impurities and metabolites within this catalogue are listed alphabetically under the API associated with the impurity. The systematic name of the impurity is then listed and prefixes such as bis, tris, tetra are considered to be part of the alphabetical name whereas numerical, elemental and stereochemical identifiers are not.

Commonly used names and acronyms can also be found in the synonym sections of the listing.

It is also possible to find a product if you know its Chemical Abstracts Service Registry Number (CAS), its formula or its Carbosynth product code. The CAS Index is arranged in ascending order and cross-referenced to the alphabetical list. In some unusual cases where we feel that a product has more than one commonly used CAS, then all appear in the CAS Index cross-referenced to the alphabetical list. The Carbosynth Product Code Index is arranged in ascending alphanumeric order and cross-referenced to the alphabetical list.

If the product that you require is not listed in the catalogue please enquire as we may have updated our product list since the publication of the catalogue. We may also be able to offer the product you require as a custom synthesis.

Key to Product Listing

API ● **Metoprolol**

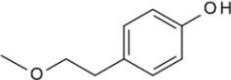
Impurity Name ● **4-(2-Methoxyethyl)phenol**

Synonyms or Acronyms ●
• Metoprolol impurity I
• Metoprolol impurity B
• p-(2-Methoxyethyl)phenol

CAS Registry Number ● [56718-71-9] $C_9H_{12}O_2$ 152.19 ● Formula Weight

Product Code ● IM25300


Formula ●

Structure ● 

References ● Refs: McGourty, J, et al, Br. J. Clin. Pharmacol, 20, 555

100g	\$60.00	●	Prices
250g	\$120.00		
500g	\$175.00		

Typical Pack Size

Buy Online 

Product Usage

Carbosynth's products are intended for research purposes only. They are not to be used for any other purposes including, but not limited to, usage in drugs, cosmetics or foodstuffs. The purchaser has the responsibility to independently verify hazards and risks associated with handling or using products purchased from Carbosynth and ensure that the purchaser's employees and any associates who come into contact with the products understand these hazards and risks.

The Source for **Carbohydrates and Nucleosides**



How to Order

To place an order or make a product enquiry please contact us by phone, fax, email or post. Our contact details are as follows:

Carbosynth Limited

Axis House, High Street
Compton, Berkshire
RG20 6NL. United Kingdom

☎ 44 1635 578444

☎ 44 1635 579444

✉ orders@carbosynth.com

Carbosynth US LLC

7887 Dunbrook Road, Suite F
San Diego, CA 92126. USA

☎ 888-681-2933 (toll-free)

☎ 858-779-9911

☎ 858-605-0807

✉ sales@carbosynth.com

Carbosynth China Ltd

Suite 421, Building A2
218 Xinghu Street
Suzhou Industrial Park
215123. China

☎ 86 512 6260 5585

☎ 86 512 6260 5576

✉ sales@carbosynth.com

Carbosynth India

T-1. Block 2, Jains KK Gardens
Vembuli Amman Kovil Street
West KK Nager
Chennai 600 078. India

☎ 91 44 420 16316

✉ enquiries@carbosynth.com

On-line ordering and payment can be made by credit card at www.carbosynth.com or by ringing 44 1635 577667, or for US & Canada 858-779-9911

In all cases, please supply the following information with your purchase order:

- Name of company or organisation
- Delivery address
- Invoice address and VAT number
- Contact name and phone number
- Carbosynth product code
- Purchase order unique reference or number

In the interests of Health and Safety we are unable to supply chemicals to private individuals or residential addresses.

The Source for **Carbohydrates and Nucleosides**



Prices

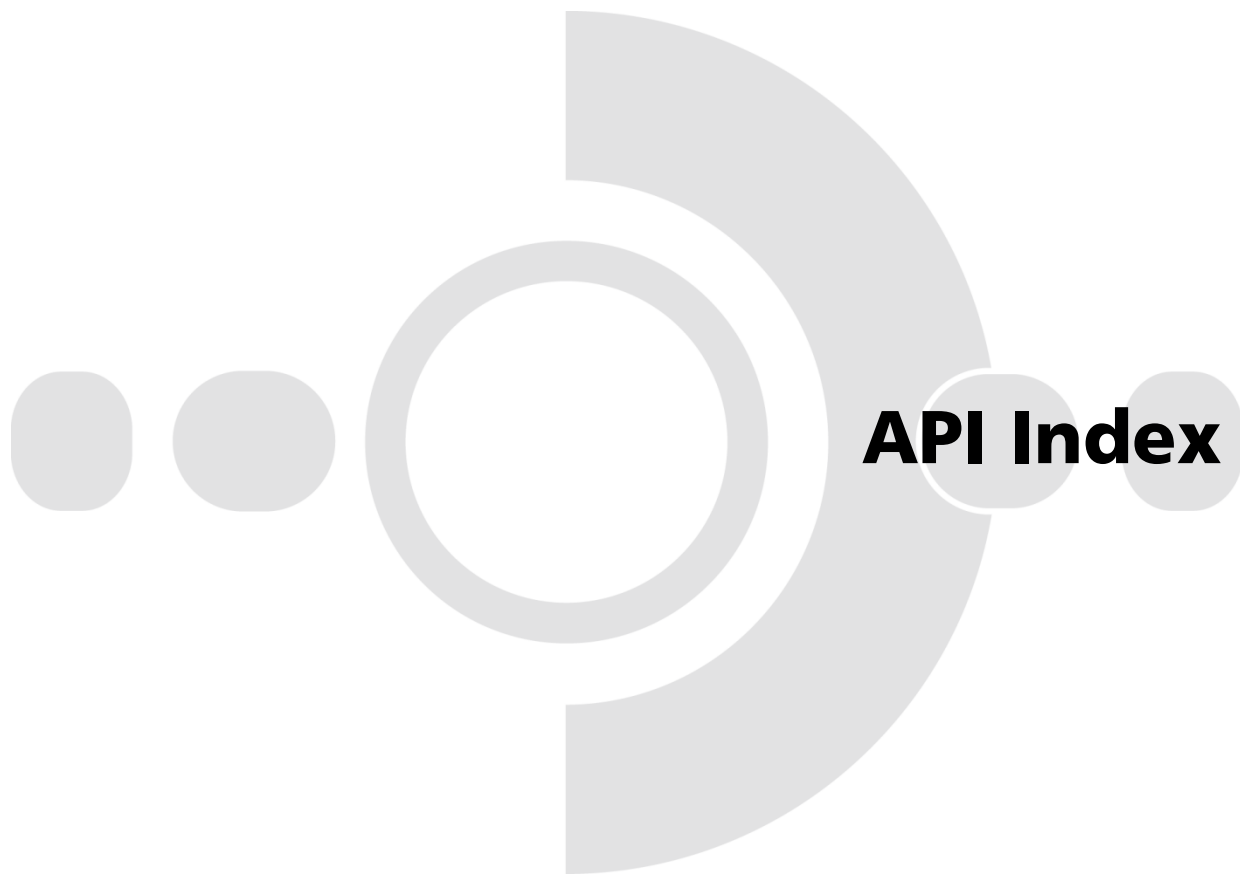
All prices are on an EXW basis in US Dollars (\$) and are subject to alteration at any time. Actual transport costs vary and depend on weight, hazard class and destination. Any transport costs and hazardous surcharges are indicated on our invoices and we endeavour to minimise these. A guide to our transport and hazard charge is given below and we will advise you if the costs are higher than those in the table, prior to delivery.

Destination	Gross Weight	Transport Charge	Hazard Charge
Europe*, USA & Canada	< 0.5 kg	\$35	\$75
	0.5 - 2.5 kg	\$50	\$75
	2.5 - 5 kg	\$65	\$75
UK	< 0.5 kg	\$20	\$75
	0.5 - 2.5 kg	\$20	\$75
	2.5 - 5 kg	\$25	\$75
China, Australia, New Zealand, Russia & Ukraine	< 0.5 kg	\$60	\$150
	0.5 - 2.5 kg	\$75	\$150
	2.5 - 5 kg	\$90	\$150
India**	< 0.5 kg	\$45	\$90
	0.5 - 2.5 kg	\$60	\$90
	2.5 - 5 kg	\$80	\$90
Rest of World***	< 0.5 kg	\$60	\$90
	0.5 - 2.5 kg	\$75	\$90
	2.5 - 5 kg	\$90	\$90

- * Additional costs apply to hazardous shipments to Greece, Norway, Poland, Romania and some regions in Spain
- ** Hazardous shipments are to the following airports only: Mumbai, Hyderabad, Bangalore and New Delhi. An additional cost of \$100 applies to hazardous shipments to Hyderabad airport
- *** Some restrictions apply and some additional costs apply to some territories. These will be advised on request.

Different carriers have different restrictions on the hazardous classes and territories they serve. Our preferred carrier is FedEx, although the actual carrier will depend on the hazard class and the final destination. If you wish to have products shipped by your chosen carrier please include your carrier's name and account number on your purchase order. We reserve the right to alter the method of shipment if we deem that it does not comply with regulations or that the product will not be delivered in good order.

If you wish to purchase in Pounds (£) or EURs (€) please enquire or visit our website. The Source for **Carbohydrates and Nucleosides**



The Source for **Carbohydrates and Nucleosides**

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Alphabetical Listing by API

Acebutolol

Acebutolol

A

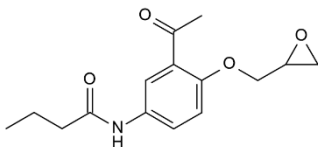
3'-Acetyl-4'-(2,3-epoxypropoxy)butyranilide

- N-[3-Acetyl-4-(oxiranylmethoxy)phenyl]butanamide
- Acebutolol impurity A

[28197-66-2] C₁₅H₁₉NO₄ 277.32

IA17081

50mg \$125.00
100mg \$227.00
250mg \$412.50



Refs: Andresen, B. et al, Drug Metab. Disposition, 7, 360 (1979)

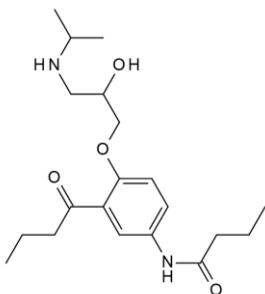
rac-3-Deacetyl-3-butanoyl acebutolol hydrochloride

- (+/-)-N-[4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-3-(1-oxobutyl)phenyl]butanamide hydrochloride
- N-[3-Butanoyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]butanamide hydrochloride

[57898-71-2] C₂₀H₃₃ClN₂O₄ 400.94

IR27447

5mg \$124.90
10mg \$227.20
25mg \$413.00



ClH



Refs: Basili, B. et al, J. Med. Chem, 19, 399 (1976)

rac-N-Desbutyroyl acebutolol

- (+/-)-1-[5-Amino-2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]ethanone
- DL-1-(2-Acetyl-4-aminophenoxy)-3-isopropylaminopropan-2-ol

[57898-80-3] C₁₄H₂₂N₂O₃ 266.34

IR27556

10mg \$139.80
25mg \$254.50
50mg \$462.00



Refs: Elyased, M. et al, Anal. Lett, 22, 1665 (1989); Bonazzi, D. et al, J. Pharma. Biomed. Anal, 16, 431 (1997)

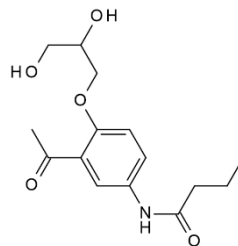
rac-Des(isopropylamino) acebutolol diol

- N-[3-Acetyl-4-[(2RS)-2,3-dihydroxypropoxy]phenyl]butanamide
- (+/-)-N-[3-Acetyl-4-(2,3-dihydroxypropoxy)phenyl]butanamide

[96480-91-0] C₁₅H₂₁NO₅ 295.33

IR27498

10mg \$139.80
25mg \$254.50
50mg \$462.00



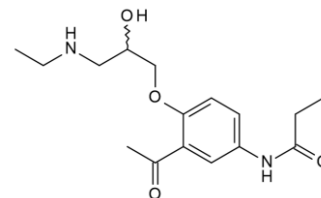
rac-N-Desisopropyl-N-ethyl acebutolol

- N-[3-Acetyl-4-[3-(ethylamino)-2-hydroxypropoxy]phenyl]butanamide
- N-[3-Acetyl-4-[(2RS)-3-(ethylamino)-2-hydroxypropoxy]phenyl]butanamide

[441019-91-6] C₁₇H₂₆N₂O₄ 322.4

IR27557

5mg \$124.90
10mg \$227.20
25mg \$413.00



Refs: Chen, L. et al, J. Chromatography, 950, 65 (2002)

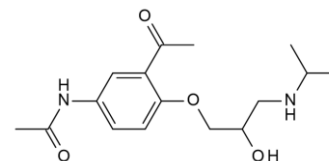
rac-Diacetolol

- (±)-N-[3-Acetyl-4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]acetamide
- DL-3'-Acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]acetanilide
- (±)-Diacetolol

[22568-64-5] C₁₆H₂₄N₂O₄ 308.37

ID27503

10mg \$55.00
25mg \$110.00
50mg \$175.00



Refs: Basili, B. et al, Nouv. Pres. Med, 7, 3258 (1978); Choi, S. et al, Arch. Pharm. Res, 25, 541 (2002); Basili, B. et al, Eur. J. Pharmacol, 80, 47 (1982)

Erythromycin E

• 1",16-Epoxyerythromycin

[41451-91-6] C₃₇H₆₅NO₁₄ 747.91

IE146282

Price on Application

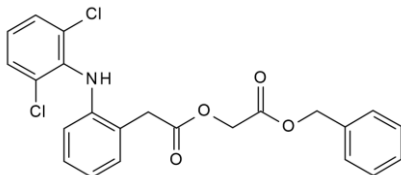
**2-[(2,6-Dichlorophenyl)amino]benzeneacetic Acid 2-(carboxymethoxy)-2-oxoethyl ester**[1215709-75-3] C₁₈H₁₅Cl₂NO₆ 412.22

ID156912

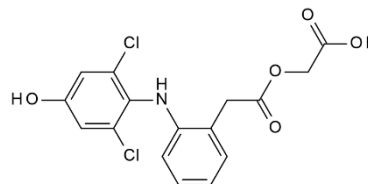
Price on Application

**Aceclofenac****Aceclofenac benzyl ester**• 2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid 2-oxo-2-(phenylmethoxy)ethyl ester
• Aceclofenac impurity F[100499-89-6] C₂₃H₁₉Cl₂NO₄ 444.31

IA16909

10mg \$125.00
25mg \$200.00
50mg \$300.00**4'-Hydroxy aceclofenac**• 2-[(2,6-Dichloro-4-hydroxyphenyl)amino]benzeneacetic acid carboxymethyl ester
[229308-90-1] C₁₆H₁₃Cl₂NO₅ 370.18

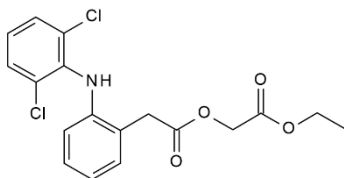
IH23898

5mg \$900.00
10mg \$1500.00
25mg \$2600.00

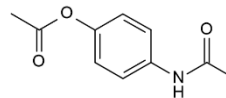
Refs: Yscla, A, et al, Drugs Exp. Clin. Res, 14, 491 (1988); Ballesteros, R, et al, Clin. Trials J, 27, 12 (1990)

Aceclofenac ethyl ester• 2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid 2-ethoxy-2-oxoethyl ester
[139272-67-6] C₁₈H₁₇Cl₂NO₄ 382.24

IA16910

50mg \$125.00
100mg \$227.00
250mg \$412.50**Acetaminophen****Acetaminophen acetate**• N-[4-(Acetyloxy)phenyl]acetamide
• 4'-Acetoxyacetanilide
• Acetaminophen impurity H[2623-33-8] C₁₀H₁₁NO₃ 193.2

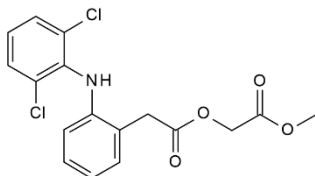
IA16944

500mg \$130.00
1g \$227.20
2g \$413.00

Refs: 2) Chow, A, et al, Int. J. Pharm, 24, 239 (1985)

Aceclofenac methyl ester• 2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid 2-methoxy-2-oxoethyl ester
[139272-66-5] C₁₇H₁₅Cl₂NO₄ 368.21

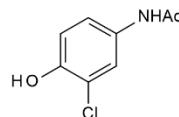
IA16911

50mg \$125.00
100mg \$227.00
250mg \$412.50**3-Chloro-4-hydroxyacetanilide**

• Acetaminophen impurity C

[3964-54-3] C₈H₈ClNO₂ 185.61

IC10365

1g \$99.80
2g \$126.00
5g \$210.00

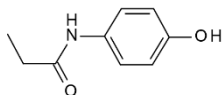
Acetaminophe**N-(4-Hydroxyphenyl)propanamide**

- 4-Propionamidophenol
- Acetaminophen impurity B

[1693-37-4] C₉H₁₁NO₂ 165.19

IP27203

10mg	\$125.00
25mg	\$250.00
50mg	\$425.00



Refs: Hajduk, P, et al, Science, 278, 497

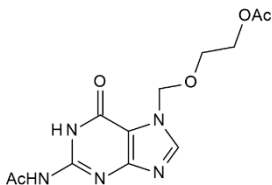
Acyclovir**2-Acetamido-7-[[2-(acetyloxy)ethoxy]methyl]-6,7-dihydro-1H-purin-6-one**

- N2-7-Diacetylacyclovir
- Acyclovir impurity M

[91702-60-2] C₁₂H₁₅N₅O₅ 309.28

IA58280

5mg	\$65.00
10mg	\$100.00
25mg	\$192.50

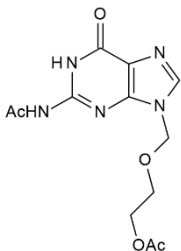
**2-Acetamido-9-[[2-(acetyloxy)ethoxy]methyl]-6,9-dihydro-1H-purin-6-one**

- 2-[[[(2-(Acetylamino)-6-oxo-1,6-dihydro-9H-purin-9-yl)-methoxy]ethyl] acetate
- Acyclovir impurity G

[75128-73-3] C₁₂H₁₅N₅O₅ 309.28

IA58282

500mg	\$50.00
1g	\$90.00
2g	\$160.00

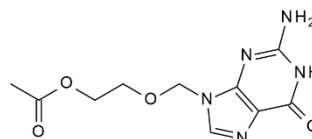
**Acyclovir acetate**

- 9-[[2-(Acetyloxy)ethoxy]methyl]-2-amino-1,9-dihydro-6H-purin-6-one
- 9-(2-Acetoxyethoxymethyl)guanine

[102728-64-3] C₁₀H₁₃N₅O₄ 267.24

IA17213

25mg	\$65.00
50mg	\$100.00
100mg	\$175.00



Refs: Goskonda, V, et al, J. Pharm. Sci, 88, 180 (1999); Chang, J, et al, Pharm. Res, 17, 670 (2000)

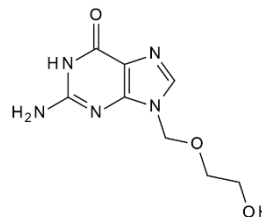
2-Amino-1,9-dihydro-9-[[2-(hydroxyethoxy)methyl]-6H-purin-6-one

- Acyclovir
- Valaciclovir hydrochloride anhydrous impurity B
- Acycloguanosine

[59277-89-3] C₈H₁₁N₅O₃ 225.2

IA58279

50g	\$60.00
100g	\$100.00
250g	\$162.50

**3,9-Dihydro-9-[[2-(hydroxyethoxy)methyl]-1H-Purine-2,6-dione**[81475-47-0] C₈H₁₀N₄O₄ 226.19

ID157193

Price on Application

**Adrenaline****(1R)-1-(3,4-Dihydroxyphenyl)-2-(methylamino)ethanesulfonic acid**

- Adrenaline impurity F

[78995-75-2] C₉H₁₃NO₃S 247.27

ID141735

50mg	\$600.00
100mg	\$800.00
250mg	\$1050.00



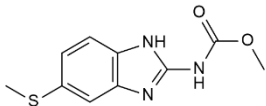
Albendazole

Albendazole impurity F

• 5-(S-Methyl)albendazole
[80983-45-5] C₁₀H₁₁N₃O₂S 237.28

IA71873

10mg \$480.00
25mg \$800.00
50mg \$1050.00

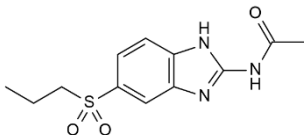


Albendazole sulfone

• N-[6-(Propylsulfonyl)-1H-benzimidazol-2-yl]carbamic acid methyl ester
• Methyl [5-(propylsulfonyl)-1H-benzimidazol-2-yl]carbamate
[75184-71-3] C₁₂H₁₅N₃O₄S 297.33

IA17258

5mg \$109.90
10mg \$199.90
25mg \$363.50



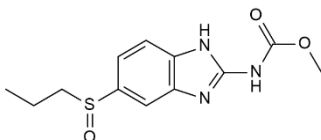
Refs: Dominguez, L, et al, Farmaco, 50, 697 (1995); De Laurentis, N, et al, Pharm. Pharmacol. Lett, 6, 2: 51 (1996)

Albendazole sulfoxide

• Albendazole oxide
• Ricobendazole
• RS-8852
[54029-12-8] C₁₂H₁₅N₃O₃S 281.33

IA17259

500mg \$40.00
1g \$60.00
2g \$80.00



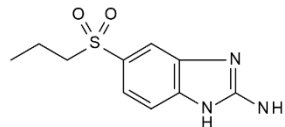
Refs: Dominguez, L, et al, Farmaco, 50, 697 (1995); De Laurentis, N, et al, Pharm. Pharmacol Lett, 6, 2: 51 (1996)

Amino albendazole sulfone

• 6-(Propylsulfonyl)-1H-benzimidazol-2-amine
• Albendazole-2-aminosulfone
• SKF 81038
[80983-34-2] C₁₀H₁₃N₃O₂S 239.3

IA17360

10mg \$80.00
50mg \$200.00
100mg \$320.00



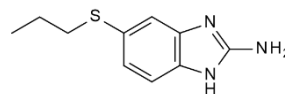
Refs: Shaikh, B, et al, J. Vet. Pharmacol. Ther, 29, 525 (2006); Powers, J, et al, Bioorg. Med. Chem. Lett, 16, 2842 (2006)

Amino albendazole

• 5-(Propylthio)-1H-benzimidazol-2-amine
• Albendazole amine
• 5-(Propylsulphanyl)-1H-benzimidazol-2-amine
[80983-36-4] C₁₀H₁₃N₃S 207.3

IA17359

50mg \$487.50
100mg \$750.00
250mg \$1200.00



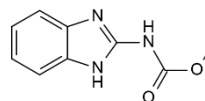
Refs: Holland, H.L. et al, Chimica Oggi, 15, 70 (1997); Zhao, Y. et al, Org. Biomolec. Chem, 8, 3328 (2010); Lacey, E. et al, Vet. Parasitol, 23, 105 (1987)

Carbendazim

• N-1H-Benzimidazol-2-yl-carbamic acid methyl ester
• 2-Benzimidazolecarbamic acid methyl ester
• Albendazole impurity E
[10605-21-7] C₉H₉N₃O₂ 191.19

IC19689

50g \$65.00
100g \$100.00
250g \$212.50



Refs: Zeng, Z, et al, J. Agric. Food Chem, 44, 3374 (1996); Lewis, D, et al, Xenobiotica, 28, 235 (1998); Hodgson, E, et al, J. Biochem. Mol. Toxicol, 21, 182 (2007)

Alfuzosin

Alfuzosin

N-(4-Amino-6,7-dimethoxyquinazol-2-yl)-N-methylpropylenediamine formamide hydrochloride

• Alfuzosin hydrochloride impurity E

[1796934-51-4][1026411-59-5] C₁₄H₁₇N₅O₂ 287.32

IA156915

Price on Application



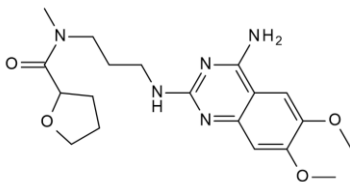
N2-Methyl alfuzosin hydrochloride

• (RS)-N-[3-[(4-amino-6,7-dimethoxy-2-quinazolyl)amino]propyl]tetrahydro-N-methyl-2-furancarboxamide hydrochloride

[72104-34-8] C₁₉H₂₈ClN₅O₄ 425.91

IM25467

2mg	\$149.90
5mg	\$272.60
10mg	\$495.50



ClH

Refs: Brogden, R.N. et al, *Drugs*, 14, 163 (1977); Thien, T, et al, *Lancet*, 1, 363 (1977)

2,3,4,5-Tetrahydro alfuzosin hydrochloride

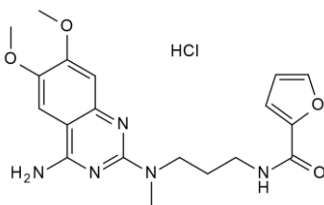
• N-[3-[(4-Amino-6,7-dimethoxy-2-quinazolyl)methylamino]propyl]-2-furancarboxamide hydrochloride

• Alfuzosin impurity A

[98902-29-5] C₁₉H₂₄ClN₅O₄ 421.88

IT28077

10mg	\$149.90
25mg	\$272.50
50mg	\$496.00



HCl

Refs: Manoury, P.M. et al, *J. Med. Chem.*, 29, 19 (1986)

Allopurinol

Allopurinol impurity A

[5334-31-6]

IA63600

Price on Application



Allopurinol impurity C

[1346604-13-4] C₈H₈N₆O 178.15

IA63601

Price on Application



Allopurinol impurity E

[31055-19-3] C₇H₉N₅O₃ 183.16

IA63602

Price on Application



3-Amino-4-carbamoylpyrazole hemisulfate

- 3-Amino-1H-pyrazole-4-carboxamide hemisulfate
- 3-Amino-pyrazole-4-carboxamide hemisulfate
- Allopurinol impurity A

[27511-79-1] C₄H₆N₄O·½H₂O·S 175.16

IA17563

5g	\$42.00
10g	\$73.50
25g	\$131.50

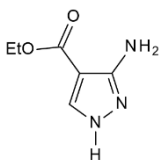
Refs: Nicolin, A. et al, *Cancer, Chemother. Rep.*, 57, 3 (1973); Bonmassar, E. et al, *Cancer Res.*, 35, 1957 (1975)

Ethyl 3-aminopyrazole-4-carboxylate

• Allopurinol impurity D
 • 3-Amino-4-pyrazolecarboxylic acid ethyl ester
 [6994-25-8] C₈H₉N₃O₂ 155.16

IE09849

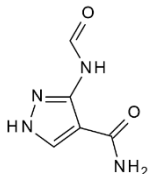
25g \$75.00
 50g \$125.00
 100g \$200.00

**3-(Formylamino)-1H-pyrazole-4-carboxamide**

• 3-Formamidopyrazole-4-carboxamide
 • Allopurinol impurity B
 [22407-20-1] C₅H₆N₄O₂ 154.13

IF23576

50mg \$160.00
 100mg \$245.00
 250mg \$390.00



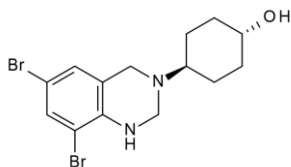
Refs: Krenitzky, T.A. et al, J. Biol. Chem, 244, 1263 (1969)

Ambroxol hydrochloride**Ambroxol hydrochloride impurity B**

[15942-08-2] C₁₄H₁₉Br₂ClN₂O 426.57

IA63603

250mg \$237.50
 500mg \$390.00
 1g \$598.00



HCl

**Ambroxol hydrochloride impurity C**

[50910-53-7] C₁₃H₁₆Br₂N₂O·HCl 412.55

IA63604

Price on Application

**Ambroxol hydrochloride impurity D**

IA63605

Price on Application

**cis-4-[[[(2-Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol**

• Ambroxol impurity D
 [107814-37-9] C₁₃H₁₈Br₂N₂O 378.1

IA156916

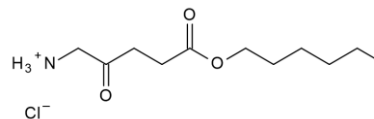
Price on Application

**Aminolevulinic acid****5-Aminolevulinic acid hexyl ester hydrochloride**

• Hexyl 5-amino-4-oxopentanoate hydrochloride
 [140898-91-5] C₁₁H₂₂NO₃Cl 251.75

IA31408

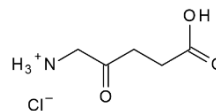
1g \$52.00
 2g \$80.00
 5g \$190.00

**5-Aminolevulinic acid hydrochloride**

• 5-Amino-4-oxopentanoic acid hydrochloride
 • δ-Aminolevulinic acid hydrochloride
 [5451-09-2] C₅H₉NO₃·HCl 167.59

IA15951

5g \$40.00
 10g \$70.00
 25g \$145.00



Aminolevulin

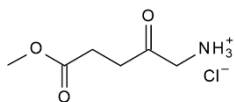
5-Aminolevulinic acid methyl ester hydrochloride

- 5-Amino-4-oxopentanoic acid methyl ester
- Methyl δ-aminolevulinatate hydrochloride

[79416-27-6] C₈H₁₁NO₃·HCl 181.62

IA16049

1g \$63.00
2g \$100.80
5g \$183.80



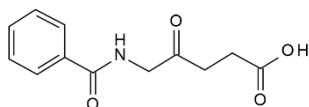
5-Benzamidolevulinic acid

- 5-(Benzoylamino)-4-oxo-pentanoic acid
- 5-Benzamido-4-oxopentanoic acid

[102872-00-4] C₁₂H₁₃NO₄ 235.24

IB64788

1mg \$50.00
2mg \$80.00
5mg \$125.00



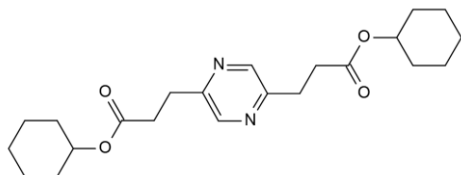
Dihexyl 3,3'-(pyrazine-2,5-diyl)dipropionate

- 2,5-(b-Carboxyethyl)pyrazine dihexyl ester
- Hexyl-3-[5-(2-hexyloxy-carbonyl-ethyl)pyrazin-2-yl]propionate
- 2,5-Pyrazinedipropionic acid, 2,5-dihexyl ester

[1241800-33-8] C₂₂H₃₆N₂O₄ 392.53

ID64790

1mg \$65.00
2mg \$100.00
5mg \$160.00

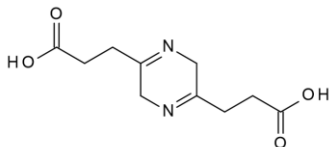


3,3'-(3,6-Dihydropyrazine-2,5-diyl)dipropionic acid

[77479-03-9] C₁₀H₁₄N₂O₄ 226.23

ID64789

Price on Application



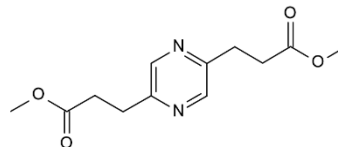
Methyl-3-[5-(2-methoxycarbonyl-ethyl)pyrazin-2-yl]propionate

- Dimethyl 3,3'-(pyrazine-2,5-diyl)dipropionate

[77479-01-7] C₁₂H₁₆N₂O₄ 252.27

IM07158

5mg \$70.00
10mg \$116.00
25mg \$225.00



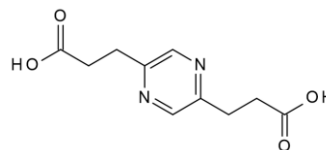
2,5-Pyrazinedipropionic acid

- 2,5-Dicarboxyethylpyrazine
- Aminolevulinic acid related compound A

[77479-02-8] C₁₀H₁₂N₂O₄ 224.21

IP76690

5mg \$50.00
10mg \$67.00
25mg \$80.00



Amiodarone

Amiodarone impurity D

C₁₈H₁₆I₂O₃ 534.13

IA63608

Price on Application



Amiodarone impurity E

C₁₉H₁₈O₃ 294.34

IA63609

Price on Application



Amiodarone N-oxide

[318267-30-0] C₂₅H₂₉I₂NO₄ 661.31

IA156918

Price on Application

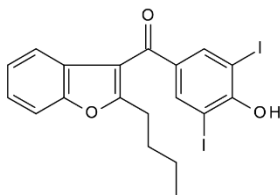


2-Butyl-3-(3,5-diiodo-4-hydroxybenzoyl)benzofuran

• (2-Butyl-benzofuran-3-yl)-(4-hydroxy-3,5-diiodo-phenyl)-methanone
[1951-26-4] C₁₉H₁₆I₂O₃ 546.14

IB19486

50g \$150.00
100g \$250.00
250g \$400.00



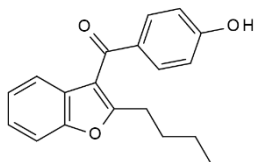
Refs: Stieger, H.R, et al, Eur. J. Clin. Pharmacol, 55, 807 (2000)

2-Butyl-3-(4-hydroxybenzoyl)benzofuran

• (2-Butyl-benzofuran-3-yl)-(4-hydroxy-phenyl)-methanone
• (2-Butylbenzofuran-3-yl)-(4-hydroxyphenyl)ketone
[52490-15-0] C₁₉H₁₈O₃ 294.34

IB19487

5g \$65.00
10g \$103.00
25g \$187.50



Refs: Stieger, H.R, et al, Eur. J. Clin. Pharmacol, 55, 807 (2000)

2-N-Butyl 3-(4-methoxy benzoyl)-benzofuran

[83790-87-8]

IB31765

Price on Application

**2-Chlorotriethylamine hydrochloride**

• 2-Chloro-N,N-diethyl-ethanamine hydrochloride
• (2-Chloroethyl)diethylamine hydrochloride
• 1-Chloro-2-(diethylamino)ethane hydrochloride
[869-24-9] C₈H₁₅Cl₂N 172.1

IC20401

250g \$70.00
500g \$105.00
1kg \$170.00

**De(diethylaminoethyl-5-iodo) amiodarone**

• (2-Butyl-3-benzofuranyl)(4-hydroxy-3-iodophenyl)methanone
• L 6424

[147030-50-0] C₁₉H₁₇I O₃ 420.24

ID20809

10mg \$139.80
25mg \$254.50
50mg \$462.00



Refs: Weir, S, et al, J. Pharm. Sci, 74, 460 (1985); Ramanathan, R, et al, Anal. Chem, 72, 1352 (2000)

Deiodo amiodarone

• (2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3-iodophenyl]methanone
• L 6355

[85642-08-6] C₂₅H₃₀INO₃ 519.42

ID20972

Price on Application



Refs: Weir, S, et al, J. Pharm. Sci, 74, 460 (1985); Ramanathan, R, et al, Anal. Chem, 72, 1352 (2000)

Desethyl amiodarone hydrochloride

• 2-Butyl-3-benzofuranyl-4-[2-(ethylamino)ethoxy]-3,5-diiodophenyl ketone hydrochloride
[96027-74-6] C₂₃H₂₆Cl₂NO₃ 653.72

ID21171

5mg \$140.00
10mg \$254.50
25mg \$463.00



Refs: Ha, H, et al, Eur. J. Clin. Pharmacol, 55, 807 (2000); Arai, K, et al, J. Biochem, 132, 529 (2002); Carson, B, et al, J. Med. Chem, 31, 623 (2002)

Dideiodo amiodarone

• (2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]phenyl]methanone
• 2-Butyl-3-benzofuranyl p-[2-(diethylamino)ethoxy]phenylketone
• L 3937

[23551-25-9] C₂₅H₃₁NO₃ 393.52

ID21728

25mg \$125.00
50mg \$227.00
100mg \$413.00



Refs: Weir, S, et al, J. Pharm. Sci, 74, 460 (1985); Ramanathan, R, et al, Anal. Chem, 72, 1352 (2000)

Amiodarone**Di(N-desethyl) amiodarone hydrochloride**

• [4-(2-Aminoethoxy)-3,5-diiodophenyl](2-butyl-3-benzofuranyl)methanone hydrochloride

- L 33530
- LB 32922

[757220-04-5] C₂₁H₂₂Cl₂NO₃ 625.67

ID21417

1mg \$254.40
2mg \$462.50
5mg \$840.90



Refs: Elvin, A, et al, J. Pharm. Sci, 69, 47 (1980)

1-Methoxy amiodarone[1087223-70-8] C₂₆H₃₁I₂NO₄ 675.34

IM25172

2mg \$655.80
5mg \$1192.40
10mg \$2167.90



Refs: Lesko, L, et al, J. Pharm. Sci, 70, 1366 (1981); Weir, S, et al, J. Pharm. Sci, 74, 460 (1985); Morzunova, T, et al, Pharm. Chem. J, 40, 158 (2006)

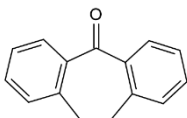
Amitriptyline**Dibenzosuberone**

- 10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-one
- 10,11-Dihydro-5H-dibenzo[a,d]cycloheptatrien-5-one
- 10,11-Dihydrodibenzo[a,d]cyclohepten-5-one

[1210-35-1] C₁₅H₁₂O 208.26

ID21532

50g \$34.50
100g \$53.00
250g \$80.00



Refs: Campbell, T. W, et al, Helv. Chimica Acta, 36, 1489 (1953); Stelt, C, et al, J. Med. Pharmaceut. Chem, 4, 335 (1961)

Amlodipine**5-O-Desethyl amlodipine**[1809326-44-0] C₁₈H₂₁ClN₂O₅ 380.82

ID153422

Price on Application

**3-O-Desethyl-5-O-desmethyl amlodipine**[1821498-25-2] C₁₇H₁₉ClN₂O₅ 366.8

ID153421

Price on Application

**3-O-Desmethyl amlodipine**[113994-37-9] C₁₉H₂₃ClN₂O₅ 394.85

ID153423

Price on Application

**N-[2-((Methylamino)carbonyl)benzoyl] amlodipine**[721958-72-1] C₂₉H₃₂ClN₃O₇ 570.03

IM156919

Price on Application

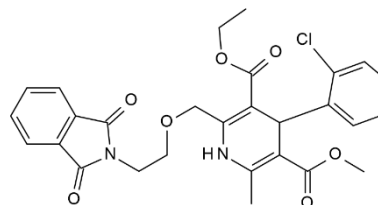
**Phthaloyl amlodipine**

- 4-(2-Chlorophenyl)-2-[[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)ethoxy]methyl]-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid 3-ethyl 5-methyl ester
- 4-(2-Chlorophenyl)-3-(ethoxycarbonyl)-5-(methoxycarbonyl)-6-methyl-2-[(2-phthalimidoethoxy)methyl]-1,4-dihydropyridine

[88150-62-3] C₂₈H₂₇ClN₂O₇ 538.98

IP27031

50mg \$140.00
100mg \$255.00
250mg \$462.50



Refs: Arrowsmith, J, et al, J. Med. Chem, 29, 1696 (1986); Sudhakar, P, et al, J. Pharm. Biomed. Anal, 40, 605 (2006)

Amlodipine besilate**Amlodipine besilate impurity A**

IA63610

Price on Application

**Amlodipine besilate impurity B**

IA63611

Price on Application

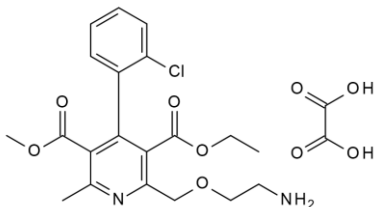
**Amlodipine besilate impurity D oxalate salt**

• Dehydro amlodipine oxalate

[1216406-90-4] C₂₂H₂₅ClN₂O₉ 496.89

IA63612

1mg	\$65.00
2mg	\$100.00
5mg	\$150.00

**Amlodipine besilate impurity D**[113994-41-5] C₂₀H₂₃ClN₂OS 478.39

IA63613

1mg	\$65.00
2mg	\$100.00
5mg	\$160.00

**Amlodipine diethyl ester**

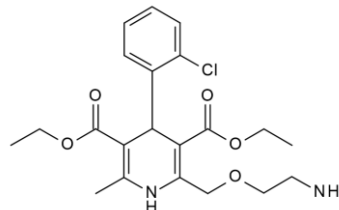
• 2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid 3,5-diethyl ester

• 3-Ethyl 5-ethyl 4-(2-chlorophenyl)-6-methyl-2-[[2-[(2-aminoethoxy)methyl]-1,4-dihydropyridine-3,5-dicarboxylate

[140171-65-9] C₂₁H₂₇ClN₂O₅ 422.9

IA17875

10mg	\$150.00
25mg	\$300.00
50mg	\$462.00



Refs: Coburn, R, et al, J. Med. Chem, 31, 2103 (1988); Gupta, S, et al, Eur. J. Med. Chem, 38, 867 (2003); Vazzana, I, et al, J. Med. Chem, 50, 334 (2007)

Amlodipine dimethyl ester

• 2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid 3,5-dimethyl ester

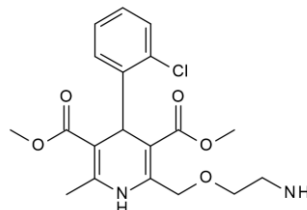
• 3-Methyl 5-methyl 4-(2-chlorophenyl)-6-methyl-2-[(2-aminoethoxy)methyl]-1,4-dihydropyridine-3,5-dicarboxylate

• Amlodipine impurity F

[140171-66-0] C₁₉H₂₃ClN₂O₅ 394.85

IA17876

10mg	\$240.00
25mg	\$480.00
50mg	\$768.50



Refs: Coburn, R, et al, J. Med. Chem, 31, 2103 (1988); Gupta, S, et al, Eur. J. Med. Chem, 38, 867 (2003); Vazzana, I, et al, J. Med. Chem, 50, 334 (2007)

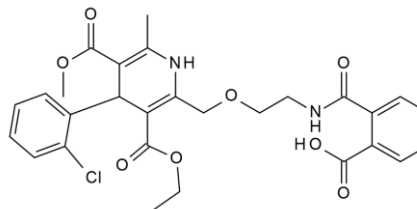
2-Carboxybenzoyl amlodipine

• 2-[[2-[(2-Carboxybenzoyl)amino]ethoxy]methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid 3-ethyl 5-methyl ester

[318465-73-5] C₂₈H₂₅ClN₂O₈ 556.99

IC19763

10mg	\$70.00
25mg	\$115.00
50mg	\$175.00



Amorolfine

Amorolfine

1,3-bis(1,1-Dimethylpropyl)benzene

[3370-27-2] C₁₆H₂₆ 218.38

ID157104

Price on Application



(1,2-Dimethylpropyl)benzene

[4481-30-5] C₁₁H₁₆ 148.24

ID157102

Price on Application



(1-Ethyl-1-methylpropyl)benzene

[1985-97-3] C₁₂H₁₈ 162.27

IE157103

Price on Application



Amoxicillin trihydrate

Amoxicillin trihydrate impurity C

- (4S)-2-[5-(4-Hydroxyphenyl)-3,6-dioxopiperazin-2-yl]-5,5-dimethylthiazolidine-4-carboxylic acid

- Amoxicillin diketopiperazine

- 2,5-Amoxipiperazinedione

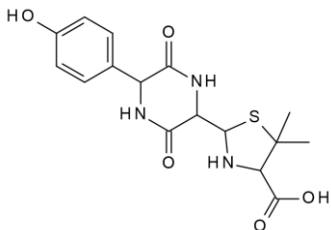
[94659-47-9] C₁₈H₁₉N₃O₅S 365.4

IA63617

1mg \$150.00

2mg \$240.00

5mg \$360.00



Amoxicillin trihydrate impurity G

- (2S,5R,6R)-6-((R)-2-((R)-2-Amino-2-(4-hydroxyphenyl)acetamido)-2-(4-hydroxyphenyl)acetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

- 4-OH-Phenylglycylamoxicillin

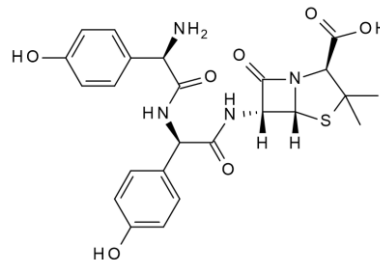
[188112-75-6] C₂₄H₂₈N₄O₇S 514.55

IA63621

2mg \$160.00

5mg \$300.00

10mg \$520.00



Amoxicillin trihydrate impurity H

- (2R)-2-[(2,2-Dimethylpropanoyl)amino]-2-(4-hydroxyphenyl)acetic acid

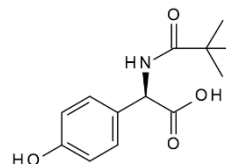
[205826-86-4] C₁₃H₁₇NO₄ 251.28

IA63622

500mg \$200.00

1g \$300.00

2g \$520.00



Anagrelide

2-Amino-5,6-dichloro-3,4-dihydroquinazoline hydrobromide

- 5,6-Dichloro-1,4-dihydro-2-quinazolinamine hydrobromide

- RL 603

[327602-34-6] C₈H₈BrCl₂N₃ 296.98

IA17599

50mg \$140.00

100mg \$255.00

250mg \$462.50



Refs: Gaddum, J, et al, Br. J. Pharmacol, 12, 323 (1957); Shen, Y, et al, J. Biol. Chem, 268, 18200 (1993); Oliver, K, et al, Brain Res. 867, 131 (2000)

2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid benzyl ester hydrobromide[1391053-41-0] C₁₇H₁₅Cl₂N₃O₂ 364.23

IA139091

Price on Application

**2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid ethyl ester hydrobromide**[70381-75-8] C₁₂H₁₄BrCl₂N₃O₂ 383.07

IA61362

5mg	\$60.00
10mg	\$100.00
25mg	\$170.00

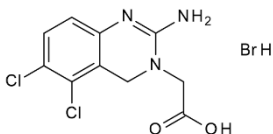
**2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid hydrobromide**

• Anagrelide impurity B

[1194434-39-3] C₁₀H₁₀BrCl₂N₃O₂ 355.02

IA17598

1mg	\$254.40
2mg	\$462.50
5mg	\$840.90



Refs: Molamas, M.S, et al, J. Med. Chem, 34, 1492 (1991); Brogden, R.N, et al, Drugs, 47, 809 (1994); Brase, S, et al, Bioorg. Med. Chem. Lett, 10, 2415 (2002)

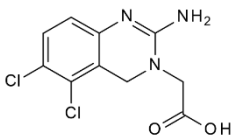
2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid

• Anagrelide impurity B

[1159977-03-3] C₁₀H₉Cl₂N₃O₂ 274.1

IA17597

1mg	\$254.40
2mg	\$462.50
5mg	\$900.00



Refs: Molamas, M.S, et al, J. Med. Chem, 34, 1492 (1991); Brogden, R.N, et al, Drugs, 47, 809 (1994); Brase, S, et al, Bioorg. Med. Chem. Lett, 10, 2415 (2002)

Dechloro anagrelide[61834-95-5] C₁₀H₈ClNO₃ 225.63

ID139092

Price on Application

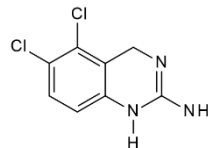
**5,6-Dichloro-1,4-dihydro-2-quinazolinamine**

• Anagrelide impurity 5

[444904-63-6] C₈H₇Cl₂N₃ 216.07

ID10269

250mg	\$1050.00
500mg	\$1575.00
1g	\$2625.00

**N-(5,6-Dichloro-1,4-dihydro-2-quinazolinyl)-2,3-dihydroxypropanamide**

2,2,2-trifluoroacetate

[875467-42-8] C₁₃H₁₂Cl₂F₃N₃O₅ 418.15

ID101825

Price on Application

**Ethyl 2-(6-amino-2,3-dichlorobenzyl)glycine**

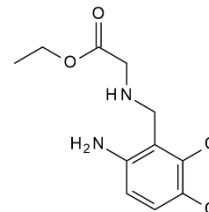
• Anagrelide impurity A

• N-[(6-Amino-2,3-dichlorophenyl)methyl]glycine ethyl ester

[70406-92-7] C₁₁H₁₄Cl₂N₂O₂ 277.15

IE22945

100mg	\$60.00
250mg	\$97.50
500mg	\$150.00



Refs: Molamas, M.S, et al, J. Med. Chem, 34, 1492 (1991); Brogden, R.N, et al, Drugs, 47, 809 (1994); Brase, S, et al, Bioorg. Med. Chem. Lett, 10, 2415 (2002)

Anagrelide

Methyl 2-(2-amino-5,6-dichloro-4h-quinazolin-3-yl)acetate - HBr salt

• Anagrelide impurity 1

[752151-24-9] C₁₁H₁₁Cl₂N₃O₂ 288.13

IM61360

5mg	\$60.00
10mg	\$80.00
25mg	\$125.00



Anastrozole

Anastrozole dimer impurity

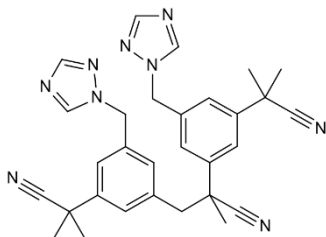
• 2,3-Bis[3-(1-cyano-1-methylethyl)-5-(1H,1,2,3-triazole-1-ylmethyl)phenyl]-2-methylpropionitrile

• Anastrozole impurity C

[1216898-82-6] C₃₀H₃₁N₉ 517.63

IA17900

500ug	\$600.00
1mg	\$950.00
2mg	\$1800.00

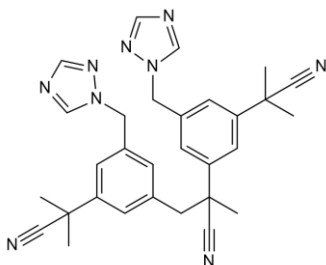


Anastrozole dimer impurity - 65%

[1216898-82-6] C₃₀H₃₁N₉ 517.63

IA61497

2mg	\$800.00
5mg	\$1000.00
10mg	\$1500.00

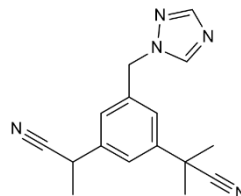
 α -Desmethyl anastrozole

• 2-[3-(1-Cyanoethyl)-5-(1H,1,2,4-triazole-1-ylmethyl)phenyl]-2-methylpropionitrile

• α 1, α 3-Trimethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1,3-benzenediacetonitrile[1215780-15-6] C₁₈H₁₇N₅ 279.34

ID21236

1mg	\$280.00
2mg	\$550.00
5mg	\$1250.00



Di-desmethyl anastrozole dimer impurity

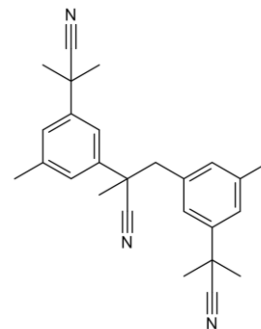
• α 1-[[3-(1-Cyano-1-methylethyl)-5-methylphenyl]methyl]- α 1, α 3, α 5-tetramethyl-1,3-benzenediacetonitrile

• Anastrozole impurity A

[918312-71-7] C₂₆H₂₉N₃ 383.53

ID21754

1mg	\$325.00
2mg	\$590.00
5mg	\$1250.00

 $\alpha, \alpha, \alpha, \alpha$ -Tetramethyl-5-bromomethyl-1,3-benzenediacetonitrile• 5-(Bromomethyl)- α 1, α 1, α 3, α 3-tetramethyl-1,3-benzenediacetonitrile

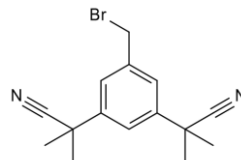
• 3,5-Bis(1-cyano-1-methylethyl)benzyl bromide

• Anastrozole impurity C

[120511-84-4] C₁₅H₁₇BrN₂ 305.21

IT28173

50mg	\$120.50
100mg	\$219.00
250mg	\$475.00



Refs: Ge, Z, et al, J. Med. Chem, 13, 146

a,a,a',a'-Tetramethyl-5-(dibromomethyl)-1,3-benzenediacetonitrile

• 2,2'-[5-(Dibromomethyl)-1,3-phenylene]-bis(methylpropionitrile)

• Anastrozole impurity D

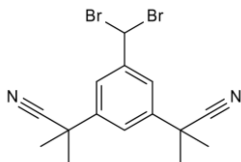
[1027160-12-8] C₁₅H₁₆Br₂N₂ 384.11

IT28172

5mg \$140.00

10mg \$250.00

25mg \$525.00



Refs: Ge, Z, et al, J. Med. Chem, 13, 146

Atorvastatin**Atorvastatin amide**

• Atorvastatin impurity F

• (3R,5R)-7-[[[(3R,5R)-7-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoyl]amino]-3,5-dihydroxyheptanoic acid

[887196-24-9] C₄₀H₄₈FN₃O₈ 717.82

IA71943

Price on Application

**Atorvastatin epoxydione impurity**

• 3-(4-Fluorobenzoyl)-2-(2-methyl-1-oxopropyl)-N,3-diphenylloxiranecarboxamide

• Atorvastatin impurity D

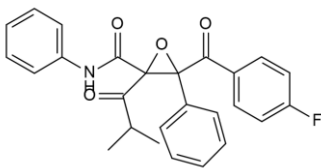
[148146-51-4] C₂₆H₂₂FNO₄ 431.46

IA18016

5mg \$175.00

10mg \$280.00

25mg \$400.00



Refs: Roth, B, et al, J. Med. Chem, 34, 357 (1991); Lea, A, et al, Drugs, 53, 828 (1997); Black, A, et al, Drug Metab. Dispos, 27, 916 (1999)

Atorvastatin epoxy tetrahydrofuran impurity

• 4-(4-Fluorophenyl)-2,4-dihydroxy-2-(1-methylethyl)-N,5-diphenyl-3,6-

dioxabicyclo[3.1.0]hexane-1-carboxamide

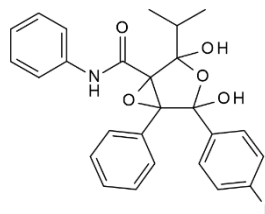
[873950-19-7] C₂₆H₂₄FNO₅ 449.47

IA18015

5mg \$1150.00

10mg \$1700.00

25mg \$2400.00



Refs: Kracun, M, et al, J. Pharmac. Biomed. Anal, 50, 729 (2009)

Atorvastatin lactam phenanthrene calcium salt impurity

• [3R-[1(β-R*, δR*),3R*]]-9-Fluoro-2,3-dihydro-β,δ-dihydroxy-3-(1-methylethyl)-2-oxo-3-[(phenylamino)carbonyl]-1H-dibenz[e,g]indole-1-heptanoic acid calcium salt

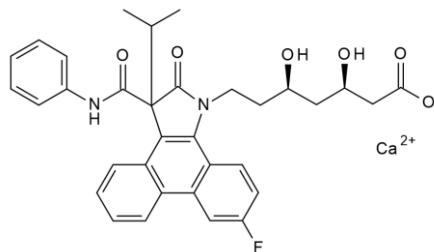
[148127-12-2] C₆₆H₆₄CaF₂N₄O₁₂ 1183.31

IA18017

1mg \$315.00

2mg \$566.00

5mg \$1085.00

**Atorvastatin lactam sodium salt impurity**

• (b-R,δR)-5-(4-Fluorophenyl)-2,3-dihydro-b,δ-dihydroxy-3-(1-methylethyl)-2-oxo-4-phenyl-3-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid sodium salt

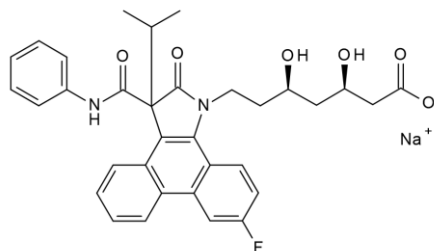
[148217-40-7] C₃₃H₃₂FN₂NaO₆ 594.61

IA18018

1mg \$455.00

2mg \$750.00

5mg \$1500.00



Refs: Roger, D, et al, Clin. Exp. Dermatol, 19, 88

Atorvastatin

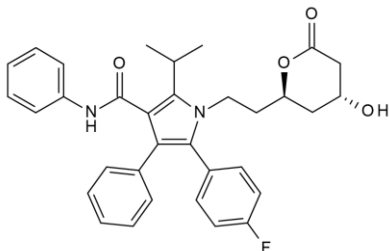
Atorvastatin lactone

- 5-(4-Fluorophenyl)-2-(1-methylethyl)-N,4-diphenyl-1-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1H-pyrrole-3-carboxamide
- Atorvastatin related compound H

[125995-03-1] C₃₃H₃₃FN₂O₄ 540.62

IA18019

25mg	\$100.00
50mg	\$150.00
100mg	\$200.00



Refs: Boyd, R, et al, J. Clin. Pharmacol, 40, 91, (2000); Bogman, K, et al, Br. J. Pharmacol, 132, 1183 (2001); Backman, J, et al, Clin. Pharmacol. Ther, 72, 685 (2002); Kalvass, J, et al, Drug Metab. Dispos, 35, 455(2007)

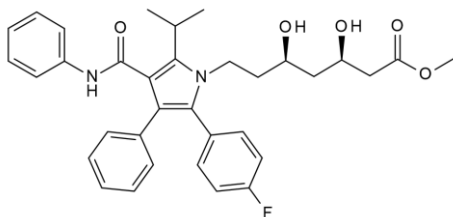
Atorvastatin methyl ester

- (b-R,δR)-2-(4-Fluorophenyl)-b,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid methyl ester
- Methyl (βR,δR)-2-(4-fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoate

[345891-62-5] C₃₄H₃₇FN₂O₅ 572.67

IA18021

1mg	\$75.00
2mg	\$110.00
5mg	\$210.00



Refs: Graul, A, et al, Drugs Future, 22, 956

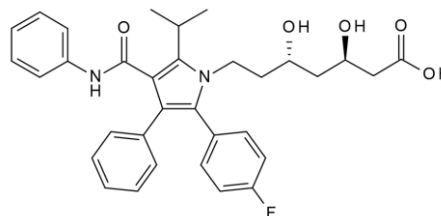
(3R,5S)-Atorvastatin sodium salt

- (b-R,δS)-2-(4-Fluorophenyl)-b,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid sodium salt

[131275-93-9] C₃₃H₃₄FN₂NaO₅ 580.62

IA18022

1mg	\$187.00
2mg	\$300.00
5mg	\$600.00



Refs: Posvar, E, et al, J. Clin. Pharmacol, 36, 728 (1996); Lea, A, et al, Drugs, 53, 828 (1997); Miao, X, et al, J. Chromatogr, 998, 133 (2003)

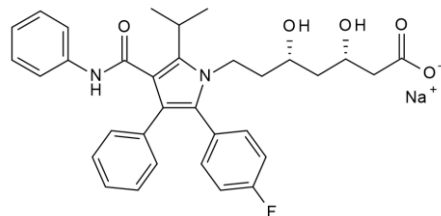
(3S,5S)-Atorvastatin sodium salt

- (b-S,δS)-2-(4-Fluorophenyl)-b,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid sodium
- 3S,5S-Atorvastatin sodium
- Atorvastatin impurity E

[501121-34-2] C₃₃H₃₄FN₂NaO₅ 580.62

IA18023

2mg	\$139.90
5mg	\$254.40
10mg	\$462.50



Refs: Kearney, A.S, et al, Pharm. Res, 10, 1461 (1993); Heinonen, T.M, et al, Clin. Ther, 18, 853 (1996); Whitfield, L.R, et al, Eur. J. Drug Metab. Pharmacokinet, 25, 97 (2000)

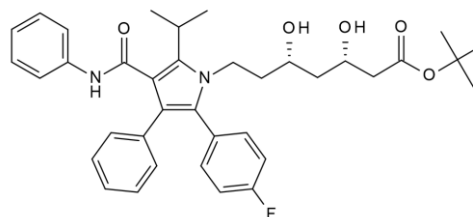
Atorvastatin tert-butyl ester

- (b-R,δR)-2-(4-Fluorophenyl)-b,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid 1,1-dimethylethyl ester

[134395-00-9] C₃₇H₄₃FN₂O₅ 614.75

IA18024

5mg	\$60.00
10mg	\$95.00
25mg	\$195.00



(betaR,deltaR)-beta,delta-Dihydroxy-2-(1-methylethyl)-4,5-diphenyl-3-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid calcium salt (2:1)

- Atorvastatin impurity A
 - Atorvastatin related compound A
 - Defluoro atorvastatin calcium salt
- [433289-83-9] (C₃₃H₃₆N₂O₅)₂Ca 1121.38

ID156826

1mg \$140.00
2mg \$220.00
5mg \$385.00

**(betaS,deltaS)-2-(4-Fluorophenyl)-beta,delta-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid calcium salt (2:1)**

- Atorvastatin related compound E
 - (3S,5S)-Atorvastatin calcium salt
- [1105067-88-6] (C₃₃H₃₄FN₂O₅)₂Ca 1155.34

IF156840

Price on Application

**(bS,deltaR)-2-(4-Fluorophenyl)-beta,delta-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid calcium salt**

- (3S,5R)-Atorvastatin calcium salt
 - Atorvastatin related compound B
- [887196-25-0] (C₃₃H₃₄FN₂O₅)₂Ca 1155.34

IA76164

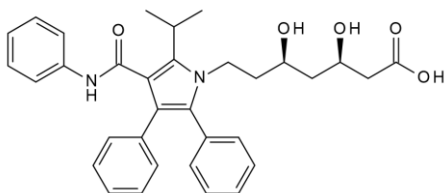
Price on Application

**Desfluoro atorvastatin**

- Atorvastatin impurity A
 - (3R,5R)-3,5-dihydroxy-7-[5-(1-methylethyl)-2,3-diphenyl-4-(phenylcarbonyl)-1H-pyrrol-1-yl]heptanoic acid
- [433289-84-0] C₃₃H₃₆N₂O₅ 540.65

ID71941

5mg \$50.00
10mg \$80.00
25mg \$150.00

**Difluoro atorvastatin**

- (b-R,deltaR)-2,3-Bis(4-fluorophenyl)-b,delta-dihydroxy-5-(1-methylethyl)-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic Acid
- [693794-20-6] C₃₃H₃₄F₂N₂O₅ 576.63

ID21849

2mg \$139.90
5mg \$254.40
10mg \$462.50



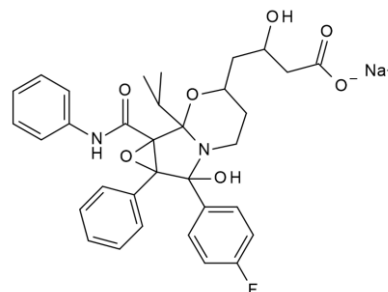
Refs: Dart, A, et al, Am. J. Cardiol, 80, 39 (1997)

7-(4-Fluorophenyl)hexahydro-b,7-dihydroxy-1b-(1-methylethyl)-7a-phenyl-1a-[(phenylamino)carbonyl]-3H-oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanolic acid sodium salt

- Atorvastatin cyclic sodium salt (isopropyl) impurity
- [1316291-19-6] C₃₃H₃₄FN₂NaO₇ 612.62

IF74960

250ug \$425.00
500ug \$725.00
1mg \$1100.00

**7-(4-Fluorophenyl)hexahydro-b,7-dihydroxy-1b-(1-methylethyl)-7a-phenyl-1a-[(phenylamino)carbonyl]-3H-oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanolic acid**

- Atorvastatin cyclic isopropyl impurity
- [873950-17-5] C₃₃H₃₅FN₂O₇ 590.64

IF63627

Price on Application



Atorvastatin

3H-Oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanoic acid, 1b-(4-fluorophenyl)hexahydro-b,7-dihydroxy-7-(1-methylethyl)-1a-phenyl-7a-[(phenylamino)carbonyl]-sodium salt

• Atorvastatin cyclic (fluorophenyl) sodium salt
[1315629-79-8] C₃₃H₃₄FN₂NaO₇ 612.62

IO76438

500ug \$290.00
1mg \$500.00
2mg \$850.00

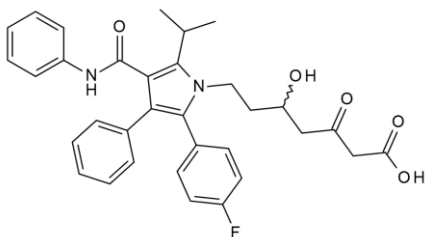


rac-3-Oxo atorvastatin sodium salt

• 2-(4-Fluorophenyl)-hydroxy-5-(1-methylethyl)-beta-oxo-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic Acid Sodium Salt
[1391052-00-8] C₃₃H₃₂FN₂NaO₅ 578.61

IO26638

1mg \$500.00
2mg \$800.00
5mg \$1850.00



(βR, δR)-2,3-Bis(4-fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid hemicalcium salt

• Calcium (βR, δR)-2,3-bis(4-fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoate
• Difluoro atorvastatin calcium salt
• Atorvastatin related compound C

[693793-53-2] (C₃₃H₃₄F₂N₂O₅)₂Ca 1193.34

IA104320

Price on Application



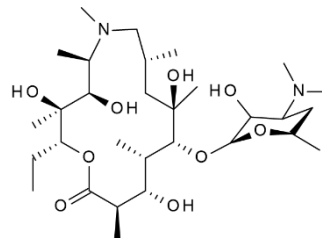
Azithromycin

Azithromycin impurity J

• Desosaminylazithromycin
[117693-41-1] C₃₀H₅₈N₂O₉ 590.79

IA63634

10mg \$185.00
25mg \$355.00
50mg \$590.00

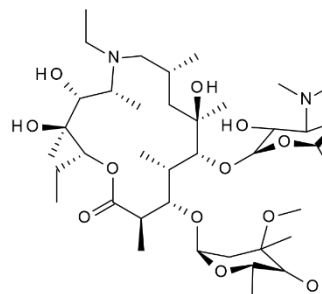


Azithromycin N-ethyl

[92594-45-1] C₃₉H₇₄N₂O₁₂ 763.01

IA137488

Price on Application

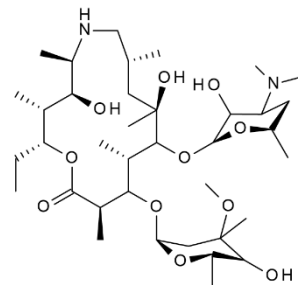


N-Desmethyl azithromycin B

[857078-26-3] C₃₇H₇₀N₂O₁₁ 718.96

ID137492

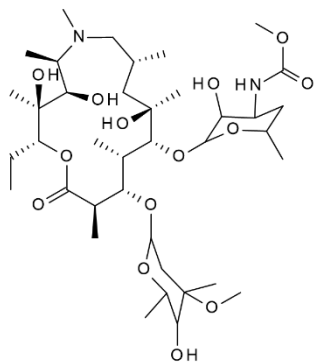
Price on Application



3'-N,N-Didesmethyl-N-(methoxycarbonyl) azithromycinC₃₉H₇₇N₂O₁₄ 795.01

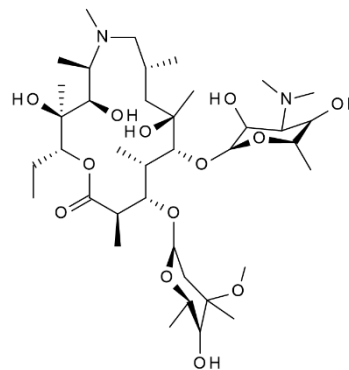
ID137493

Price on Application

**4-Hydroxy azithromycin**[756825-20-4] C₃₈H₇₂N₂O₁₃ 764.98

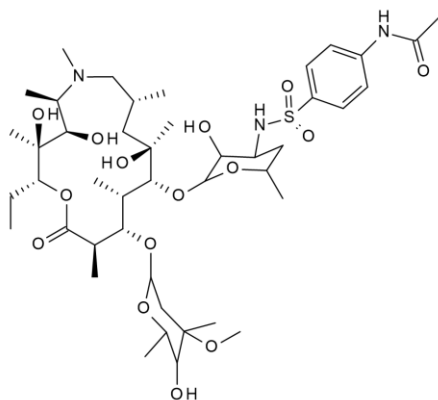
IH137487

Price on Application

**3-N-didesmethyl-3-N-tosyl azithromycin**C₄₅H₇₉N₃O₁₅S 934.19

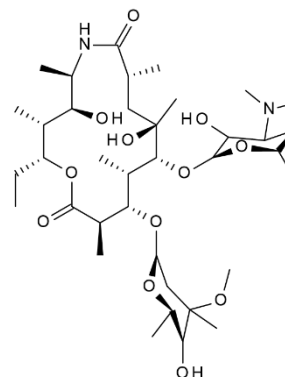
IN137490

Price on Application

**9-Oxo azithromycin B**C₃₇H₆₈N₂O₁₂ 732.94

IO137491

Price on Application

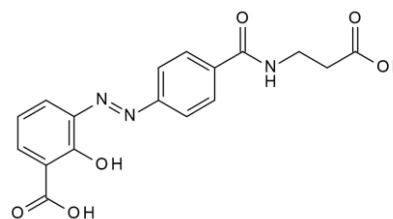
**Balsalazide****Balsalazide 3-isomer**

- 3-[(1E)-2-[4-[[[(2-Carboxyethyl)amino]carbonyl]phenyl]diazanyl]-2-hydroxybenzoic acid
- (E)-3-[4-(2-Carboxyethylcarbamoyl)phenylazo]salicylic acid
- Balsalazide impurity 2

[1242567-09-4] C₁₇H₁₅N₃O₆ 357.32

IB18132

Price on Application



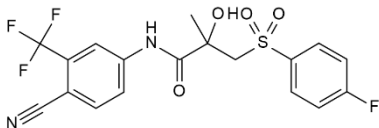
N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulfinyl]-2-hydroxy-2-methylpropanamide

- Bicalutamide
- ICI-176334
- Casodex

[90357-06-5] C₁₈H₁₄F₄N₂O₄S 430.37

IC58278

500mg	\$60.00
1g	\$90.00
2g	\$144.00

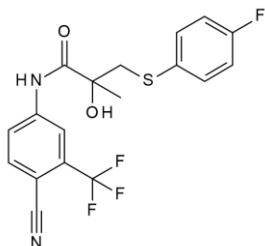
**N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)thio]-2-hydroxy-2-methylpropanamide**

- N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)thio]-2-hydroxy-2-methylpropanamide

[90356-78-8] C₁₈H₁₄F₄N₂O₂S 398.37

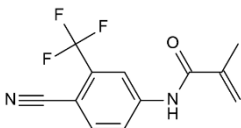
IC58275

Price on Application

**N-[4-Cyano-3-(trifluoromethyl)phenyl]-2-methylacrylamide**[90357-53-2] C₁₂H₉F₃N₂O 254.21

IC58273

5g	\$50.00
10g	\$80.00
25g	\$150.00

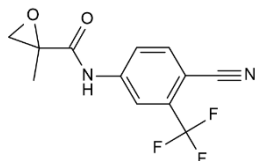
**N-[4-Cyano-3-(trifluoromethyl)phenyl]-2-methyloxirane-2-carboxamide**

- N-[4-Cyano-3-(trifluoromethyl)phenyl]methacrylamide epoxide
- Bicalutamide epoxide impurity

[90357-51-0] C₁₂H₉F₃N₂O₂ 270.21

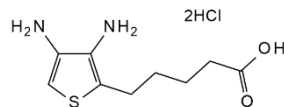
IC58274

25g	\$50.00
50g	\$89.00
100g	\$142.00

**Biotin****Biotin impurity C 2HCl**C₉H₁₆N₂O₂SCl₂ 287.21

IB76628

1mg	\$865.00
2mg	\$1332.00
5mg	\$2000.00

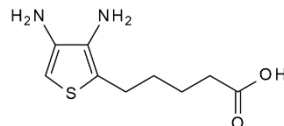
**Biotin impurity C**

- 3,4-Diamino-2-thiophenepentanoic acid

[412308-26-0] C₉H₁₄N₂O₂S 214.28

IB45900

1mg	\$720.00
2mg	\$1100.00
5mg	\$1760.00

**Bisoprolol****Bisoprolol fumarate impurity G**

IB157247

Price on Application

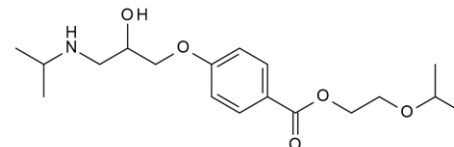
**Keto bisoprolol**

- 4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]benzoic acid 2-(1-methylethoxy)ethyl ester
- 2-Isopropoxyethyl-4-[[[(2RS)-2-hydroxy-3-(isopropylamino)propyl]oxy]benzoate
- Bisoprolol ester impurity

[864544-37-6] C₁₈H₂₉NO₅ 339.43

IK24763

25mg	\$250.00
50mg	\$400.00
100mg	\$700.00



Refs: Tattersfield, A.E, et al, Brit. J. Clin. Pharmacol, 18, 343 (1984); Kohli, R.S, et al, Eur. Heart J, 6, 845 (1985); Zachariah, P.K, et al, Clin. Ther, 15, 779 (1993)

Bosentan

Bosentan

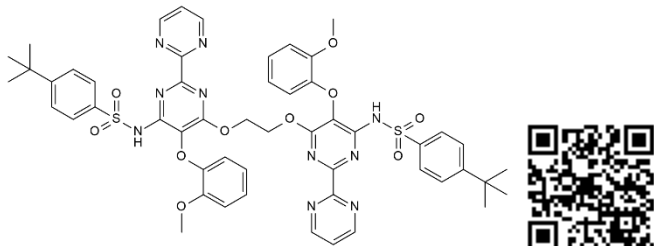
Bosentan impurity C

- N,N'-[1,2-Ethanediy]bis[oxy[5-(2-methoxyphenoxy)[2,2'-bipyrimidine]-6,4-diy]]]bis[4-(1,1-dimethylethyl)benzenesulfonamide]
- Bosentan dimer
- 1,2-Bis-((6-[4-(tert-butyl)phenylsulfonamido]-5-(2-methoxyphenoxy)-[2,2'-bipyrimidin]-4-yl)oxy)ethane

[1097263-60-9] C₅₂H₅₂N₁₀O₁₀S₂ 1041.16

IB64076

5mg \$540.00
10mg \$860.00
25mg \$1565.00



Brexipiprazole

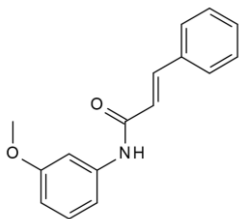
Brexipiprazole impurity 10

- (E)-N-(3-Methoxyphenyl)cinnamamide

[15116-41-3] C₁₆H₁₅NO₂ 253.3

IB106465

Price on Application

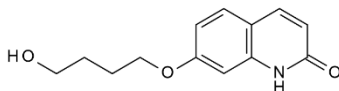


Brexipiprazole impurity 11

[1886188-97-1] C₁₃H₁₅NO₃ 233.26

IB106467

Price on Application



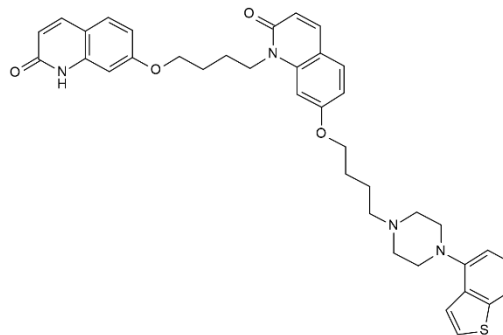
Brexipiprazole impurity 2

- 1-(4-(1,2-Dihydro-2-oxoquinolin-7-yloxy)butyl)-7-(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinolin-2(1H)-one

C₃₈H₄₀N₄O₄S 648.81

IB106466

Price on Application



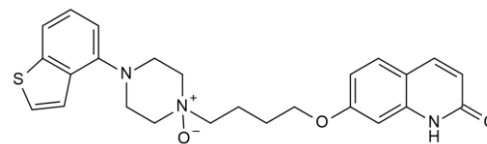
Brexipiprazole impurity 3

- Brexipiprazole N-Oxide

C₂₅H₂₇N₃O₃S 449.57

IB106464

Price on Application



Bromazepam

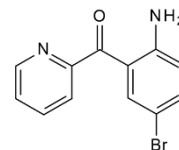
2-(2-Amino-5-bromobenzoyl)pyridine

- 2-Amino-5-bromophenyl 2-pyridyl ketone
- 2-Amino-5-bromophenyl-2-pyridylmethanone
- Bromazepam impurity A

[1563-56-0] C₁₂H₉BrN₂O 277.12

IA17613

2mg \$60.00
5mg \$90.00
10mg \$140.00



Refs: Panderi, I, et al, J. Pharm. Biomed. Anal, 17, 327 (1998)

Buprenorphine

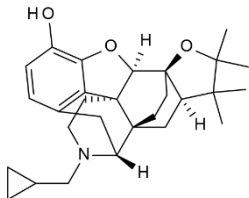
Buprenorphine furanyl impurity

- Buprenorphine impurity I
- [8R-(4bS*,8a,8a-a,9a-b,12a-a,12b-b)]-7-(Cyclopropylmethyl)-5,6,7,8,9,9a,10,11-octahydro-10,10,11,11-tetramethyl-8a,12a-ethano-4,8-methano-12bH-benzofuro[3,2-e]furo[2,3-g]isoquinolin-1-ol
- (4bS,8R,8aS,9aR,12aR,12bR)-7-(Cyclopropylmethyl)-5,6,7,8,9,9a,10,11-octahydro-10,10,11,11-tetramethyl-8a,12a-ethano-4,8-methano-12bH-benzofuro[3,2-e]furo[2,3-g]isoquinolin-1-ol

[89663-73-0] C₂₈H₃₇NO₃ 435.6

IB19360

Price on Application



Refs: Cone, E. et al, J. Chrom. Biomed. Appl, 337, 291 (1985); Garrett, E. et al, J. Pharmac. Sci, 74, 515 (1985)

Busulfan

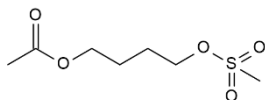
1-Acetate 4-methanesulfonate 1,4-butanediol

- 4-((Methylsulfonyl)oxy)butyl acetate
- Busulfan impurity 5

[19859-00-8] C₇H₁₄O₅S 210.25

IA76400

1mg \$100.00
2mg \$160.00
5mg \$312.50



Busulfan propyl mesylate

- Busulfan impurity 2
- 4-((Methylsulfonyl)oxy)butyl 4-((methylsulfonyl)oxy)butane-1-sulfonate

C₁₀H₂₂O₉S₃ 382.47

IB145500

Price on Application



4-Methanesulfonyloxybutanol

- Busulfan impurity 4

[42729-95-3] C₈H₁₂O₄S 168.21

IM145656

Price on Application



Calcipotriol

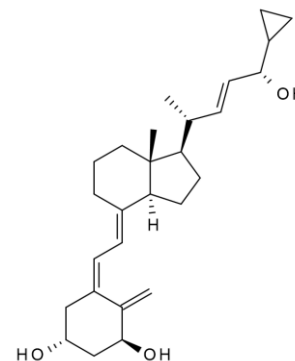
(24R)-Calcipotriene

- Calcipotriol impurity D
- 5-[(2E)-2-[(1R,3aS,7aR)-1-[(1R,2E,4R)-4-Cyclopropyl-4-hydroxy-1-methyl-2-buten-1-yl]octahydro-7a-methyl-4H-inden-4-ylidene]ethylidene]-4-methylene-1,3-cyclohexanediol

[112827-99-3] C₂₇H₄₀O₃ 412.6

IC76464

Price on Application



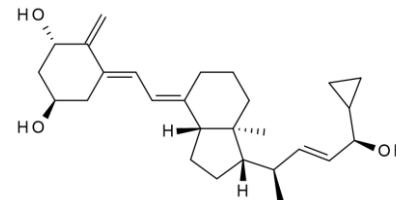
(5E)-Calcipotriene

- (1S,3S,5E)-5-[(2E)-2-[(1R,3aS,7aR)-1-[(1R,2E,4S)-4-Cyclopropyl-4-hydroxy-1-methyl-2-buten-1-yl]octahydro-7a-methyl-4H-inden-4-ylidene]ethylidene]-4-methylene-1,3-cyclohexanediol
- 5,6-trans-Calcipotriol
- Calcipotriol impurity C

[113082-99-8] C₂₇H₄₀O₃ 412.6

IC19633

1mg \$625.00
2mg \$750.00
5mg \$1000.00



Refs: Wietrzyk, J. et al, Anti-Cancer Drugs, 18, 447 (2007); Wietrzyk, J. et al, Anticancer Res, 27, 3387 (2007); Filip, B. et al, J. Ster. Biochem. Mol. Biol, 121, 399 (2010)

Candesartan

Candesartan

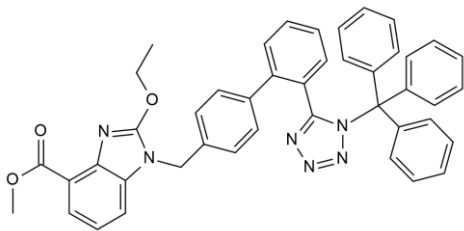
2-Ethoxy-1-[[2'-[1-(trityl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-4-carboxylic acid methyl ester

- 2-Ethoxy-1-[[2'-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-4-carboxylic acid methyl ester
- Candesartan Methyl Ester N1-Trityl Analog
- Candesartan impurity

[150058-29-0] C₄₄H₃₈N₆O₃ 696.8

IE22869

5mg \$140.00
10mg \$254.50
25mg \$463.00



Refs: Kubo, K, et al, J. Med. Chem, 36, 2182 (1993)

Carprofen

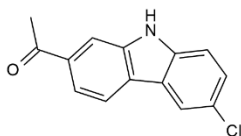
1-(6-Chloro-9H-carbazol-2-yl)ethanone

- Carprofen impurity

[92841-22-0] C₁₄H₁₀ClNO 243.69

IC20177

1mg \$125.00
2mg \$227.10
5mg \$413.00



Refs: Williams, R, et al, J. Clin. Pharmacol, 21, 493 (1981)

Caspofungin

Caspofungin impurity A

[1202167-57-4] C₅₁H₈₆N₁₀O₁₅ 1079.29

IC139026

Price on Application



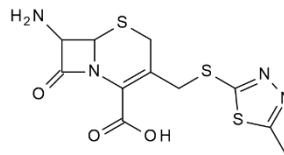
Cefazolin

Cefazolin impurity A

[30246-33-4] C₁₁H₁₂N₄O₃S₃ 344.44

IC63651

1mg \$160.00
2mg \$240.00
5mg \$500.00



Cefdinir

(Z)-2-(2-Aminothiazol-4-yl)-2-(hydroxyimino)-N-[[[(2RS,5RS)-5-methyl-7-oxo-2,4,5,7-tetrahydro-1H-furo[3,4-d][1,3]thiazin-2-yl]methyl]acetamide dihydrochloride - >80%, Mixture of Diastereomers

C₁₃H₁₅N₅O₄S₂·2HCl 442.34

IA146455

1mg \$88.00
2mg \$140.00
5mg \$280.00

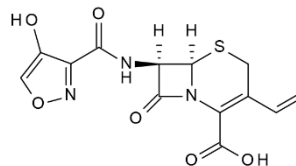


Cefdinir impurity F

[1356842-10-8] C₁₃H₁₁N₅O₆S 337.31

IC63666

1mg \$300.00
2mg \$500.00
5mg \$1100.00

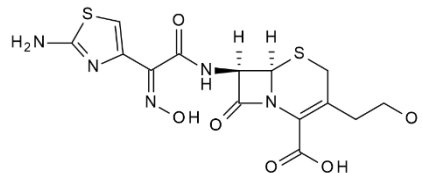


Cefdinir impurity H

C₁₄H₁₅N₅O₆S₂ 413.43

IC138541

Price on Application

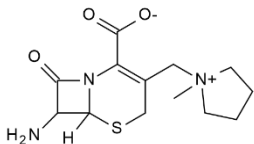


Cefepime**NMP-ACA (cefepime impurity)**

- 1-[[[(6R,7R)-7-Amino-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-1-methylpyrrolidinium inner salt
- (6R-trans-NMP-ACA)
- 7-Amino-3-(1-methylpyrrolidino)methyl-3-cephem-4-carboxylate inner salt [103296-32-8] C₁₃H₁₉N₃O₃S 297.37

IN26393

25mg \$140.00
50mg \$254.50
100mg \$462.00

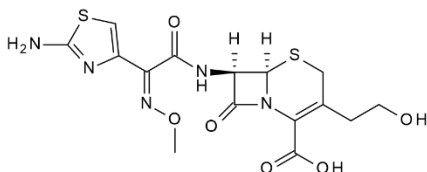


Refs: Lee, Y, et al, J. Antibiot, 47, 609 (1994)

Cefotaxime sodium**Cefotaxime sodium impurity B**[66340-28-1] C₁₄H₁₅N₅O₆S₂ 413.43

IC63684

10mg \$160.00
25mg \$287.50
50mg \$450.00

**Cefotaxime sodium impurity C**[66403-32-5] C₁₇H₁₇N₅O₆S₂ 483.48

IC63685

Price on Application

**Cefotaxime sodium impurity D**[65715-12-0] C₁₆H₁₆N₅O₇S₂Na 477.45

IC63686

Price on Application

**Cefotaxime sodium impurity F**[175032-97-0] C₃₀H₃₀N₁₀O₁₂S₄ 850.88

IC63687

Price on Application

**Cefotaxime sodium impurity G**C₂₂H₂₁N₅O₉S₃ 637.65

IC63688

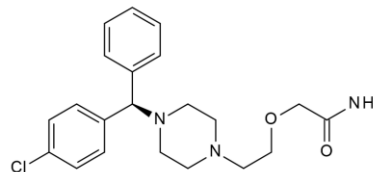
Price on Application

**Cetirizine dihydrochloride****Cetirizine amide dihydrochloride**

- (RS)-2-[2-[4-[(4-chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]acetamide dihydrochloride
- Cetirizine impurity 8 DiHCl [200707-85-3] C₂₁H₂₈Cl₃N₃O₂ 460.82

IC19910

1mg \$254.40
2mg \$462.50
5mg \$840.90



ClH
ClH



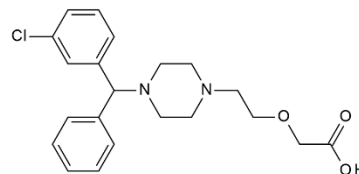
Refs: Campoli-Richards, D.M, et al, Drugs, 40, 762 (1990); Pandya, K.K, et al, J. Pharm. Pharmacol, 48, 510 (1996); Zaater, M.F, et al, J. Pharm. Biomed. Anal, 22, 739 (2000)

Cetirizine 3-chloro impurity dihydrochloride

- 2-[2-[4-[(3-Chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]acetic acid hydrochloride [1232460-29-5] C₂₁H₂₇Cl₃N₂O₃ 461.81

IC19908

1mg \$139.90
2mg \$254.40
5mg \$462.50



ClH
ClH



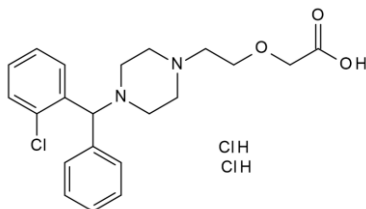
Refs: Gengo, F.M, et al, Clin. Pharmacol. Therapeutics, 42, 265 (1987)

Cetirizine d**Cetirizine dihydrochloride impurity C**

• Cetirizine 2-Chloro impurity dihydrochloride
[83881-59-8] $C_{21}H_{27}Cl_3N_2O_3$ 461.81

IC46027

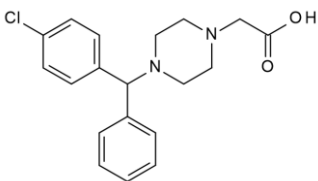
50mg \$975.00
100mg \$1572.00

**Cetirizine impurity B**

• De(carboxymethoxy) cetirizine acetic acid
[113740-61-7] $C_{19}H_{21}ClN_2O_2$ 344.84

IC46026

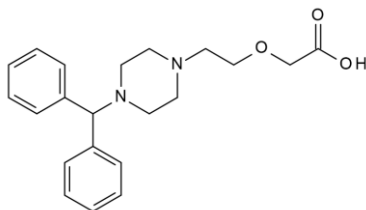
50mg \$975.00
100mg \$1572.00

**Cetirizine impurity F**

• Deschloro cetirizine
• {2-[4-(Diphenylmethyl)piperazin-1-yl]ethoxy}acetic acid
[83881-53-2] $C_{21}H_{26}N_2O_3$ 354.44

IC46028

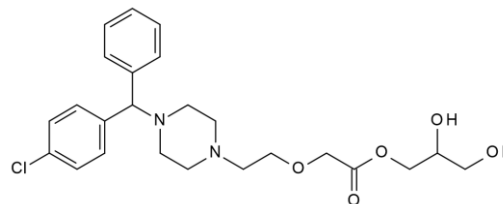
50mg \$975.00
100mg \$1572.00

**Cetirizine glycerol ester****Cetirizine glycerol ester impurity**

[1243652-36-9] $C_{24}H_{31}ClN_2O_5$ 462.97

IC57782

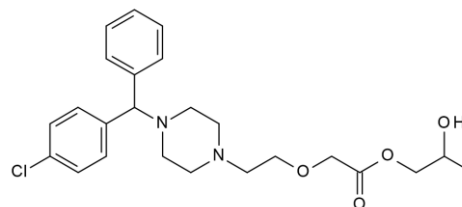
2mg \$110.00
5mg \$195.00
10mg \$375.00

**Cetirizine propanediol ester****Cetirizine propanediol ester impurity**

• Cetirizine impurity 10
 $C_{24}H_{31}ClN_2O_4$ 446.97

IC57783

25mg \$175.00
50mg \$300.00
100mg \$500.00

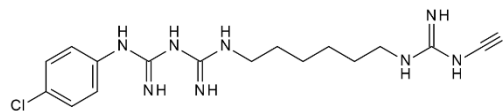
**Chlorhexidine****Chlorhexidine diacetate impurity A**

• N-(4-Chlorophenyl)-N'-[6-[[[(cyanoamino)iminomethyl]amino]hexyl]imidodicarbonimidic diamide

[152504-08-0] $C_{16}H_{24}ClN_9$ 377.88

IC19930

1mg \$120.00
2mg \$220.00
5mg \$500.00



Refs: Revelle, L, et al, J. Agric. Food Chem, 43, 1299 (1995)

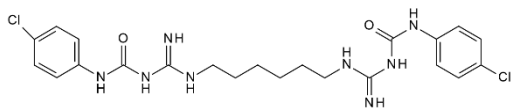
C

Chlorhexidine diacetate impurity C

• N1,N14-Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamide
[62247-48-7] C₂₂H₂₈Cl₂N₆O₂ 507.42

IC19931

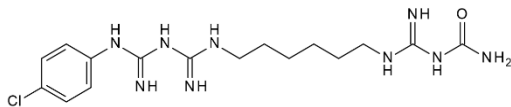
Price on Application

**Chlorhexidine dihydrochloride impurity B**

[1308292-89-8] C₁₆H₂₈Cl₃N₆O 468.81

IC74834

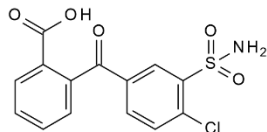
1mg \$360.00
2mg \$640.00
5mg \$1312.50

**Chlorthalidone****Chlorthalidone impurity A**

• 2-[3-(Aminosulfonyl)-4-chlorobenzoyl]benzoic acid
• 4'-Chloro-3'-sulfamoyl-2-benzophenone-2-carboxylic acid
[5270-74-6] C₁₄H₁₀ClNO₃S 339.75

IC75148

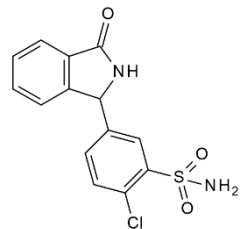
10mg \$1300.00

**Chlorthalidone impurity E**

• 3-Dehydroxy chlorthalidone
• 2-Chloro-5-(2,3-dihydro-3-oxo-1H-isoindol-1-yl)-benzenesulfonamide
[82875-49-8] C₁₄H₁₁ClN₂O₃S 322.77

IC76330

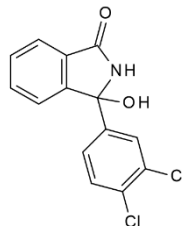
1mg \$190.00
2mg \$280.00
5mg \$425.00

**Chlorthalidone impurity G**

• 3-(3,4-Dichlorophenyl)-3-hydroxy-phthalimidine
[16289-13-7] C₁₄H₉Cl₂NO₂ 294.13

IC20415

1mg \$150.00
2mg \$250.00
5mg \$475.00



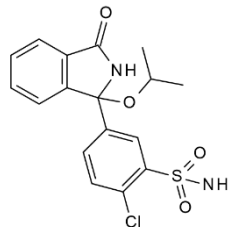
Refs: Topliss, J.G, et al, J. Med. Chem, 7, 453 (1964)

Chlorthalidone impurity H

C₁₇H₁₇ClN₂O₄S 380.85

IC76466

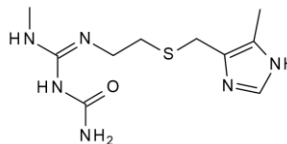
10mg \$550.00
25mg \$950.00

**Cimetidine****N-Carbamoyl-N'-methyl-N''-[2-[(5-methyl-1H-imidazol-4-yl)methylthio]ethyl]guanidine**

• 2-Carbamoyl-1-methyl-3-[2-[[[(5-methylimidazol-4-yl)methyl]thio]ethyl]guanidine
• 1-[(Methylamino)[2-[[[(5-methyl-1H-imidazol-4-yl)methyl]sulphanyl]ethyl]amino]methylene]urea Dihydrochloride
• Cimetidine hydrochloride impurity C
[52568-80-6] C₁₀H₁₆N₆OS·2HCl 343.28

IC58188

5mg \$50.00
10mg \$60.00
25mg \$75.00



HCl

HCl

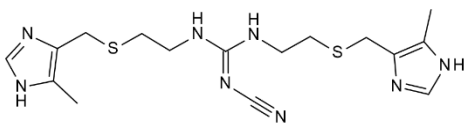


Cimetidine**Cimetidine impurity F**

• 2-Cyano-1,3-bis[2-[(5-methyl-1H-imidazol-4-yl)methylthio]ethyl]guanidine
[55272-86-1] C₁₆H₂₄N₆S₂ 392.55

IC58263

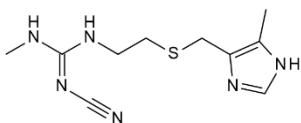
5mg \$50.00
10mg \$80.00
25mg \$150.00

**Cimetidine**

• Acibillin
• Acinil
• N'-Cyano-N-methyl-N'-[2-[(5-methyl-1H-imidazol-4-yl)methylthio]ethyl]guanidine
[51481-61-9] C₁₀H₁₆N₆S 252.34

IC58191

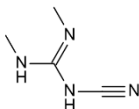
50g \$50.00
100g \$80.00
250g \$150.00

**N-Cyano-N',N''-dimethylguanidine**

• 2-Cyano-1,3-dimethylguanidine
• Cimetidine Hydrochloride impurity G
• Cyanoguanidine
[31857-31-5] C₄H₈N₄ 112.13

IC58190

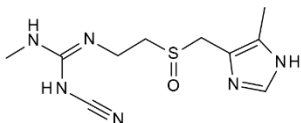
Price on Application

**N-Cyano-N'-methyl-N''-[2-[(5-methyl-1H-imidazol-4-yl)methylsulphiny]ethyl]guanidine**

• 2-Cyano-1-methyl-3-[2-[(5-methylimidazol-4-yl)methyl]sulphiny]ethyl]guanidine
• Cimetidine impurity E
[54237-72-8] C₁₀H₁₆N₆OS 268.34

IC58267

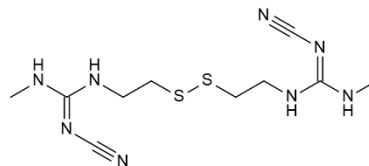
50mg \$50.00
100mg \$80.00
250mg \$137.50

**N,N''-(Dithia-2,1-ethanediy)bis-(N'-cyano-N'-methyl)guanidine**

• 3,3'-(3,4-Dithiahexane-1,6-diyl)bis[2-cyano-1-methyl]guanidine
• 1,1'-(Disulphanediyl)diethylene)bis(2-cyano-3-methylguanidine)
• Cimetidine impurity H
[74886-59-2] C₁₀H₁₈N₆S₂ 314.43

ID58189

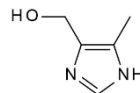
10mg \$70.00
25mg \$125.00
50mg \$200.00

**4-Hydroxymethyl-5-methylimidazol**

[29636-87-1] C₅H₈N₂O 112.13

IH58266

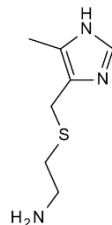
1g \$65.00
2g \$120.00
5g \$225.00

**4-Methyl-5-[(2-aminoethyl)thiomethyl]imidazole dihydrochloride**

• Cimetidine impurity J dihydrochloride
[38585-67-0][38603-72-4] C₇H₁₃N₃S·2HCl 244.19

IM58265

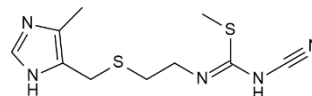
100mg \$50.00
250mg \$87.50
500mg \$150.00

**S-Methyl-N-cyano-N'-[2-[(5-methyl-1H-imidazol-4-yl)methylthio]ethyl]isothiourea**

• 2-Cyano-1-methyl-3-[2-[(5-methylimidazol-4-yl)methyl]thio]ethyl]isothiourea
• Cimetidine impurity A
[52378-40-2] C₁₀H₁₅N₅S₂ 269.39

IM58264

50g \$50.00
100g \$84.00
250g \$162.50

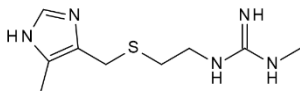


N-Methy-N'-[2-[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine dihydrochloride

- 1-Methyl-3-2[[[5-methylimidazol-4-yl)methyl]thio]ethyl]guanidine dihydrochloride
 - Cimetidinguanidine dihydrochloride
 - Descyano cimetidine dihydrochloride
- [59660-24-1] C₉H₁₇N₅S·2HCl 300.25

IM58261

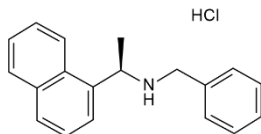
Price on Application

**Cinacalcet****Cinacalcet impurity B**

- (R)-N-Benzyl-1-(naphthalen-1-yl)ethanamine hydrochloride
- [66469-40-7] C₁₉H₁₉N·HCl 297.82

IC106468

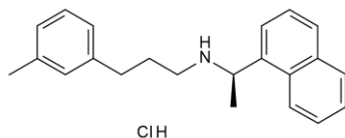
Price on Application

**Cinacalcet impurity E hydrochloride**

- (R)-N-(1-(Naphthalen-1-yl)ethyl)-3-m-tolylpropan-1-amine hydrochloride
- [253337-60-9] C₂₂H₂₅N·HCl 339.9

IC106470

Price on Application

**(aR)-a-Methyl-N-[3-[4-(trifluoromethyl)phenyl]propyl]-1-naphthalenemethanamine**

- Cinacalcet impurity 3
 - p-Isomer of Cinacalcet
 - 3'-Destrifluoromethyl 4'-trifluoromethyl cinacalcet
- [1428185-71-0] C₂₂H₂₂F₃N 357.41

IM101358

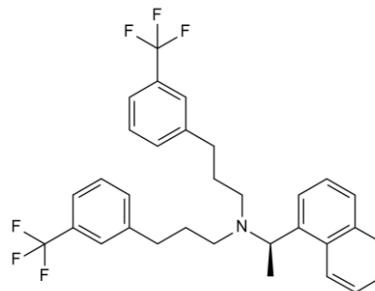
10mg \$50.00
25mg \$100.00
50mg \$150.00

**N-[(3-Trifluoromethyl)phenyl]propyl] cinacalcet**

- (R)-N-(1-(Naphthalen-1-yl)ethyl)-3-(3-(trifluoromethyl)phenyl)propyl]propan-1-amine
- [1271930-15-4] C₃₂H₃₁F₆N 543.59

IT106469

Price on Application

**3'-Destrifluoromethyl 2'-trifluoromethyl cinacalcet**

- (aR)-a-Methyl-N-[3-[2-(trifluoromethyl)phenyl]propyl]-1-naphthalenemethanamine
 - o-Isomer of cinacalcet
 - Cinacalcet impurity 13
- [1431699-53-4] C₂₂H₂₂F₃N 357.41

ID145557

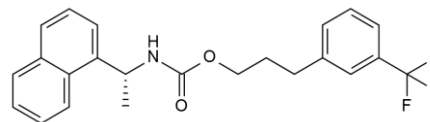
Price on Application

**Cinacalcet hydrochloride****N-[(1R)-1-(1-Naphthalenyl)ethyl]carbamic acid 3-[3-(trifluoromethyl)phenyl]propyl] ester**

- (R)-N-[1-(Naphthalen-1-yl)ethyl]carbamic acid 3-[3-(trifluoromethyl)phenyl]propyl] ester
- [915979-44-1] C₂₃H₂₂F₃NO₂ 401.42

IN58184

25mg \$50.00
50mg \$90.00
100mg \$150.00



Cinacalcet h

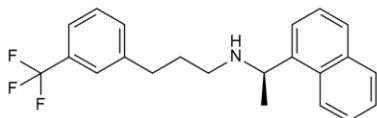
N-[1-(R)-(-)-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-aminopropane hydrochloride

- (R)-a-Methyl-N-[3-[3-(trifluoromethyl)phenyl]propyl]-1-naphthalenemethane amine hydrochloride
- (R)-N-(3-(3-(trifluoromethyl)phenyl)propyl)-1-(1-naphthyl)ethylamine hydrochloride
- Mimpara

[364782-34-3] C₂₂H₂₂F₃N·HCl 393.87

IN58180

250mg \$47.50
500mg \$75.00
1g \$120.00



HCl

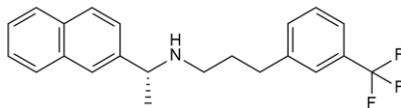
**N-[1-(R)-(+)-(2-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-aminopropane hydrochloride**

- (R)-b-Methyl-N-[3-[3-(trifluoromethyl)phenyl]propyl]-1-naphthalenemethane amine hydrochloride

C₂₂H₂₂F₃N·HCl 393.87

IN58182

10mg \$50.00
25mg \$75.00
50mg \$100.00



HCl

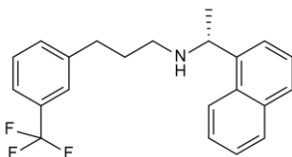
**N-[1-(S)-(-)-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-aminopropane hydrochloride**

- ent-cinacalcet hydrochloride
- (a-S)-a-Methyl-N-[3-[3-(trifluoromethyl)phenyl]propyl]-1-naphthalenemethanamine hydrochloride
- (S)-N-(3-(3-(Trifluoromethyl)phenyl)propyl)-1-(1-naphthyl)ethylamine hydrochloride

[694495-47-1][1217809-88-5] C₂₂H₂₂F₃N·HCl 393.87

IN58179

2mg \$50.00
5mg \$75.00
10mg \$100.00

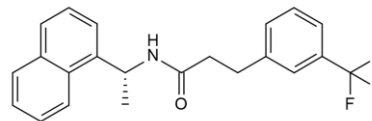


ClH

**N-[1-(R)-(-)-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-propanamide**[1005450-55-4] C₂₂H₂₀F₃NO 371.4

IN58183

100mg \$55.00
250mg \$95.00
500mg \$145.00

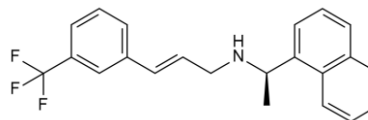
**3-(3-(Trifluoromethyl)phenyl)-N-(R)-1-(naphthalen-1-yl)ethyl)prop-2-en-1-amine**

- Cinacalcet impurity C
- (E)-2,3,-Dehydro-cinacalcet
- (R,E)-N-(1-(Naphthalen-1-yl)ethyl)-3-(3-(trifluoromethyl)phenyl)prop-2-en-1-amine

[955373-56-5] C₂₂H₂₀F₃N·HCl 391.86

IT58186

5mg \$50.00
10mg \$70.00
25mg \$125.00

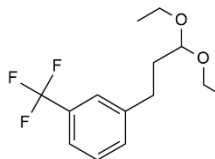
**3-(3-(Trifluoromethyl)phenyl)propionaldehyde diethylacetal**

- (3-Trifluoromethyl)dihydrocinamaldehyde diethylacetal

C₁₄H₁₉F₃O₂ 276.29

IT58181

Price on Application

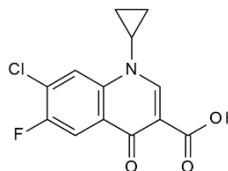
**Ciprofloxacin****Ciprofloxacin impurity A**

- Enrofloxacin impurity A
- Fluoroquinolonic acid
- 7-Chloro-1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-quinoline-3-carboxylic acid

[86393-33-1] C₁₃H₉ClFNO₃ 281.67

IC58175

50g \$60.00
100g \$90.00
250g \$150.00



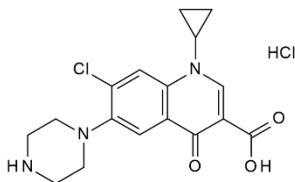
Ciprofloxacin impurity D hydrochloride

• 7-Chloro-1-cyclopropyl-1,4-dihydro-4-oxo-6-(piperazin-1-yl)quinoline-3-carboxylic acid hydrochloride

[526204-10-4] C₁₇H₁₈ClN₃O₃·HCl 384.26

ID58174

5mg \$280.00
10mg \$480.00
25mg \$875.00

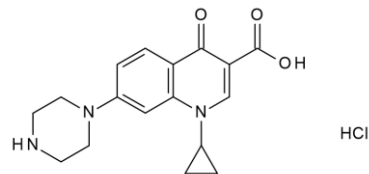
**Desfluoro ciprofloxacin hydrochloride**

• 1-Cyclopropyl-1,4-dihydro-4-oxo-7-(piperazin-1-yl)-3-quinolinecarboxylic acid, monohydrochloride

[93107-11-0] C₁₇H₁₉N₃O₃·HCl 349.81

ID58177

5mg \$50.00
10mg \$80.00
25mg \$150.00

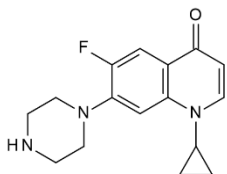
**Decarboxy ciprofloxacin**

• Ciprofloxacin hydrochloride impurity E
• 1-Cyclopropyl-6-fluoro-7-(piperazin-1-yl)quinolin-4(1H)-one
• 1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(piperazin-1-yl)quinoline

[105394-83-0] C₁₆H₁₈FN₃O 287.33

ID58176

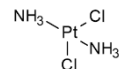
1mg \$65.00
2mg \$100.00
5mg \$150.00

**Cisplatin****Cisplatin impurity A**

• Transplatin
[14913-33-8] (NH₃)₂Cl₂Pt 300.05

IC63739

100mg \$50.00
250mg \$80.00
500mg \$125.00

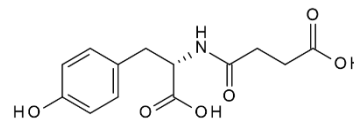
**Clavulanic acid****N-Succinyl-L-tyrosine**

• N-(3-Carboxy-1-oxopropyl)-L-tyrosine
• Clavulanic acid impurity G

[374816-32-7] C₁₃H₁₅NO₆ 281.26

IS27922

2mg \$80.00
5mg \$120.00
10mg \$220.00



Refs: Babbitt, P, et al, Science, 267, 1159 (1995); Perona, J, et al, J. Biol. Chem, 272, 29987 (1997); Palmer, D, et al, Biochemistry, 38, 4252 (1999)

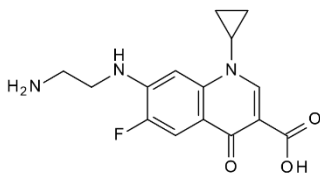
Desethylene Ciprofloxacin hydrochloride

• Ethylenediamine ciprofloxacin
• Ciprofloxacin hydrochloride impurity C
• Enrofloxacin impurity G

[528851-31-2][103222-12-4] C₁₅H₁₆FN₃O₃ 305.3

ID58178

2mg \$60.00
5mg \$110.00
10mg \$200.00



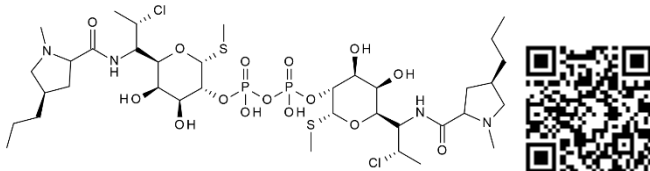
Clindamycin**Clindamycin**

Bis{2-[(2S-trans)-Methyl 7-chloro-6,7,8-trideoxy-6-(((1-methyl-4-propyl-2-pyrrolidiny)-carbonyl)amino)-1-thio-L-threo-a-D-galacto-octopyranoside]} pyrophosphate

• Clindamycin impurity 5
 $C_{36}H_{66}Cl_2N_4O_{15}P_2S_2$ 991.91

IM58171

Price on Application

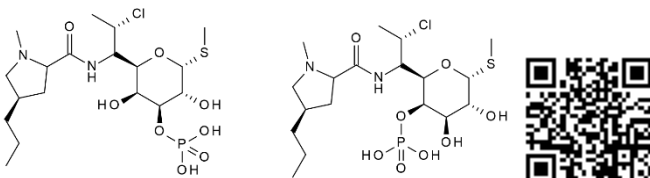


(2S-trans)-Methyl 7-chloro-6,7,8-trideoxy-6-(((1-methyl-4-propyl-2-pyrrolidiny)carbonyl)amino)-1-thio-L-threo-a-D-galacto-octopyranoside 3 and 4-phosphate

• Clindamycin 3- and 4- phosphate
 [28708-34-1][54887-30-8] $C_{18}H_{34}ClN_2O_8PS$ 504.96

IM58170

Price on Application

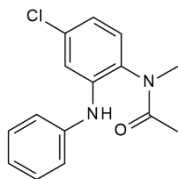
**Clobazam**

N-[4-Chloro-2-(phenylamino)phenyl]-N-methylacetamide

• Clobazam impurity E
 [75524-13-9] $C_{15}H_{15}ClN_2O$ 274.75

IC111194

1mg \$95.00
 2mg \$150.00
 5mg \$300.00

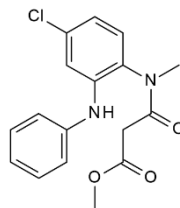


Methyl 3-[[4-Chloro-2-(phenylamino)phenyl]methylamino]-3-oxopropanoate

• Clobazam impurity F
 $C_{17}H_{17}ClN_2O_3$ 332.78

IM111195

1mg \$65.00
 2mg \$100.00
 5mg \$160.00

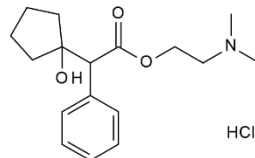
**Cyclopentolate**

N,N-Dimethylaminoethyl-a-(1-Hydroxycyclopentyl)phenylacetate hydrochloride

[5870-29-1] $C_{17}H_{26}ClNO_3$ 327.85

ID58268

50mg \$85.00
 100mg \$130.00
 250mg \$200.00



HCl



N,N-Dimethylaminoethylphenylacetate hydrochloride

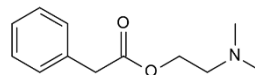
• 2-(Dimethylamino)ethyl Phenylacetate Hydrochloride

• Cyclopentolate hydrochloride impurity C
 [113079-81-5] $C_{12}H_{18}ClNO_2$ 243.73

ID58269

100mg \$50.00
 250mg \$62.50
 500mg \$100.00

HCl



Decitabine**4-Amino-1-[3,5-di-O-(4-chlorobenzoyl)-2-deoxy-a-D-ribofuranosyl]-1,3,5-triazin-2(1H)-one**

- a-Decitabine-3',5'-bis(4-chlorobenzoate)
- Decitabine related Compound C
- 4-Amino-1-[3,5-bis-O-(4-chlorobenzoyl)-2-deoxy-a-D-erythro-pentofuranosyl]-1,3,5-triazin-2(1H)-one

[1140891-02-6] C₂₂H₁₆Cl₂N₄O₆ 505.31

IA74824

10mg \$110.00
25mg \$190.00
50mg \$350.00

**Decitabine impurity 11**[909402-26-2] C₉H₁₃N₃O₅ 243.22

ID74837

Price on Application

**Decitabine impurity 12**C₄H₆N₆O₂ 170.13

ID74839

Price on Application

**Decitabine impurity 13**C₄H₆N₆O₂ 170.13

ID74844

Price on Application

**Decitabine impurity 14**[12087-33-6] C₈H₁₁NO₃ 133.15

ID74843

Price on Application

**Decitabine related compound A**

[1019659-87-0]

ID74838

Price on Application

**1-(2-Deoxy-a-D-ribofuranosyl)-5-azacytosine**

- Decitabine impurity C
- 4-Amino-1-(2-deoxy-α-D-erythro-pentofuranosyl)-s-triazin-2(1H)-one;
- a-Decitabine

[22432-95-7] C₈H₁₂N₄O₄ 228.21

ID74826

1mg \$80.00
2mg \$125.00
5mg \$200.00

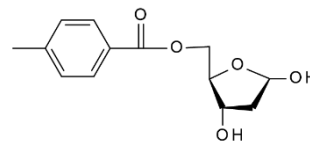
**2-Deoxy-5-O-toluoyl-D-ribofuranose**

- Decitabine impurity 5

[1195620-56-4] C₁₃H₁₆O₅ 252.26

ID45443

50mg \$400.00
100mg \$600.00
250mg \$1000.00

**3',5'-Di-O-p-chlorobenzoyl-2-deoxy-5-azacytosine**

- Decitabine related compound B

[1034301-08-0] C₂₂H₁₆Cl₂N₄O₆ 505.31

ID74823

25mg \$95.00
50mg \$175.00
100mg \$300.00

**3,5-Di-O-(4-chlorobenzoyl)-2-deoxy-a-D-ribofuranosyl isocyanate**

- Decitabine impurity 9

C₂₀H₁₅Cl₂NO₆ 436.24

ID74840

Price on Application



Decitabine**Methyl 2-deoxy-3,5-di-O-(4-chlorobenzoyl)-a-D-ribofuranoside**

• Decitabine impurity 2

[78185-64-5] C₂₂H₂₄O₆ 384.42

IM74825

Price on Application

**Methyl 2-deoxy-3,4-di-O-toluoyl-D-ribofuranoside**

• Decitabine impurity 6

[78185-67-8][78185-66-7][78103-18-1] C₂₂H₂₄O₆ 384.42

IM45444

5mg	\$115.00
10mg	\$180.00
25mg	\$375.00

**Methyl 2-deoxy-D-ribofuranoside**

• Methyl 2-deoxy-D-erythro-pentopyranoside

[863396-35-4] C₆H₁₂O₄ 148.16

IM45442

25mg	\$70.00
50mg	\$110.00
100mg	\$180.00

**Desloratadine****11-Fluoro desloratadine**

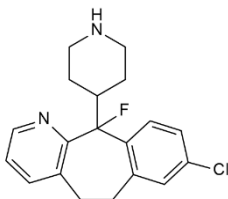
• Desloratadine impurity A

• 8-Chloro-11-fluoro-6,11-dihydro-11-(4-piperidinyl)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine

[298220-99-2] C₁₉H₂₀N₂ClF 330.83

IF46257

25mg \$5625.00

**Dexamethasone****Desoximetasone impurity A**[61618-63-1] C₂₁H₂₅FO₄ 360.42

ID157391

Price on Application

**Diclofenac****Diclofenac alcohol**

• 2-[(2,6-Dichlorophenyl)amino]benzenemethanol

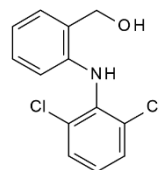
• [2-[(2,6-Dichlorophenyl)amino]phenyl]methanol

• o-(2,6-Dichloroanilino)benzyl alcohol

[27204-57-5] C₁₃H₁₁Cl₂NO 268.14

ID21709

1mg	\$254.40
2mg	\$462.50
5mg	\$840.90



Refs: Brogden, R, et al, Drugs, 20, 24 (1980)

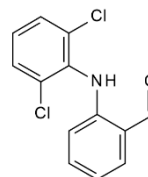
Diclofenac impurity B

• 2-[(2,6-Dichlorophenyl)amino]benzaldehyde

[22121-58-0] C₁₃H₉Cl₂NO 266.12

ID72468

5mg	\$50.00
10mg	\$80.00
25mg	\$175.00



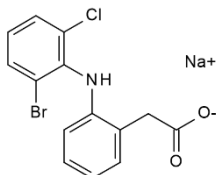
Diclofenac monobromo impurity, sodium salt

- 2-[(2-Bromo-6-chlorophenyl)amino]benzeneacetic acid sodium salt
- 2-[(2-Bromo-6-chlorophenyl)amino]phenylacetic acid sodium salt
- Diclofenac impurity D

[127792-45-4] C₁₄H₁₀BrClNaO₂ 362.58

ID21714

1mg	\$150.00
2mg	\$225.00
5mg	\$480.00



Refs: Moser, P, et al, J. Med. Chem, 33, 2358 (1990)

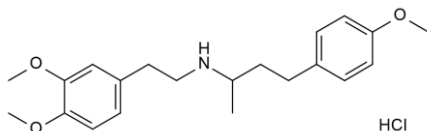
Dobutamine**Trimethoxy dobutamine hydrochloride**

- N-[2-(3,4-Dimethoxyphenyl)ethyl]-4-methoxy-α-methylbenzenepropanamine hydrochloride
- Trimethoxydobutamine hydrochloride

[51062-14-7] C₂₁H₃₀ClNO₃ 379.92

IT28517

50mg	\$60.00
100mg	\$85.00
250mg	\$140.00



Refs: Pallavicini, M. et al, Arzheim.-Forsch, 51, 18 (2001)

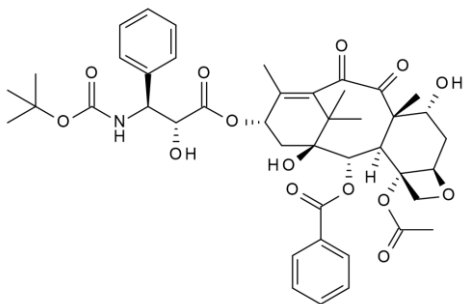
Docetaxel**Docetaxel impurity D**

- 7-Epi-10-Oxo ocetaxel

[162784-72-7] C₄₃H₅₁NO₁₄ 805.86

ID63751

1mg	\$300.00
2mg	\$520.00
5mg	\$1000.00

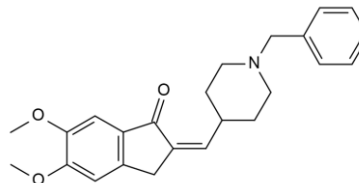
**Donepezil****1-Benzyl-4-[(5,6-dimethoxy-1-oxoindan-2-ylidene)methyl]piperidine**

- 2,3-Dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methylene]-1H-inden-1-one
- 2-(1-Benzylpiperidin-4-ylmethylidene)-5,6-dimethoxyindan-1-one
- Dehydro donepezil

[120014-07-5] C₂₄H₂₇NO₃ 377.48

IB18353

500mg	\$80.00
1g	\$150.00
2g	\$250.00



Refs: Enz, A, et al, Prog. Brain Res, 98, 431 (1993)

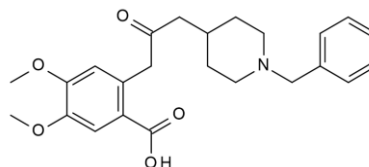
2-(3-(1-Benzylpiperidin-4-yl)-2-oxopropyl)-4,5-dimethoxybenzoic acid

- 4,5-Dimethoxy-2-[2-oxo-3-[1-(phenylmethyl)-4-piperidinyl]propyl]benzoic acid

[197010-25-6] C₂₄H₂₉NO₅ 411.49

IB18541

1mg	\$300.00
2mg	\$550.00
5mg	\$900.00

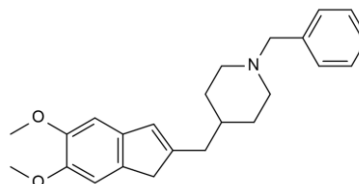
**Dehydrodeoxy donepezil**

- 4-[(5,6-Dimethoxy-1H-inden-2-yl)methyl]-1-(phenylmethyl)piperidine
- 1-Benzyl-4-(5,6-dimethoxy-1H-2-indenylmethyl)piperidine

[120013-45-8] C₂₄H₂₉NO₂ 363.49

ID20964

1mg	\$90.00
2mg	\$140.00
5mg	\$300.00



Refs: Dooley, M, et al, Drugs Aging, 16, 199 (2000)

Donepezil

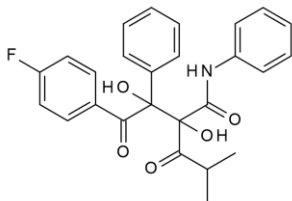
Dihydroxy diketo atorvastatin impurity

• 5,6-Dideoxy-1-C-(4-fluorophenyl)-5-methyl-2-C-phenyl-3-C-[(phenylamino)carbonyl]-hexos-4-ulose

[1046118-44-8] C₂₆H₂₄FNO₅ 449.47

ID22053

Price on Application



5,6-Dimethoxy-2-(4-piperidinyl)methyleneindan-1-one (donepezil impurity)

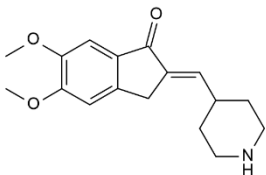
• 2,3-Dihydro-5,6-dimethoxy-2-(4-piperidinylmethylene)-1H-inden-1-one

• DPMI

[149874-91-9] C₁₇H₂₁NO₃ 287.35

ID22169

Price on Application



Refs: Sugimoto, H, et al, Bioorg. Med. Chem. Lett, 2, 871 (1992)

5,6-Dimethoxy-2-(4-pyridylmethylene)-1-indanone

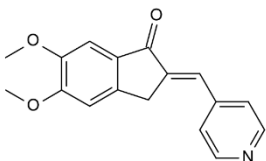
• 2,3-Dihydro-5,6-dimethoxy-2-(4-pyridylmethylene)-1H-inden-1-one

• 5,6-Dimethoxy-2-(piperidin-4-yl)methyleneindan-1-one

[4803-74-1] C₁₇H₁₅NO₃ 281.31

ID22170

50mg \$60.00
100mg \$100.00
250mg \$200.00



Refs: Dooley, M, et al, Drugs Aging, 16, 199 (2000); Gotti, R, et al, J. Pharm. Biomed. Anal, 24, 863 (2001); Gotti, R, et al, Anal. Bioanal. Chem, 377, 875 (2003)

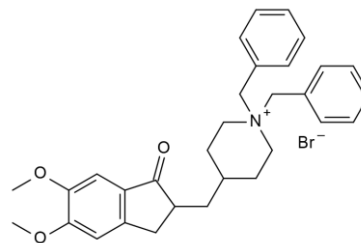
Donepezil benzyl bromide (donepezil impurity)

• 4-[(2,3-Dihydro-5,6-dimethoxy-1-oxo-1H-inden-2-yl)methyl]-1,1-bis(phenylmethyl)Piperidinium Bromide

[844694-85-5] C₃₁H₃₆BrNO₃ 550.53

ID22593

2mg \$50.00
5mg \$100.00
10mg \$150.00



Refs: Dooley, M, et al, Drugs Aging, 16, 199 (2000)

Doxepin

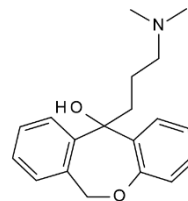
11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenz[b,e]oxepin-11-ol

• Doxepin impurity B

[4504-88-5] C₁₉H₂₃NO₂ 297.39

ID45253

50mg \$1200.00
100mg \$1400.00
250mg \$1680.00



Doxylamine succinate

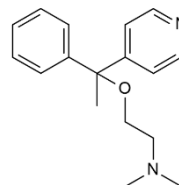
N,N-Dimethyl-2-(1-phenyl-1-(pyridin-4-yl)ethoxy)ethanamine

• Doxylamine 4-pyridinyl isomer

[873407-01-3] C₁₇H₂₂N₂O 270.37

ID58165

50mg \$50.00
100mg \$70.00
250mg \$100.00



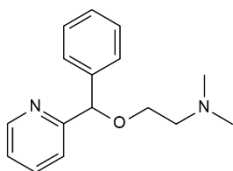
N,N-Dimethyl-2-(1-phenyl-1-(pyridin-2-yl)methoxy)ethanamine

• Desmethyl Doxylamine

[1221-70-1] C₁₆H₂₀N₂O 256.34

ID58167

100mg	\$60.00
250mg	\$100.00
500mg	\$175.00

**1-Phenyl-1-(2-pyridinyl)ethanol hydrochloride**

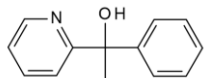
• (1RS)-1-Phenyl-1-(pyridin-2-yl)ethanol hydrochloride

• Doxylamine hydrogen succinate impurity B

[879671-67-7] C₁₃H₁₃NO·HCl 235.71

IP58168

50mg	\$50.00
100mg	\$80.00
250mg	\$150.00

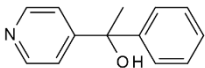


ClH

**1-Phenyl-1-(pyridin-4-yl)ethanol**[19490-94-9] C₁₃H₁₃NO 199.25

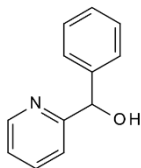
IP58166

1g	\$50.00
2g	\$90.00
5g	\$175.00

**1-Phenyl-1-(2-pyridinyl)methanol**[14159-57-0] C₁₂H₁₁NO 185.22

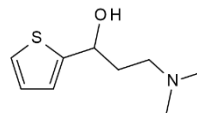
IP58169

100mg	\$60.00
250mg	\$100.00
500mg	\$150.00

**Duloxetine****3-(Dimethylamino)-1-(2-thienyl)propan-1-ol**[13636-02-7] C₉H₁₅NOS 185.29

ID58104

5g	\$49.00
10g	\$80.00
25g	\$150.00

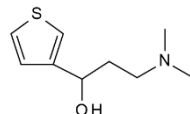
**3-(Dimethylamino)-1-(3-thienyl)propan-1-ol**

• a-[2-(Dimethylamino)ethyl]-3-thiophenemethanol

[116817-84-6] C₉H₁₅NOS 185.29

ID58099

5mg	\$60.00
10mg	\$100.00
25mg	\$175.00

**(S)-3-(Dimethylamino)-1-(2-thienyl)propan-1-ol**

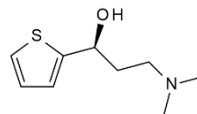
• (S)-1-b-Hydroxy-1-(2-thienyl)-3-dimethylaminopropane

• S-(-)-N,N-Dimethyl-3-hydroxy-3-(2-thienyl)propanamine

[132335-44-5] C₉H₁₅NOS 185.29

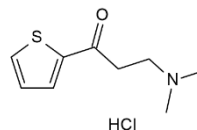
ID58105

1g	\$73.30
2g	\$117.20
5g	\$187.50

**3-(Dimethylamino)-1-(2-thienyl)propanone hydrochloride**[5424-47-5] C₉H₁₄ClNOS 219.73

ID58101

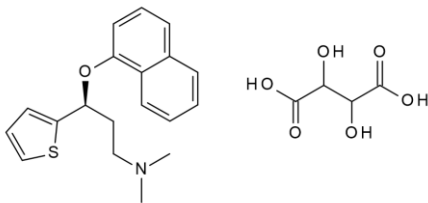
Price on Application



Duloxetine**N,N-Dimethyl-3-(1-naphthalenyloxy)-3-(2-thienyl) propanamine tartrate**[916135-72-3] C₁₉H₂₁NOS·C₄H₆O₆ 461.53

ID58108

Price on Application

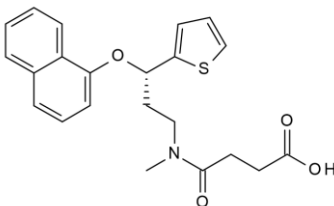
**(S)-Duloxetine succinamide**

• 4-[Methyl[(3S)-3-(1-naphthalenyloxy)-3-(2-thienyl)propyl]amino]-4-oxobutanoic acid

[199191-66-7] C₂₂H₂₃NO₄S 397.49

ID22628

10mg	\$50.00
25mg	\$75.00
50mg	\$100.00



Refs: Jansen, P.J., et al, J. Pharmaceut. Sci, 87, 81 (1998)

1-Fluoronaphthalene

• NSC 4690

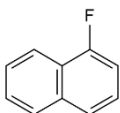
• a-Fluoronaphthalene

• Duloxetine impurity G

[321-38-0] C₁₀H₇F 146.16

IF23445

50g	\$80.00
100g	\$125.00
250g	\$200.00

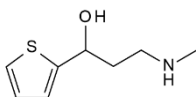


Refs: Cerniglia, C.E. et al, Appl. Env. Microbiol, 48, 294 (1984)

3-(Methylamino)-1-(2-thienyl)propan-1-ol[116539-56-1] C₈H₁₃NOS 171.26

IM58102

Price on Application

**(S)-N-Methyl-3-(1-naphthalenyloxy)-3-(2-thienyl) propanamine hydrochloride**

• (+)-(S)-N-Methyl-gamma-(1-naphthylxy)-2-thiophenpropylamine hydrochloride

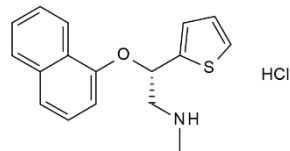
• LY-248686

• Duloxetine hydrochloride

[136434-34-9] C₁₈H₁₉NOS·HCl 333.88

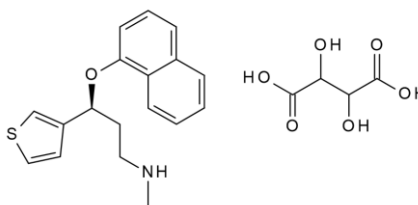
IM58100

250mg	\$60.00
500mg	\$100.00
1g	\$150.00

**N-Methyl-3-(1-naphthalenyloxy)-3-(3-thienyl) propanamine tartrate**C₁₈H₁₉NOS·C₄H₆O₆ 447.5

IM58106

Price on Application

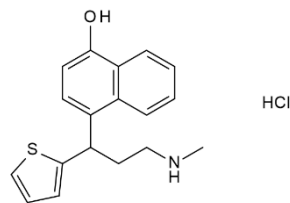
**N-Methyl-3-(4-naphthol)-3-(2-thienyl) propanamine hydrochloride**

• 4-[3-(Methylamino)-1-(2-thienyl)propyl]-1-naphthalenol hydrochloride

[953028-76-7] C₁₈H₁₉NOS·HCl 333.88

IM58103

10g	\$50.00
25g	\$112.50
50g	\$200.00

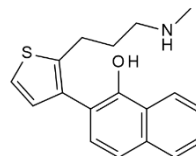
**2-(N-Methyl-propanamine)-3-(2-naphthyl) thiophene**

• Duloxetine impurity (alpha-hydroxy)

[940291-11-2] C₁₈H₁₉NOS 297.42

IM58098

10mg	\$60.00
25mg	\$125.00
50mg	\$200.00



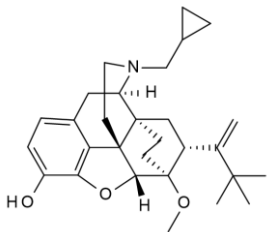
Duprenorphine

7-Dehydroxy buprenorphine(buprenorphine impurity F)

- (5a,7a)-17-(Cyclopropylmethyl)-7-(2,2-dimethyl-1-methylenepropyl)-4,5-epoxy-18,19-dihydro-6-methoxy-6,14-ethenomorphinan-3-ol
 - Buprenorphine impurity F
- [97203-04-8] $C_{29}H_{39}NO_3$ 449.62

ID20968

1mg \$174.90
2mg \$318.00
5mg \$578.10



Refs: Garrett, E. et al, J. Pharmac. Sci, 74, 515 (1985)

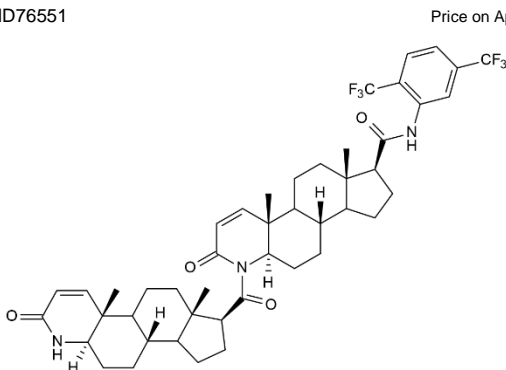
Dutasteride

Dutasteride b-dimer

- Dutasteride impurity I
 - N-(2,5-Bis(trifluoromethyl)phenyl)-3-oxo-4-(3-oxo-4-aza-5alpha-androst-1-ene-17beta-carbonyl)-4-aza-5alpha-androst-1-ene-17beta-carboxamide
- [1648593-70-7] $C_{48}H_{55}F_6N_3O_4$ 827.94

ID76551

Price on Application

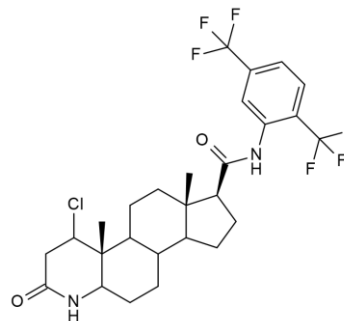


Dutasteride impurity D

- 1-Chlorodihydro dutasteride
 - Dutasteride chloro impurity
- [1365545-42-1] $C_{27}H_{31}ClF_6N_2O_2$ 564.99

ID76779

Price on Application

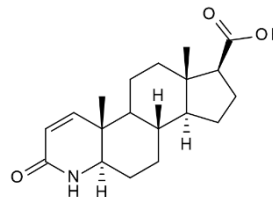


3-Oxo-4-aza-5a-androst-1-ene-17b-carboxylic acid

- (4aR,4bS,6aS,7S,9aS,9bS,11aR)-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-Tetradecahydro-4a,6a-dimethyl-2-oxo-1H-indeno[5,4-f]quinoline-7-carboxylic Acid
 - Dutasteride impurity A
- [104239-97-6] $C_{19}H_{27}NO_3$ 317.42

IO26684

2g \$56.00
5g \$100.00
10g \$150.00



Refs: Bakshi, et al, J. Med. Chem, 38, 3189

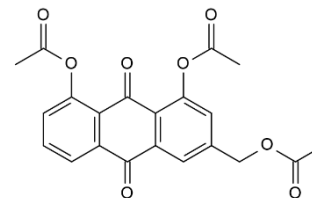
Emodin

Triacetyl aloe-emodin (impurity A)

- 1,8-Bis(acetyloxy)-3-[(acetyloxy)methyl]-9,10-anthracenedione
 - Aloe-emodin impurity A
- [25395-11-3] $C_{21}H_{16}O_8$ 396.35

IT28380

1mg \$80.00
2mg \$120.00
5mg \$225.00



Refs: Rao, R. V.

Empagliflozi**Empagliflozin****(3S)-3-[4-[(5-Bromo-2-chlorophenyl)methyl]phenoxy]tetrahydro-furan**[915095-89-5] C₁₇H₁₆BrClO₂ 367.66

IB75174

1g	\$65.00
2g	\$100.00
5g	\$200.00



E

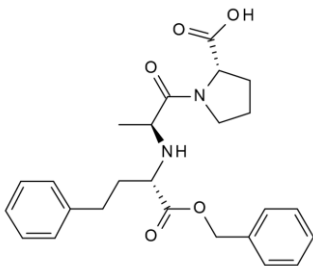
Enalapril**Enalaprilat benzyl ester**

- N-[(1S)-3-Phenyl-1-[(phenylmethoxy)carbonyl]propyl]-L-alanyl-L-proline
- (S)-1-[N-[3-Phenyl-1-[(phenylmethoxy)carbonyl]propyl]-L-alanyl]-L-proline

[76391-33-8] C₂₅H₃₀N₂O₅ 438.52

IE22667

5mg	\$150.00
10mg	\$272.60
25mg	\$496.00



Refs: Theohanson, et al, J. Biol. Chem. 175, 833 (1948)

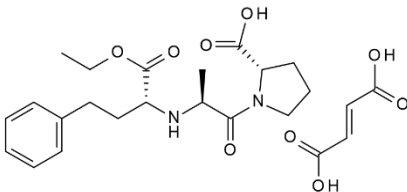
Enalapril maleate**Enalapril maleate impurity A**

- N-[(1R)-1-(Ethoxycarbonyl)-3-phenylpropyl]-L-alanyl-L-proline (2Z)-2-butenedioate

[1356932-13-2] C₂₄H₃₂N₂O₉ 492.52

IE63754

2mg	\$200.00
5mg	\$350.00
100mg	\$6200.00

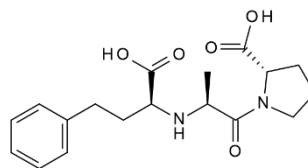
**Enalapril maleate impurity C**

- N-[1(S)-Carboxy-3-phenylpropyl]-L-alanyl-L-proline
- Enalaprilat

[76420-72-9] C₁₈H₂₄N₂O₅ 348.39

IE63755

5mg	\$50.00
10mg	\$80.00
25mg	\$150.00

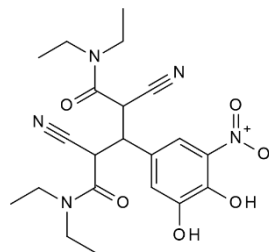
**Entacapone****2,4-Dicyano-3-(3,4-dihydroxy-5-nitrophenyl)-N1,N1,N5,N5-tetraethylpentanediamide**

• Entacapone dimer

C₂₁H₂₇N₅O₆ 445.47

ID137358

Price on Application

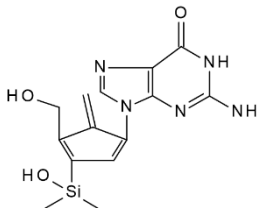
**Entecavir****4-Dehydroxy-4-dimethylhydroxysilyl entecavir**

- 2-Amino-1,9-dihydro-9-[(1S,3R,4S)-4-(hydroxydimethylsilyl)-3-(hydroxymethyl)-2-methylenecyclopentyl]-6H-purin-6-one

[870614-82-7] C₁₄H₂₁N₅O₃Si 335.43

ID106394

Price on Application



Entecavir (1R,3R,4S) diastereomer

• Entecavir 1-epimer impurity

[1367369-78-5] C₁₂H₁₅N₅O₃ 277.28

IE145298

Price on Application

**Entecavir (1S,3S,4S) diastereomer**

• Entecavir 3-epimer impurity

• 2-Amino-1,9-dihydro-9-[(1S,3S,4S)-4-hydroxy-3-(hydroxymethyl)-2-methylenecyclopentyl]-6H-purin-6-one

[1367369-77-4] C₁₂H₁₅N₅O₃ 277.28

IE145299

Price on Application

**2-Hydroxy-2,3-tetrahydrofuranyl entecavir**

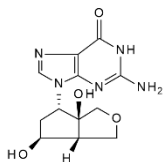
• 2-Amino-9-(3aS,4S,6S)-3a,6-dihydroxyhexahydro-1H-cyclopenta[c]furan-4-yl)-1H-purin-6(9H)-one

• Entecavir impurity A

[1984788-96-6] C₁₂H₁₅N₅O₄ 293.28

IH106332

Price on Application

OH₂**Erlotinib****3,4-Bis(2-methoxyethoxy)benzoic acid ethyl ester**

• Ethyl 3,4-bis(2-methoxyethoxy)benzoate

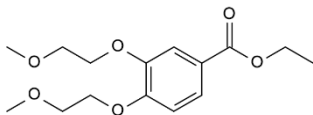
[183322-16-9] C₁₅H₂₂O₆ 298.33

IB31255

2g \$60.00

5g \$100.00

10g \$150.00

**Esomeprazole****5-Methoxy-2-((S)-((4-methoxy-3,5-dimethyl-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazole sodium salt**

• Esomeprazole sodium

• 6-Methoxy-2-[(S)-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole sodium salt

• (S)-Omeprazole sodium salt

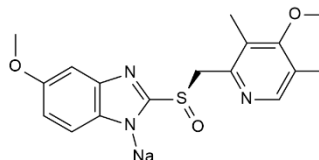
[161796-78-7] C₁₇H₁₈N₃NaO₃S 367.4

IM58097

10mg \$65.00

25mg \$110.00

50mg \$180.00

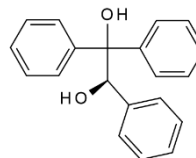
**(R)-(+)-1,1,2-Triphenyl-1,2-ethanediol**[95061-46-4] C₂₀H₁₈O₂ 290.36

IT58095

1g \$64.00

2g \$111.00

5g \$222.00

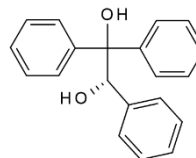
**(S)-(-)-1,1,2-Triphenyl-1,2-ethanediol**[108998-83-0] C₂₀H₁₈O₂ 290.36

IT58096

1g \$63.00

2g \$107.00

5g \$214.00



Etofenamate

Etofenamate

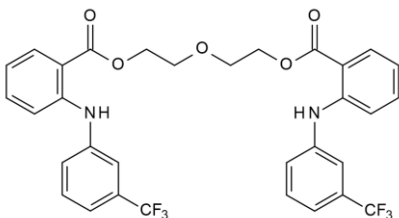
2,2-Bis(N-(a,a,a-trifluoro-m-tolyl)antraniloxi)diethylether

- 2,2'-Oxybis(ethylene) Bis[2-[[3-(trifluoromethyl)phenyl]amino]benzoate]
- Etofenamate impurity D

[64352-84-7] C₃₂H₂₆F₆N₂O₅ 632.55

IB58091

5mg \$50.00
10mg \$80.00
25mg \$150.00



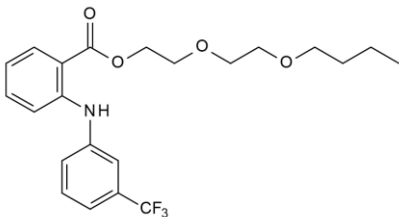
[(2-Butoxyethoxy)ethyl] 2-[(trifluoromethyl)phenylamino]benzoate

- Etofenamate impurity E

C₂₂H₂₆F₃NO₄ 425.44

IB58089

250mg \$90.00
500mg \$150.00
1g \$250.00

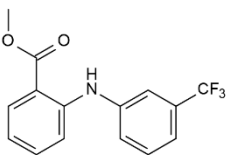


Methyl 2-[[3-trifluoromethyl)phenyl]amino]benzoate

[2765-91-5] C₁₅H₁₂F₃NO₂ 295.26

IM58092

100mg \$50.00
250mg \$75.00
500mg \$100.00

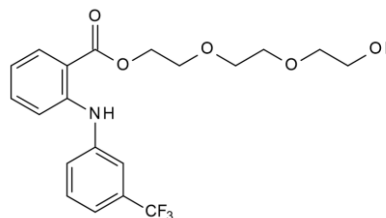


2-[[[3-(Trifluoromethyl)phenyl]amino]benzoic acid 8-hydroxy-3,6-dioxaoctyl ester

[30544-48-0] C₂₀H₂₂F₃NO₅ 413.39

IT58094

100mg \$50.00
250mg \$87.50
500mg \$150.00

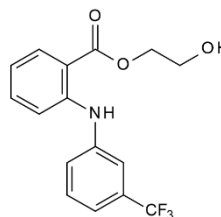


2-[[[3-(Trifluoromethyl)phenyl]amino] benzoic acid 2-hydroxyethyl ester

[32508-98-8] C₁₆H₁₄F₃NO₃ 325.28

IT58093

100mg \$60.00
250mg \$75.00
500mg \$110.00



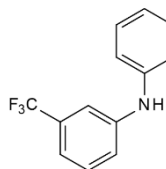
N-(3-Trifluoromethyl)phenyl)-phenylamine

- Etofenamate impurity C

[101-23-5] C₁₃H₁₀F₃N 237.22

IT58090

250mg \$77.50
500mg \$150.00
1g \$250.00



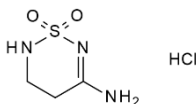
Famotidine

3-Amino-4,6-dihydro-1,2,6-thiadiazine-1,1-dioxide, hydrochloride

C₃H₆ClN₃O₂S 185.63

IA58081

Price on Application

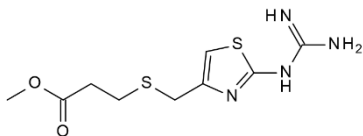


3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]thio]-propanoic acid methyl ester

• Famotidine acid impurity methyl ester
[76824-14-1] C₉H₁₄N₄O₂S₂ 274.37

IA23223

50mg \$70.00
100mg \$120.00
250mg \$250.00



Refs: Junnarkar, G, et al. Pharm. Res, 12, 599 (1995)

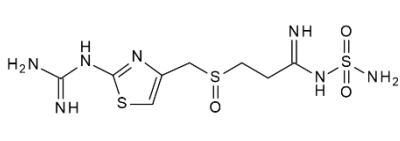
N-(Aminosulphonyl)-2-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methylsulphonyl]propanimidamide, maleate

• 3-[2-(Diaminomethyleneamino)-1,3-thiazol-4-ylmethylsulphonyl]-N-sulphamoylpropanimidamide
• 3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]sulfinyl]-N-(aminosulphonyl)propanimidamide

[90237-03-9][109467-06-3] C₈H₁₅N₇O₃S₃·C₄H₄O₄ 469.52

IA58086

5mg \$109.90
10mg \$199.90
25mg \$363.50

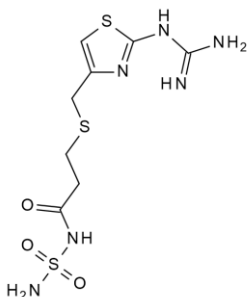
**N-(Aminosulphonyl)-3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]thio]propanamide, hydrochloride**

• [3-[[[2-(Diaminomethyleneamino)-4-thiazolyl]methyl]thio]propionyl]sulfamide hydrochloride
• Famotidine impurity C

[76824-17-4] C₈H₁₅ClN₆O₃S₃ 374.89

IA58075

5mg \$50.00
10mg \$80.00
25mg \$125.00



HCl

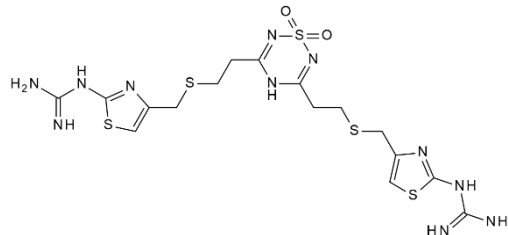
**3,5-Bis[2-[[[2-[(Aminoiminomethyl)amino]thiazol-4-yl]methyl]sulphonyl]ethyl]-4H-1,2,4,6-thiatriazine-1,1-dioxide**

• N,N''-[(1,1-Dioxido-2H-1,2,4,6-thiatriazine-3,5-diyl)bis(2,1-ethanediythiomethylene-4,2-thiazolediyl)]bisguanidine

• Famotidine related compound B
[89268-62-2] C₁₆H₂₃N₁₁O₂S₅ 561.76

IB58080

1mg \$50.00
2mg \$80.00
5mg \$125.00

**Bis-[2-[(diaminomethylene)amino]thiazol-4-yl]methyl]disulfide**

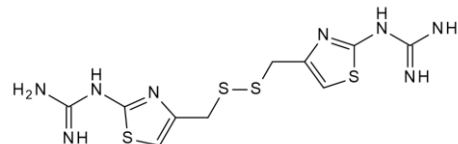
• N,N''-[dithiobis(methylene-4,2-thiazolediyl)]bis-guanidine

• Famotidine impurity E
• Bis[(2-guanidino-4-thiazolyl)methyl]disulfide

[129083-44-9] C₁₀H₁₄N₈S₄ 374.54

IB58076

10mg \$75.00
25mg \$140.00
50mg \$250.00

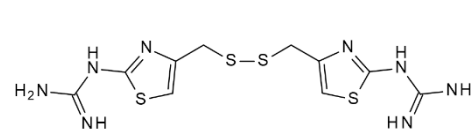
**Bis[[(2-guanidino)-4-thiazolyl]methyl]disulfide**

• N,N''-[Dithiobis(methylene-4,2-thiazolediyl)]bisguanidine

• Famotidine impurity
[129083-44-9] C₁₀H₁₄N₈S₄ 374.54

IB18768

25mg \$140.00
50mg \$254.50
100mg \$462.00



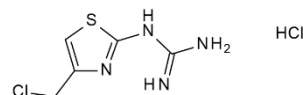
Refs: Zhong, L, et al, Pharm. Biomed. Anal, 16, 1051 (1998); Singh, S, et al, J. Pharm. Sci, 9

4-Chloromethyl-2-[(Aminoiminomethyl)amino]thiazole, hydrochloride

[69014-12-6] C₅H₆Cl₂N₄S 227.12

IC58087

Price on Application



HCl



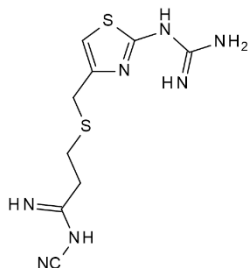
Famotidine

N-Cyano-3-[[[2-[(diaminomethyl)amino]-4-thiazolyl]methyl]sulphonyl]propanimidamide

- N-Desaminosulfonyl-N-cyano famotidine
 - 3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]thio]-N-cyanopropanimidamide
- [76823-97-7] C₉H₁₃N₇S₂ 283.38

IC58084

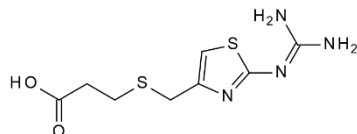
25mg \$50.00
50mg \$75.00
100mg \$122.00

**3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphonyl]propanoic acid**

- 3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]thio]propanoic acid
 - Famotidine impurity F
 - Famotidine acid impurity
- [107880-74-0] C₈H₁₂N₄O₂S₂ 260.34

ID58082

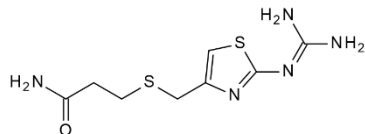
50mg \$60.00
100mg \$100.00
250mg \$200.00

**3-[[[2-[(Diaminomethylene)amino]-4-thiazolyl]methyl]thio]propanamide**

- Famotidine impurity D
 - Famotidine amide impurity
- [76824-16-3] C₈H₁₃N₅OS₂ 259.35

ID58074

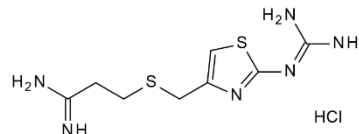
2mg \$50.00
5mg \$80.00
10mg \$120.00

**3-[[[2-[(Diaminomethylene)amino]-4-thiazolyl]methyl]thio]propanimidamide hydrochloride**

- Famotidine impurity A
 - Famotidine related compound A hydrochloride
- [76833-47-1] C₉H₁₄N₆S₂HCl 294.83

ID58079

5mg \$50.00
10mg \$60.00
25mg \$100.00



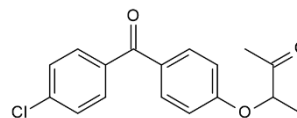
Fenofibrate

3-[4-(4-Chlorobenzoyl)phenoxy]-2-butanone

- Fenofibrate impurity C
- [217636-47-0] C₁₇H₁₅ClO₃ 302.75

IC20198

50mg \$125.00
100mg \$227.00
250mg \$412.50



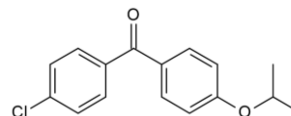
Refs: Lacroix, P.M.

(4-Chlorophenyl)[4-(1-methylethoxy)phenyl]methanone

- (4-Chlorophenyl)[4-(1-methylethoxy)phenyl]methanone
 - 3-[4-(4-Chlorobenzoyl)phenoxy]-2-propane
 - Fenofibrate impurity F
- [154356-96-4] C₁₆H₁₅ClO₂ 274.74

IC20310

50mg \$446.50
100mg \$683.00
250mg \$1627.50



Refs: Miranda, M.A. et al, Phytochem. Photobiol, 59, 171 (1994); Liu, A. et al, Drug Metab. Disp, 37, 1157 (2009)

Fluoxetine

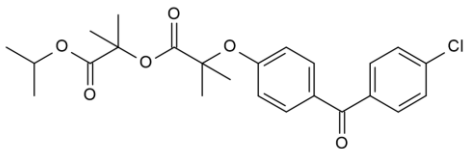
Fenofibrate impurity G

- 2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid 1,1-dimethyl-2-(1-methylethoxy)-2-oxoethyl ester
- Fenofibric acid 1,1-dimethyl-2-(1-methylethoxy)-2-oxoethyl ester

[217636-48-1] C₂₄H₂₇ClO₆ 446.92

IF23255

2mg \$149.90
5mg \$272.60
10mg \$495.50



Refs: Lacroix, P.M. et al, J. Pharmac. Biomed. Anal. 18, 383 (1998)

Fluorometholone

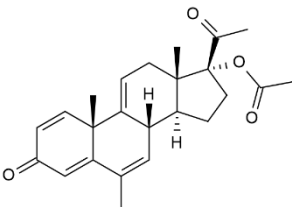
Fluorometholone acetate 6,9(11)-diene impurity

- 17-Hydroxy-6-methylpregna-1,4,6,9(11)-tetraene-3,20-dione acetate

[95955-20-7] C₂₄H₂₈O₄ 380.48

IF23443

2mg \$149.90
5mg \$272.60
10mg \$495.50



Fluoxetine

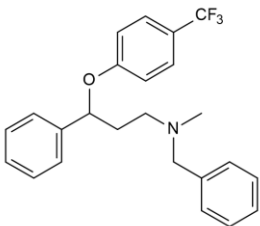
(+/-)-N-Benzyl-N-methyl-3-phenyl-3-[4-(trifluoromethyl)phenoxy]-propylamine hydrochloride

- N-Methyl-N-benzyl-3-[4-(trifluoromethyl)phenoxy]-benzenepropanamine hydrochloride

[660414-56-2] C₂₄H₂₄F₃NO·HCl 435.91

IB58068

5mg \$55.00
10mg \$88.00
25mg \$165.00



HCl

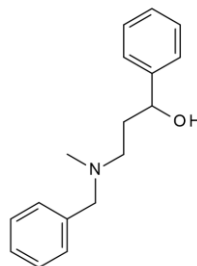


(R,S)-N-Methyl-3-benzylamino-1-phenyl-1-propanol

[74681-55-3] C₁₇H₂₁NO 255.35

IM58069

100mg \$50.00
250mg \$75.00
500mg \$100.00



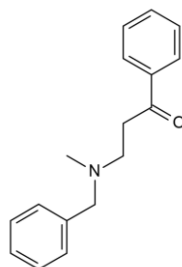
3-[Methyl(phenylmethyl)amino]-1-phenyl-1-propanone hydrochloride

- 3-(N-Benzyl-N-methylamino)propiofenone hydrochloride
- 3-[Benzyl(methyl)amino]-1-phenyl-1-propanone

[5409-62-1] C₁₇H₁₉NO·HCl 289.8

IM58070

100mg \$50.00
250mg \$75.00
500mg \$100.00



HCl



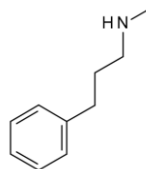
N-Methyl-3-phenylpropylamine hydrochloride

- N-Methyl-3-phenylpropan-1-amine hydrochloride
- Fluoxetine hydrochloride impurity B
- Methyl-(3-phenyl-propyl)amine

[30684-07-2][23580-89-4] C₁₀H₁₅N·HCl 185.69

IM58071

100mg \$50.00
250mg \$75.00
500mg \$100.00



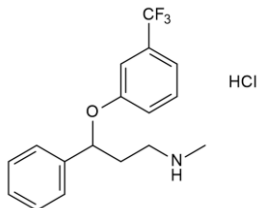
HCl



Fluoxetine**(+/-)-N-Methyl-γ-[3-(trifluoromethyl)-phenoxy]benzenepropanamine hydrochloride**[79088-29-2] C₁₇H₁₈F₃NO·HCl 345.79

IM58072

Price on Application

**Fluvastatin****(3R,5S,6E)-7-[1-ethyl-3-(4-fluorophenyl)-1H-indol-2-yl]-3,5-dihydroxy-6-heptenoic acid sodium salt**• [R⁺, S⁻, E]-(-)-7-[1-Ethyl-3-(4-fluorophenyl)-1H-indol-2-yl]-3,5-dihydroxy-6-heptenoic acid monosodium salt

• Fluvastatin N-ethyl impurity sodium salt

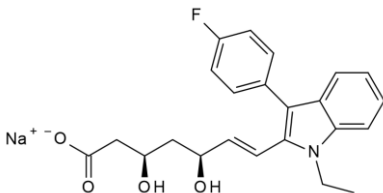
[93936-64-2] C₂₃H₂₃FNNaO₄ 419.42

IE23517

1mg \$272.60

2mg \$495.50

5mg \$900.90

**Fluvoxamine****Desmethyl fluvoxamine - EP**

• (1E)-5-Hydroxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone O-(2-aminoethyl)oxime

• Fluvoxamine acid

• Fluvoxamine impurity G

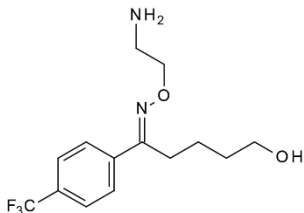
[192876-02-1] C₁₄H₁₉F₃N₂O₂ 304.31

ID21269

5mg \$150.00

10mg \$272.60

25mg \$496.00



Refs: Spigset, O, et al, Eur. J. Clin. Pharmacol, 54, 943 (1999)

(Z)-Fluvoxamine - EP

• (Z)-5-Methoxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone O-(2-aminoethyl)oxime

• Fluvoxamine impurity B

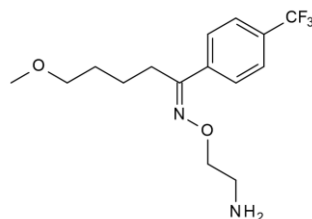
[917096-37-8] C₁₅H₂₁F₃N₂O₂ 318.33

IF23523

1mg \$290.00

2mg \$500.00

5mg \$1000.00



Refs: Palego, L, et al, Ther. Drug Monit, 22, 190 (2000)

Fluvoxketone

• (4-Methoxybutyl)(4-trifluoromethylphenyl)methanone

• 5-Methoxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone

• Fluvoxamine impurity D

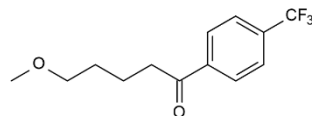
[61718-80-7] C₁₃H₁₅F₃O₂ 260.25

IF23526

1g \$50.00

2g \$80.00

5g \$120.00



Refs: Kamlet, M, et al, J. Phys. Chem, 92, 5244 (1988); Terabe, S, et al, J. Pharm. Biomed. Anal, 10, 705 (1992)

Folic acid**6-Pterinyl folic acid**

• Folic acid impurity E

[1391068-26-0] C₂₆H₂₄N₁₂O₇ 616.55

IP157350

Price on Application

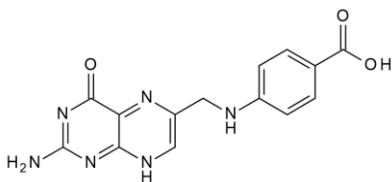


Pterotic acid

- Folic acid impurity D
 - 4-[[2-Amino-3,4-dihydro-4-oxo-6-pteridyl)methyl]amino]-benzoic acid
- [119-24-4] C₁₄H₁₂N₆O₃ 312.28

IP35440

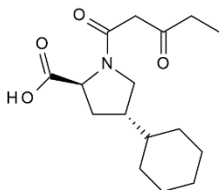
50mg \$140.00
100mg \$220.00
250mg \$350.00

**Fosinopril****4-Cyclohexyl-1-(1,3 dioxopentyl)-L-proline**

- Fosinopril impurity H
- [149760-14-5] C₁₆H₂₅NO₄ 295.37

IC76255

Price on Application

**2-[(R)-[(1S)-2-Methyl-1-(1-oxopropoxy)propoxy](4-phenylbutyl)phosphinyl]acetic acid**

- Des(4-cyclohexyl-L-proline) fosinopril acetic acid
 - Fosinopril impurity D
- [128948-00-5] C₁₉H₂₉O₆P 384.4

IM21078

1mg \$738.10
2mg \$1342.00
5mg \$2440.00



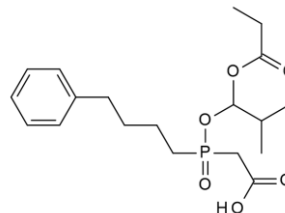
Refs: Kirschbaum, J, et al, J. Chromatogr, 507, 165 (1990)

2-((2-Methyl-1-(propionyloxy)propoxy)(4-phenylbutyl)phosphoryl)acetic acid

- rac-Des(4-cyclohexyl-L-proline) fosinopril acetic acid
 - Fosinopril impurity I
- [123599-78-0][123599-82-6] C₁₉H₂₉O₆P 384.4

IM27637

50mg \$80.00
100mg \$133.00
250mg \$265.00



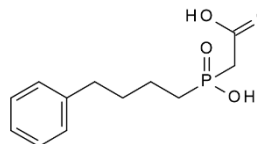
Refs: Kirschbaum, J, et al, J. Chromatogr, 507, 165 (1990)

4-Phenylbutyl 2-carboxyethylphosphinic acid

- [Hydroxy(4-phenylbutyl)phosphinyl]acetic acid
 - Fosinopril impurity A
- [83623-61-4] C₁₂H₁₇O₄P 256.23

IP26897

1mg \$110.00
2mg \$199.90
5mg \$363.40



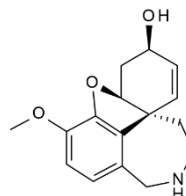
Refs: Krapcho, J, et al, J. Med. Chem, 31, 1148

Galantamine**N-Desmethyl galanthamine**

- (4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-3-methoxy-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-ol
 - Galanthamine impurity E
 - N-Norgalantamine
- [41303-74-6] C₁₆H₁₉NO₃ 273.33

ID21271

2mg \$480.00
5mg \$780.00
10mg \$1200.00



Refs: Bickel, U, et al, Clin. Pharmacol. Ther, 50, 420 (1991); Mannens, G, et al, Drug Metab. Dispos, 30, 553 (2002); Zhao, Q, et al, J. Clin. Pharmacol, 42, 428

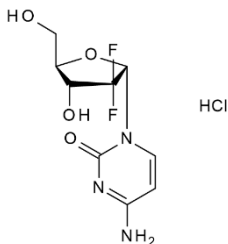
Gemcitabine**Gemcitabine****1'-Epi gemcitabine, hydrochloride**

• 4-Amino-1-(2-deoxy-2,2-difluoro-a-D-erythro-pentofuranosyl)-2(1H)-pyrimidinone, hydrochloride

[122111-05-1] C₉H₁₂ClF₂N₃O₄ 299.66

IE16542

1mg \$95.00
2mg \$150.00
5mg \$300.00



Refs: Hertel, L.W, et al, *Cancer Res*, 50, 4417 (1990); Abbruzzese, J.L, et al, *J. Clin. Oncol*, 9, 491 (1991); Ruiz, V.W.T, et al, *Biochem. Pharmacol*, 46, 762 (1993)

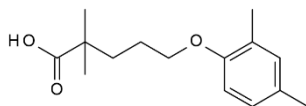
Gemfibrozil**iso-Gemfibrozil**

• 5-(2,4-Dimethylphenoxy)-2,2-dimethylpentanoic acid
• Gemfibrozil impurity

[86837-66-3] C₁₅H₂₂O₃ 250.33

IG23653

1mg \$124.90
2mg \$227.10
5mg \$413.00



Refs: Haky, J.E, et al, *J. Chromatography*, 264, 287 (1983)

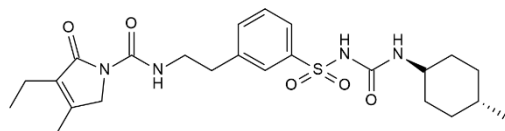
Glimepiride**m-Glimepiride impurity**

• 3-Ethyl-2,5-dihydro-4-methyl-N-[2-[3-[[[(trans-4-methylcyclohexyl)amino]carbonyl]amino]sulfonyl]phenyl]ethyl]-2-oxo-1H-pyrrole-1-carboxamide
• 1[[m-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido)ethyl]phenyl]sulfonyl]2-(trans-4-methylcyclohexyl)urea
• Glimepiride 3-isomer

[791104-62-6] C₂₄H₃₄N₄O₅S 490.62

IM25123

1mg \$593.40
2mg \$1078.80
5mg \$1961.40



Refs: Khan, M.A, et al, *J. Pharm. Biomed. Anal*, 39, 928 (2005)

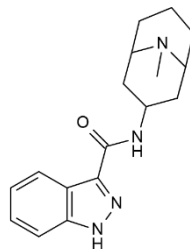
Granisetron**1-Desmethyl granisetron**

• endo-N-[(3-endo)-9-Methyl-9-azabicyclo[3.3.1]non-3-yl]-1H-indazole-3-carboxamide
• Granisetron impurity B

[107007-95-4] C₁₇H₂₂N₄O 298.38

ID21275

1mg \$60.50
2mg \$96.70
5mg \$154.70



Refs: Bermudez, J, et al, *J. Med. Chem*, 33, 1924 (1990)

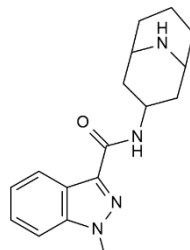
9'-Desmethyl granisetron

• N-(3-endo)-9-Azabicyclo[3.3.1]non-3-yl-1-methyl-1H-indazole-3-carboxamide
• Granisetron impurity C

[160177-67-3] C₁₇H₂₂N₄O 298.38

ID21276

2mg \$125.00
5mg \$227.20
10mg \$413.00



Refs: Nishikawa, M, et al, *Drug Metab. Pharmacokin*, 19, 280

1-Desmethyl 2-methyl granisetron

- 2-Methyl-N-[(3-endo)-9-methyl-9-azabicyclo[3.3.1]non-3-yl]-2H-indazole-3-carboxamide
- Granisetron impurity A

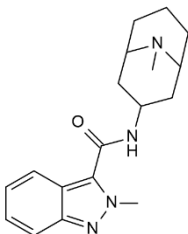
[127472-42-8] C₁₈H₂₄N₄O 312.41

ID21230

1mg \$60.50

2mg \$96.70

5mg \$154.70



Refs: Nishikawa, M, et al, Drug Metab. Pharmacokin, 19, 280

(3-endo)-9-methyl-9-azabicyclo[3.3.1]nonan-3-amine

- b-3-Amino-9-methyl-9-azabicyclo[3.3.1]nonane
- Granisetron impurity E (free base)

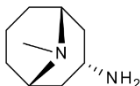
[76272-56-5] C₉H₁₈N₂ 154.25

IE22671

1g \$50.00

2g \$80.00

5g \$150.00



Refs: McCallum, R, et al, Drugs, 36, 652 (1988)

1-Methyl-1-H-indazole-3-carboxylic acid

- 1-Methylindazole-3-carboxylic acid
- Granisetron impurity D

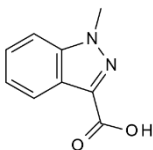
[50890-83-0] C₉H₈N₂O₂ 176.17

IM25861

5mg \$109.90

10mg \$199.90

25mg \$363.50



Refs: Bermudez, J, et al, J. Med. Chem, 33, 1924 (1990)

Hydrochlorothiazide

N-[[7-(Aminosulfonyl)-6-chloro-2,3-dihydro-1,1-dioxido-4H-1,2,4-benzothiadiazin-4-yl]methyl]-6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamidehydrochlorothiazide 1,1-dioxide

- HCTZ-CH2-HCTZ
- Hydrochlorothiazide impurity C

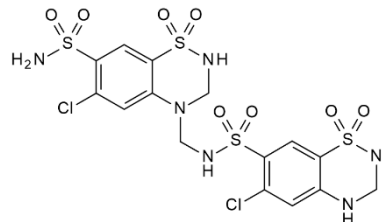
[402824-96-8] C₁₅H₁₆Cl₂N₆O₆S₄ 607.49

IA17850

5mg \$1000.00

10mg \$1560.00

25mg \$3000.00



Refs: Daniels, S.L, et al, J. Pharm. Sci, 70, 211 (1981); Fang, X, et al, Pharm. Res, 14, 691 (1997)

Ibuprofen**2-(4-Butylphenyl)propionic acid, racemic**

- Ibuprofen impurity B
- p-Butyl ibuprofen
- 4-Butyl-α-methylbenzeneacetic acid

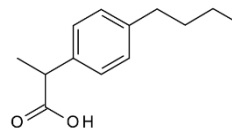
[3585-49-7] C₁₃H₁₈O₂ 206.28

IB15849

5mg \$60.00

10mg \$95.00

25mg \$175.00

**2-(4-Ethylphenyl)propanoic acid - Racemic**

- Ibuprofen impurity N

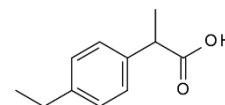
[3585-52-2] C₁₁H₁₄O₂ 178.23

IE46408

10mg \$60.00

25mg \$100.00

50mg \$150.00



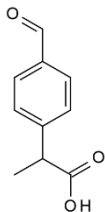
Ibuprofen**2-(4-Formylphenyl)propionic acid - Racemic**

- 4-Formyl- α -methylbenzeneacetic acid
- 2-(p-Formylphenyl)propionic acid
- Ibuprofen impurity K

[43153-07-7] C₁₀H₁₀O₃ 178.18

IF27430

10mg \$130.00
25mg \$250.00
50mg \$350.00



Refs: Heikkinen, L, et al, Acta Pharm. Fenn, 92, 275 (1983)

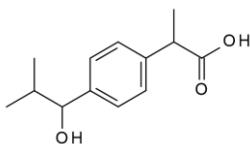
1-Hydroxy-ibuprofen - Mixture of diastereoisomers

- Ibuprofen impurity L

[53949-53-4] C₁₃H₁₈O₃ 222.28

IH31798

5mg \$300.00
10mg \$400.00
25mg \$875.00

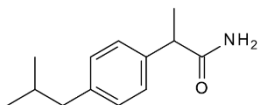
**rac-Ibuprofen amide**

- Ibuprofen impurity C
- α -Methyl-4-(2-methylpropyl)-benzeneacetamide

[59512-17-3] C₁₃H₁₉NO 205.3

II63768

250mg \$135.00
500mg \$200.00
1g \$300.00

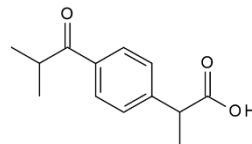
**2-[4-(2-Methylpropanoyl)phenyl] propanoic acid, racemic**

- 2-(4-Isobutylphenyl)propionic acid
- Ibuprofen impurity J
- α -Methyl-4-(2-methyl-1-oxopropyl)benzeneacetic acid

[65813-55-0] C₁₃H₁₆O₃ 220.26

IM15852

1mg \$62.50
2mg \$100.00
5mg \$200.00

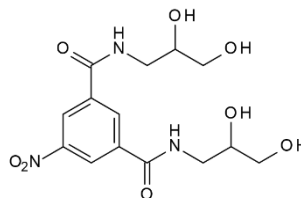
**Iohexol****N,N'-Bis(2,3-dihydroxypropyl)-5-nitro-1,3-benzenedicarboxamide**

- Iohexol Related Compound C

[76820-34-3] C₁₄H₁₉N₃O₈ 357.32

IB138683

Price on Application

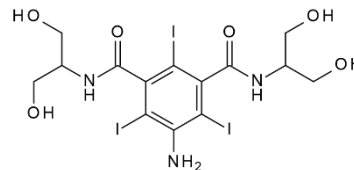
**Iopamidol****5-Amino-N,N'-bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-1,3-benzenedicarboxamide - EP**

- Iopamidol impurity A
- Iopamidol Related Compound A

[60166-98-5] C₁₄H₁₈I₃N₃O₆ 705.02

IA138685

Price on Application



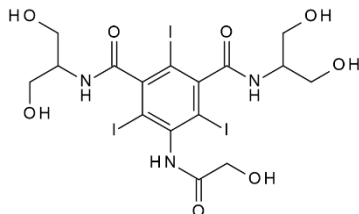
5-[(Hydroxyacetyl)amino]-N,N'-bis [2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-1,3-benzenedicarboxamide - EP

- Iopamidol impurity B
- Desmethyl iopamidol
- Iopamidol related compound B

[77868-41-8] C₁₆H₂₀I₃N₃O₈ 763.06

IH138513

1mg	\$95.60
2mg	\$153.00
5mg	\$278.00

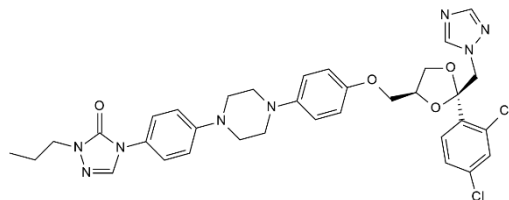
**Itraconazole****cis-(±)-4-[4-[4-[2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl)methyl]-1,3-dioxolan-4-yl]methoxy]phenyl]-1-piperazinyl]phenyl]-2,4-dihydro-2-propyl-3H-1,2,4-triazol-3-one**

- Propyl itraconazole
- Itraconazole impurity C

[74855-91-7] C₃₄H₃₆Cl₂N₆O₄ 691.61

ID27219

1mg	\$318.00
2mg	\$578.10
5mg	\$1051.10



Refs: Heeres, J, et al, J. Med. Chem, 27, 894 (1984)

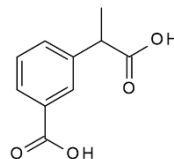
Ketoprofen**3-Carboxy-a-methyl-benzeneacetic acid**

- rac-3-Carboxy-a-methyl-benzeneacetic acid
- Ketoprofen related compound C
- Ketoprofen impurity C

[68432-95-1] C₁₀H₁₀O₄ 194.18

IC19808

2mg	\$139.90
5mg	\$254.40
10mg	\$462.50

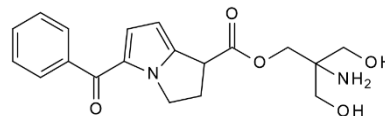


Refs: Dvorak, J, et al, J. Pharm. Biomed. Anal, 36, 625 (2004); Allegretti, M, et al, J. Med. Chem, 48, 4312 (2005)

Ketorolac**(2-Amino-2-(hydroxymethyl)propane-3-ol-1-yl) (5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylate), racemic**C₁₉H₂₂N₂O₅ 358.39

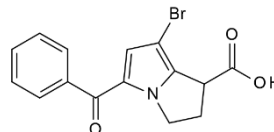
IA58064

500mg	\$85.00
1g	\$130.00
2g	\$200.00

**5-Benzoyl-7-bromo-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid - Racemic**[84023-60-9] C₁₅H₁₂BrO₃N 334.16

IB58061

Price on Application



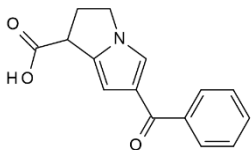
Ketorolac**6-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid, racemic**

- rac-Ketorolac 6-benzoyl isomer
- 6-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid
- Ketorolac impurity C

[1026936-07-1] C₁₅H₁₃NO₃ 255.27

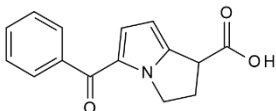
IB58058

10mg	\$500.00
25mg	\$875.00
50mg	\$1350.00

**5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid - Racemic**[74103-06-3] C₁₅H₁₃O₃N 255.27

IB58062

Price on Application

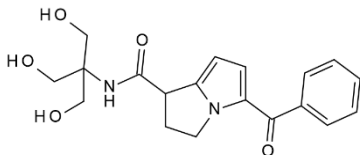
**5-Benzoyl-N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]-2,3-dihydro-1H-pyrrolizine-1-carboxamide, racemic**

- Ketorolac impurity E
- rac Ketorolac tris amide impurity

[167105-80-8] C₁₉H₂₂N₂O₅ 358.39

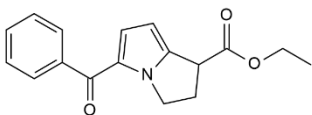
IB58063

250mg	\$150.00
500mg	\$275.00
1g	\$495.50

**Ethyl (5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylate, racemic**[108061-03-6] C₁₇H₁₇O₃N 283.32

IE58060

100mg	\$50.00
250mg	\$75.00
500mg	\$200.00

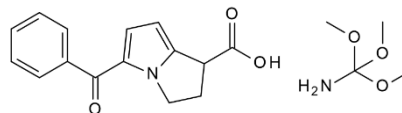
**Ketorolac tromethamine**

- 1H-Pyrrolizine-1-carboxylic acid, 5-benzoyl-2,3-dihydro-, compd. with 2-amino-2-(hydroxymethyl)-1,3-propanediol (1:1)

[74103-07-4] C₁₅H₁₃NO₃·C₄H₁₁NO₃ 376.4

IK58065

250mg	\$60.00
500mg	\$80.00
1g	\$145.00

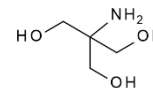
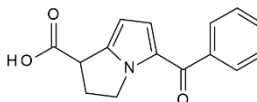
**Ketorolac tromethamine - Incorrect Polymorph**

- 1H-Pyrrolizine-1-carboxylic acid, 5-benzoyl-2,3-dihydro-, (±)-, compd. with 2-amino-2-(hydroxymethyl)-1,3-propanediol (1:1), incorrect polymorph

[74103-07-4] C₁₅H₁₃NO₃·C₄H₁₁NO₃ 376.4

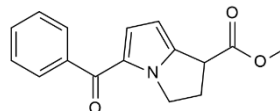
IK58066

Price on Application

**Methyl 5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylate, racemic**[80965-09-9] C₁₆H₁₅O₃N 269.3

IM58059

250mg	\$80.00
500mg	\$140.00
1g	\$225.00

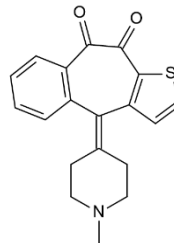
**Ketotifen****9,10-Dioxo ketotifen**

- 4-(1-Methyl-4-piperidinylidene)-4H-benzo[4,5]cyclohepta[1,2-b]thiophene-9,10-dione
- Ketotifen impurity G

[43076-16-0] C₁₉H₁₇NO₂S 323.41

ID22474

2mg	\$65.00
5mg	\$100.00
10mg	\$150.00



Refs: Waldvogel, E. et al, Helv. Chim. Acta, 59, 866 (1976)

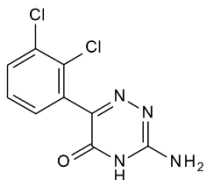
Lamotrigine

3-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-5(4H)-one

- Lamotrigine impurity A
 - 3-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-5(2H)-one
 - 5-Desamino 5-oxo-2,5-dihydro lamotrigine
- [252186-78-0] C₉H₆Cl₂N₄O 257.08

IA58053

100mg \$75.00
250mg \$125.00
500mg \$195.00

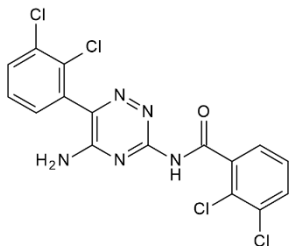


N-[5-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-3-yl]-2,3-dichlorobenzamide

- 3-(2,3-Dichlorobenzamido) lamotrigine
- [252186-79-1] C₁₆H₉Cl₄N₅O 429.09

IA58055

25mg \$65.00
50mg \$100.00
100mg \$175.00

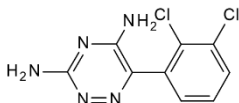


3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine

- 6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine
 - Lamotrigine
- [84057-84-1] C₉H₇Cl₂N₅ 256.09

ID58057

5g \$60.00
10g \$85.00
25g \$140.00

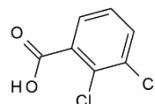


2,3-Dichlorobenzoic acid

- Lamotrigine impurity E
- [50-45-3] C₇H₄Cl₂O₂ 191.01

ID58052

25g \$50.00
50g \$86.00
100g \$138.00

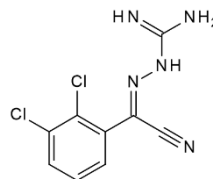


2-(2,3-Dichlorophenyl)-2-(guanidinoimino) acetonitrile

- (2Z)-[2-(Diaminomethylidene)diazanylidene](2,3-dichlorophenyl)acetonitrile
 - Lamotrigine impurity C
 - 2-[Cyano(2,3-dichlorophenyl)methylene]-(2Z)-hydrazinecarboximidamide,
- [94213-23-7] C₉H₇Cl₂N₅ 256.09

ID58056

Price on Application

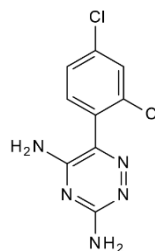


6-(2,4-Dichlorophenyl)-1,2,4-triazine-3,5-diamine

- 6-(2,4-Dichlorophenyl)-1,2,4-triazine-3,5-diamine
 - 3,5-Diamino-6-(2,4-dichlorophenyl)-1,2,4-triazine
 - 3-Dechloro-4-chloro lamotrigine
- [38943-76-9] C₉H₇Cl₂N₅ 256.09

ID20869

10mg \$50.00
25mg \$75.00
50mg \$125.00

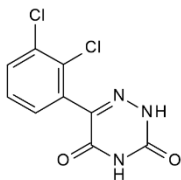


Refs: Rees, R, et al, J. Med. Chem, 15, 859 (1972); McNamara, J, et al, Nature, 399, A15 (1999)

Lamotrigine**6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5(2H,4H)-dione**[661463-79-2] C₉H₅Cl₂N₃O₂ 258.06

ID58054

1mg	\$50.00
2mg	\$70.00
5mg	\$100.00

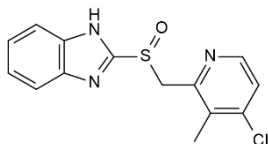
**Lansoprazole****2-[[[4-Chloro-3-methyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole**

- Rabeprazole impurity C
- Lansoprazole impurity F
- 4-Desmethoxypropoxyl-4-chloro rabeprazole

 [168167-42-8] C₁₄H₁₂ClN₃OS 305.78

IC21226

1mg	\$272.60
2mg	\$495.50
5mg	\$900.90

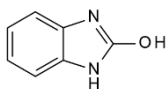
**2-Hydroxybenzimidazole - EP**

- Lansoprazole impurity D
- 2,3-Dihydro-2-oxo-1H-benzimidazole
- 1,3-Dihydro-2H-benzimidazol-2-one

 [615-16-7] C₇H₆N₂O 134.14

IH11727

25g	\$41.25
50g	\$72.50
100g	\$130.00

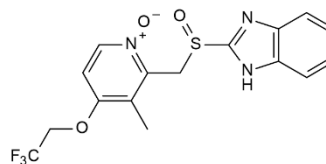
**Lansoprazole N-oxide**

- 2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole
- Lansoprazole impurity A

 [213476-12-1] C₁₆H₁₄F₃N₃O₃S 385.36

IL24840

5mg	\$105.00
10mg	\$168.00
25mg	\$285.00



Refs: Kubo, K, et al, Chem. Pharm. Bull, 38, 2853 (1990); Barradell, L, et al, Drugs, 44, 225 (1992); Aydogmus, Z, et al, Acta Pharm. Sci, 48, 45 (2006)

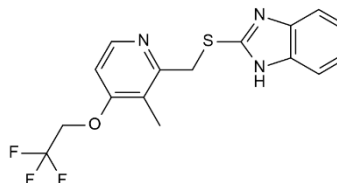
Lansoprazole sulfide - EP

- 2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl)methyl]thio]-1H-benzimidazole
- Lansoprazole impurity C

 [103577-40-8] C₁₆H₁₄F₃N₃OS 353.36

IL24841

50mg	\$110.50
100mg	\$201.00
250mg	\$365.00



Refs: Oie, et al, J. Pharm. Sci, 68, 1203 (1979)

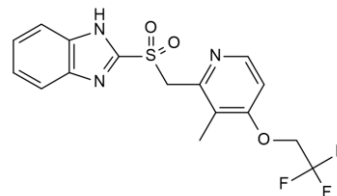
Lansoprazole sulfone - EP

- Lansoprazole impurity B
- 2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole

 [131926-99-3] C₁₆H₁₄F₃N₃O₃S 385.36

IL32158

10mg	\$200.00
25mg	\$300.00
50mg	\$400.00



2-Mercaptobenzimidazole - EP

• 2H-Benzimidazole-2-thione

• Lansoprazole impurity E

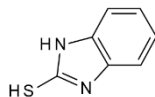
[583-39-1][134469-07-1] C₇H₆N₂S 150.19

IM00310

100g \$65.00

250g \$95.00

500g \$155.00

**1-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]-2-[[[3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole**

• Lansoprazole impurity

• N-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl lansoprazole

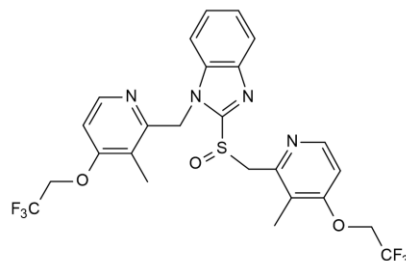
[1083100-26-8] C₂₅H₂₂F₆N₄O₃S 572.52

IM25689

5mg \$150.00

10mg \$272.60

25mg \$496.00



Refs: Wallmark, B, et al, J. Gastroenterol, 20, 37 (1985); Barradell, L, et al, Drugs, 44, 225 (1992); Reddy, K, et al, Pharmazie, 65, 994 (2006)

1-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]-2-[[[3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]thio]-1H-benzimidazole

• Lansoprazole impurity

• N-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl lansoprazole sulfide

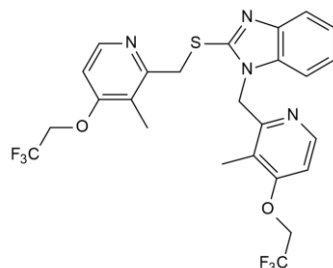
[1083100-27-9] C₂₅H₂₂F₆N₄O₂S 556.52

IM25690

10mg \$149.90

25mg \$272.50

50mg \$496.00



Refs: Wallmark, B, et al, J. Gastroenterol, 20, 37 (1985); Barradell, L, et al, Drugs, 44, 225 (1992); Reddy, K, et al, Pharmazie, 65, 994 (2006)

Lapatinib**N-De[2-(methylsulfonyl)ethyl] lapatinib**

• 6-[5-(Aminomethyl)-2-furanyl]-N-[3-chloro-4-[(3-fluorophenyl)methoxy]phenyl]-4-quinazolinamine

• [6-(5-Aminomethylfuran-2-yl)quinazolin-4-yl][3-chloro-4-(3-fluorobenzyloxy)phenyl]amine

• Lapatinib impurity

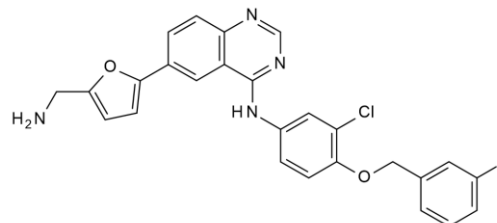
[697299-82-4] C₂₆H₂₀ClFN₄O₂ 474.91

ID20812

2mg \$324.00

5mg \$650.00

10mg \$1050.00



Refs: He, K, et al, Chem. Res. Toxicol, 11, 252 (1998); Rusnuk, D, et al, Cancer Res, 61, 7196 (2001); Li, X, et al, Drug Metab. Dispos, 37, 1242 (2009)

Levo norgestrel**13-Ethyl-18,19-dinor-17a-pregn-4-en-20-yn-17-ol - EP**

• (17a)-13-Ethyl-18,19-dinorpregn-4-en-20-yn-17-ol

• Levonorgestrel impurity D

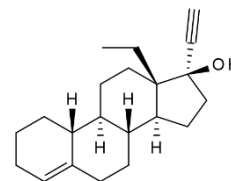
[32419-58-2] C₂₁H₃₀O 298.46

IE23090

1mg \$139.90

2mg \$254.40

5mg \$462.50



Refs: McGinty, D, et al, Endocrinology, 24, 829 (1939)

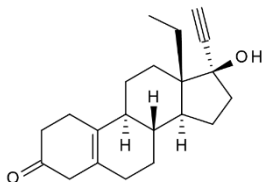
Levonorgestrel**13-Ethyl-17-hydroxy-18,19-dinor-17a-pregn-5(10)-en-20-yn-3-one - EP**

- 13-Ethyl-17a-ethynyl-17-hydroxygon-5(10)-en-3-one
- Levonorgestrel impurity B
- (17a)-13-Ethyl-17-hydroxy-18,19-dinorpregn-5(10)-en-20-yn-3-one

[19914-67-1] C₂₁H₂₆O₂ 312.45

IE23089

1mg \$254.40
2mg \$462.50
5mg \$840.90



Refs: McGinty, D, et al, Endocrinology, 24, 829 (1939)

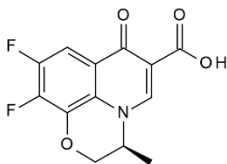
Levofloxacin**Levofloxacin carboxylic acid**

- (3S)-9,10-Difluoro-2,3-dihydro-3-methyl-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid
- Levofloxacin Q acid
- Levofloxacin related compound B

[100986-89-8] C₁₃H₉F₂NO₄ 281.21

IL24882

1g \$80.00
2g \$125.00
5g \$200.00



Refs: Liu, Bo; Y, et al, Bioorg. Med. Chem, 13, 2451 (2005)

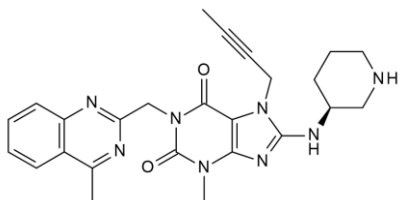
Linagliptin**(R)-7-(But-2-yn-1-yl)-3,7-dihydro-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-8-(3-piperidinylamino)-1H-purine-2,6-dione**

- Des-(R)-piperidin-3-amine 8-(R)-(Piperidin-3-ylamino) Linagliptin
- Linagliptin impurity E

[1446263-38-2] C₂₅H₂₈N₆O₂ 472.54

IB106310

1mg \$200.00
2mg \$300.00
5mg \$600.00

**(R)-7-(But-2-yn-1-yl)-8-(3-(1,3-Dioxoisindolin-2-yl)piperidin-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-1H-purine-2,6(3H,7H)-dione**[886588-63-2] C₃₃H₃₀N₆O₄ 602.64

IB138938

Price on Application

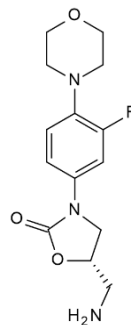
**Linezolid****(5S)-5-(Aminomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-1,3-oxazolidin-2-one**

- Deacetyl linezolid
- (5S)-5-(Aminomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-2-oxazolidinone
- (-)-(S)-5-(Aminomethyl)-3-(3-fluoro-4-morpholinophenyl)oxazolidin-2-one

[168828-90-8] C₁₄H₁₈FN₃O₃ 295.31

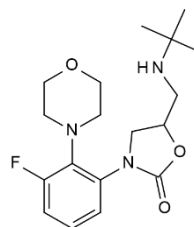
IA58038

10g \$55.00
25g \$105.00
50g \$165.00

**5-((tert-Butylamino)methyl)-3-(3-fluoro-(2-morpholinyl)phenyl)oxazolidin-2-one**C₁₈H₂₆FN₃O₃ 351.42

IT58047

Price on Application



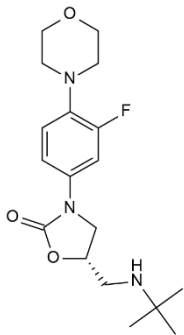
(S)-5-((tert-Butylamino)methyl)-3-(3-fluoro-(4-morpholinyl)phenyl)oxazolidin-2-one

• N-tert-Butyl N-Deacetyl Linezolid

[1215006-08-8] C₁₈H₂₆FN₃O₃ 351.42

IT58048

2mg	\$50.00
5mg	\$90.00
10mg	\$150.00

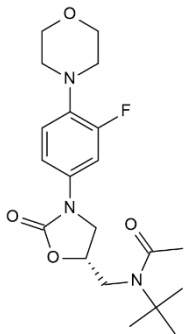
**N-tert-butyl-N-(((S)-3-(3-fluoro-4-morpholinophenyl)-2-oxooxazolidin-5-yl)methyl)acetamide**

• N-tert-Butyl linezolid

[1215006-11-3] C₂₀H₂₈FN₃O₄ 393.45

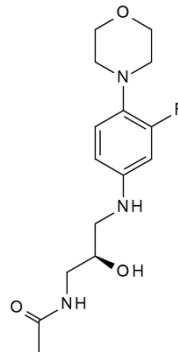
IT58049

2mg	\$50.00
5mg	\$90.00
10mg	\$150.00

**N-[(2R)-3-[[3-Fluoro-4-(4-morpholinyl)phenyl]amino]-2-hydroxypropyl]acetamide**[333753-67-6] C₁₅H₂₂FN₃O₃ 311.35

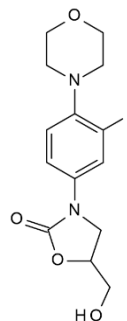
IF58040

Price on Application

**3-(3-Fluoro-4-(4-morpholinyl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one**[513068-96-7] C₁₄H₁₇FN₂O₄ 296.29

IF58044

Price on Application

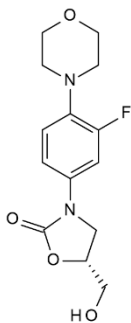


Linezolid

(R)-3-(3-Fluoro-4-(4-morpholinyl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one[168828-82-8] C₁₄H₁₇FN₂O₄ 296.29

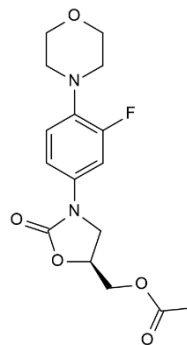
IF58045

10g	\$60.00
25g	\$115.00
50g	\$180.00

**{{(5R)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-1.3-oxazolidin-5-yl)methyl acetate**[496031-56-2] C₁₆H₁₉FN₂O₅ 338.33

IF58043

25mg	\$60.00
50mg	\$100.00
100mg	\$160.00

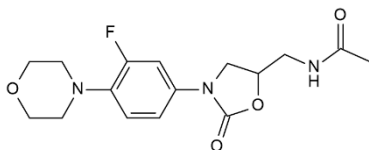
**N-((3-(3-Fluoro-4-(4-morpholinyl)phenyl)-2-oxo-5-oxazolidinyl)methyl)acetamide**

- rac-Linezolid

 [224323-50-6] C₁₆H₂₀FN₃O₄ 337.35

IF58051

10mg	\$55.00
25mg	\$100.00
50mg	\$150.00

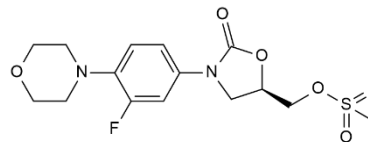
**(R)-3-(3-Fluoro-4-morpholin-4-ylphenyl)-2-oxo-5-oxazolidinyl)methyl methansulfonate**

- Linezolid related compound D

 [174649-09-3] C₁₅H₁₉FN₂O₆S 374.39

IF58046

Price on Application

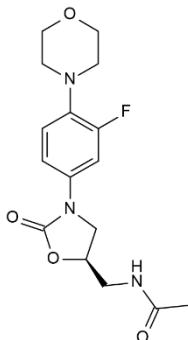
**N-(((5R)-3-(3-Fluoro-4-(4-morpholinyl)phenyl)-2-oxo-5-oxazolidinyl)methyl)acetamide**

- (R)-Linezolid

 [872992-20-6] C₁₆H₂₀FN₃O₄ 337.35

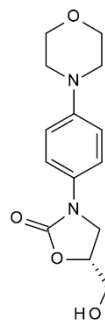
IF58037

25mg	\$200.00
50mg	\$300.00
100mg	\$500.00

**3-(4-(4-Morpholinyl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one**[264601-17-4] C₁₄H₁₈N₂O₄ 278.3

IM58041

1mg	\$50.00
2mg	\$90.00
5mg	\$150.00



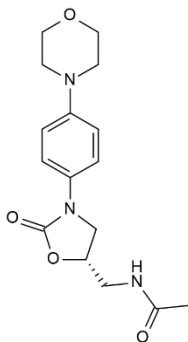
N-(((5S)-3-(4-(4-Morpholinyl)phenyl)-2-oxo-5-oxazolidinyl)methyl)acetamide

• Desfluorolinezolid

[556801-15-1] C₁₆H₂₁N₃O₄ 319.36

IM58042

5mg	\$75.00
10mg	\$120.00
25mg	\$250.00

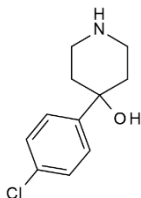
**Loperamide****4-(4-Chlorophenyl)-4-hydroxypiperidine**

- 4-(4-Chlorophenyl)-4-piperidinol
- Loperamide impurity C
- 4-Hydroxy-4-(p-chlorophenyl)piperidine

[39512-49-7] C₁₁H₁₄ClNO 211.69

IC20325

1g	\$85.00
2g	\$150.00
5g	\$250.00

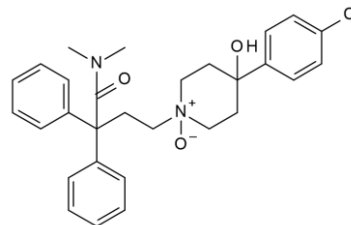
**Loperamide N-oxide**

- Loperamide impurity F
- trans-Loperamide N-Oxide
- 4-(4-Chlorophenyl)-4-hydroxy-N,N-dimethyl-α,α-diphenyl-trans-1-piperidinebutanamide-1-oxide

[106900-12-3] C₂₉H₃₃ClN₂O₃ 493.04

IL24926

1mg	\$50.00
2mg	\$80.00
5mg	\$145.00



Refs: Lavrijsen, K, et al, Drug Metab. Dispos, 23, 354

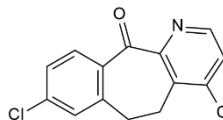
Loratadine**4,8-Dichloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-one**

• Loratadine impurity

[133330-60-6] C₁₄H₉Cl₂NO 278.13

ID21639

1mg	\$227.20
2mg	\$413.00
5mg	\$750.80



Refs: Villani, et al, J. Med. Chem, 15, 750

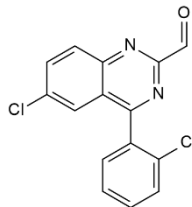
Lorazepam**6-Chloro-4-(2-chlorophenyl)-2-quinazolinecarboxaldehyde**

• Lorazepam impurity C

[93955-15-8] C₁₅H₈Cl₂N₂O 303.14

IC20071

5mg	\$150.00
10mg	\$272.60
25mg	\$496.00



Refs: Wang, H. et al, Yao. Fen. Zaz, 29, 1985 (2009); Dabas, P.C. et al, Drug Dev. Ind. Pharm, 14, 133 (1988)

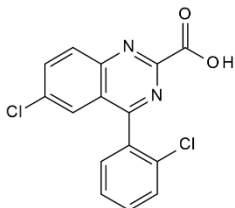
Lorazepam**6-Chloro-4-(2-chlorophenyl)-2-quinazolinecarboxylic acid**

• Lorazepam related compound D

[54643-79-7] C₁₅H₈Cl₂N₂O₂ 319.14

IC76691

Price on Application

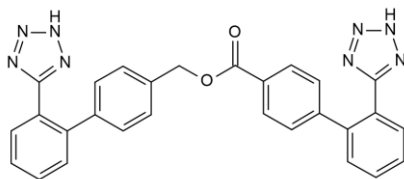
**Losartan****[1,1'-Biphenyl]-2'-(2H-tetrazol-5-yl)-4-carboxylic acid, [1,1'-biphenyl]-(2'-(2H-tetrazol-5-yl)-4-yl)methyl ester**

• Losartan impurity

[1159977-10-2] C₂₈H₂₀N₆O₂ 500.51

IB18639

1mg \$254.40
2mg \$462.50
5mg \$840.90



Refs: Duncia, J.V., et al, J. Med. Chem. 33, 1312 (1990)

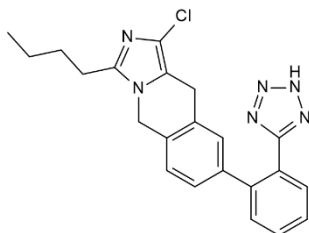
Losartan imidazo[1,5-b]isoquinoline impurity

• 3-Butyl-1-chloro-5,10-dihydro-8-[2-(2H-tetrazol-5-yl)phenyl]-imidazo[1,5-b]isoquinoline

[165276-38-0] C₂₂H₂₁ClN₆ 404.9

IL24943

1mg \$254.40
2mg \$462.50
5mg \$840.90



Refs: Duncia, J.V., et al, J. Med. Chem. 33, 1312 (1990)

Losartan isomer impurity, potassium salt

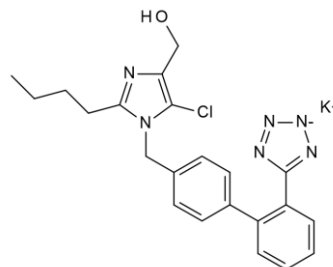
• 2-Butyl-5-chloro-1-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-4-

methanol potassium salt

[860644-28-6] C₂₂H₂₂ClKN₆O 461

IL24944

5mg \$140.00
10mg \$254.50
25mg \$463.00



Refs: Munafo, A, et al, Clin. Pharmacol. Ther. 51, 513 (1992); McCarthy, K, et al, J. Pharm. Biomed. Anal. 17, 671 (1998); Fang, X, et al, J. Pharm. Sci. 90, 1800 (2001)

N1-Losartanyl-losartan

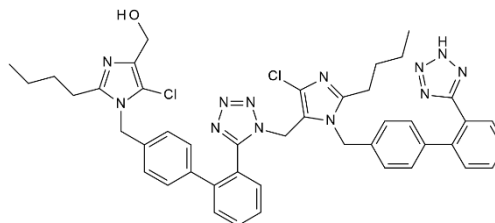
• 2-Butyl-1-[[2'-[1-[[2-butyl-4-chloro-1-[[2-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-yl]methyl]-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-4-chloro-1H-imidazole-5-methanol

• Losartan impurity

[230971-71-8] C₄₄H₄₄Cl₂N₁₂O 827.81

IL24947

1mg \$174.90
2mg \$318.00
5mg \$578.10



Refs: Zhao, Z, et al, J. Pharm. Biomed. Anal. 20, 129 (1999)

Mepivacaine

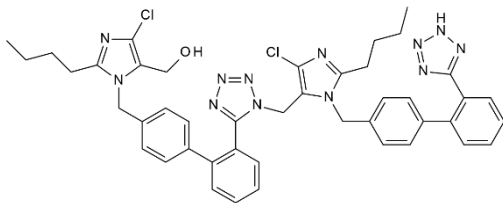
N2-Losartanyl-losartan

• 2-Butyl-1-[[2'-[2-[2-butyl-4-chloro-1-[[2-(2H-tetrazol-5-yl)](1,1'-biphenyl)-4-yl]methyl]-1H-imidazol-5-yl]methyl]-2H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-4-chloro-1H-imidazole-5-methanol

[230971-72-9] C₄₄H₄₄Cl₂N₁₂O 827.81

IL24948

1mg \$174.90
2mg \$318.00
5mg \$578.10



Refs: Zhao, Z, et al, J. Pharma. Biomed. Anal, 20, 129 (1999)

Meloxicam

Amido methyl meloxicam

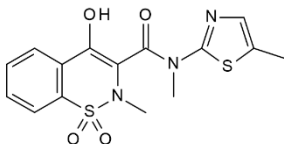
• 4-Hydroxy-N,2-dimethyl-N-(5-methyl-2-thiazolyl)- 2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide

• Meloxicam impurity

[892395-41-4] C₁₅H₁₅N₃O₄S₂ 365.43

IA17352

1mg \$254.40
2mg \$462.50
5mg \$840.90



Refs: Lazer, E, et al, J. Med. Chem, 40, 980

Memantine

N-Acetylmemantine

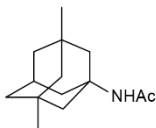
• Memantine impurity C

• N-(3,5-Dimethyltricyclo[3.3.1.1(3,7)]dec-1-yl)-acetamide

[19982-07-1] C₁₄H₂₃NO 221.34

IA11847

250mg \$50.00
500mg \$85.00
1g \$155.00



1-Bromo-3,5-dimethyladamantane

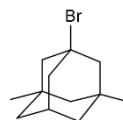
• Memantine impurity B

• 1-Bromo-3,5-dimethyltricyclo[3.3.1.1(3,7)]decane

[941-37-7] C₁₂H₁₉Br 243.18

IB06265

50g \$153.00
100g \$240.00
250g \$300.00



Refs: Wang J-J, Chem Y-T, Liu T-Y, et al, Anticancer Drug Design 1998, Vol13, No7, p779-796

7-Hydroxymemantine hydrochloride

• 3-Amino-5,7-dimethyltricyclo[3.3.1.1(3,7)]decane-1-ol hydrochloride

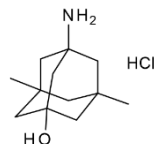
• 1-Amino-3,5-dimethyl-7-hydroxyadamantane hydrochloride

• 1-Amino-7-hydroxy-3,5-dimethyladamantane

[356572-08-2] C₁₂H₂₂ClNO 231.76

IH24038

2mg \$140.00
5mg \$255.00
10mg \$465.00



Refs: Eiichi, K, et al, Chem. Pharm. Bull, 33, 4680

Memantine impurity IV

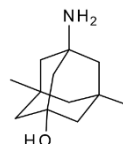
• 1-Amino-7-hydroxy-3,5-dimethyladamantane

• 3-Amino-5,7-dimethyl-tricyclo[3.3.1.1(3,7)]decane-1-ol

[63971-25-5] C₁₂H₂₁NO 195.3

IM57476

25mg \$70.00
50mg \$112.00
100mg \$180.00



Mepivacaine

N-Desmethyl 3-hydroxy mepivacaine

[247061-17-2] C₁₄H₂₀N₂O₂ 248.32

ID74955

1mg \$450.00
2mg \$800.00
5mg \$1600.00

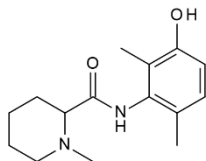


Mepivacaine**3-Hydroxy mepivacaine**

• N-(3-Hydroxy-2,6-dimethylphenyl)-1-methyl
[37055-90-6] C₁₅H₂₂N₂O₂ 262.35

IH24042

1mg \$600.00
2mg \$1150.00
5mg \$2250.00



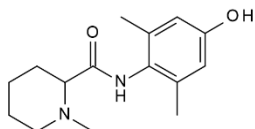
Refs: Harkins, J.D. et al, J. Vet. Pharmacol. Therap, 22, 107 (1999)

4-Hydroxy mepivacaine

• N-(4-Hydroxy-2,6-dimethylphenyl)-1-methyl
[616-66-0] C₁₅H₂₂N₂O₂ 262.35

IH24043

1mg \$100.00
2mg \$180.00
5mg \$250.00



Refs: Cribb, A, et al, Drug Metabol. Dispos, 19, 900 (1991); Brander, C, et al, J. Immunol, 155, 2670 (1995); Padovan, E, et al, Eur. J. Immunol, 27, 1303 (1997)

Mercaptopurine**Mercaptopurine impurity standard**

IM63780

2mg \$60.00
5mg \$100.00
10mg \$150.00

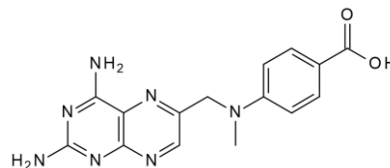
**Methotrexate****4-[[[(2,4-Diamino-6-pteridiny)methyl]methylamino]benzoic acid**

• 2,4-Diamino-N10-methylpteroic acid
• DAMPA

[19741-14-1] C₁₅H₁₅N₇O₂ 325.33

ID20780

10mg \$50.00
25mg \$87.50
50mg \$140.00



Refs: Martinelli, J.E, et al, J. Med. Chem, 22, 869 (1979)

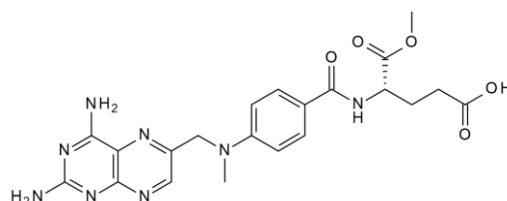
Methotrexate-1-monomethyl ester

• Methotrexate impurity I

[66147-29-3] C₂₁H₂₄N₆O₅ 468.47

IM71454

10mg \$650.00

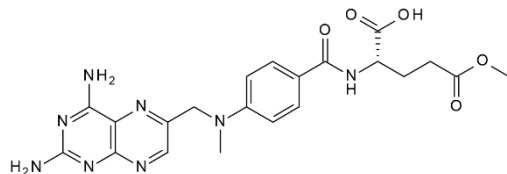
**Methotrexate-5-monomethyl ester**

• Methotrexate impurity H

[67022-39-3] C₂₁H₂₄N₆O₅ 468.47

IM71453

10mg \$650.00



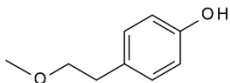
Metoprolol**4-(2-Methoxyethyl)phenol**

- Metoprolol impurity I
- Metoprolol impurity B
- p-(2-Methoxyethyl)phenol

[56718-71-9] C₉H₁₂O₂ 152.19

IM25300

100g	\$60.00
250g	\$120.00
500g	\$175.00



Refs: McGourty, J, et al, Br. J. Clin. Pharmacol, 20, 555

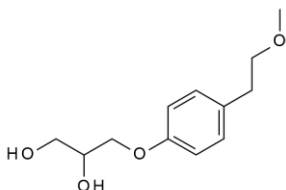
3-[4-(2-Methoxyethyl)phenoxy]-1,2-propanediol

- Metoprolol tartrate impurity D

[62572-90-1] C₁₂H₁₈O₄ 226.27

IM63783

10mg	\$160.00
25mg	\$285.00
50mg	\$450.00

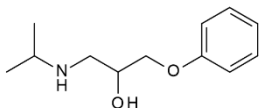
**1-[(1-Methylethyl)amino]-3-phenoxy-2-propanol**

- Metoprolol tartrate impurity F

[7695-63-8] C₁₂H₁₉NO₂ 209.28

IM63785

50mg	\$80.00
100mg	\$120.00
250mg	\$225.00

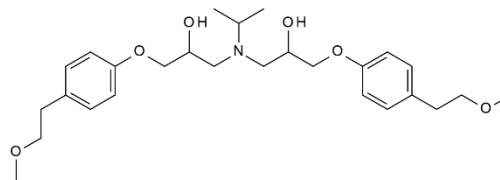
**1,1'-[(1-Methylethyl)imino]bis[3-[4-(2-methoxyethyl)phenoxy]-2-propanol**

- Metoprolol tartrate impurity O

[154784-36-8] C₂₇H₄₁NO₆ 475.62

IM63789

5mg	\$160.00
10mg	\$250.00
25mg	\$550.00

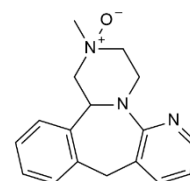
**Mirtazapine****Mirtazapine N-oxide**

- 1,2,3,4,10,14b-Hexahydro-2-methyl-pyrazino[2,1-a]pyrido[2,3-c][2]benzazepine 2-oxide

[155172-12-6] C₁₇H₁₉N₃O 281.35

IM26015

25mg	\$50.00
50mg	\$70.00
100mg	\$100.00



Refs: Kobayashi, K, et al, J. Pharmacol. Exp. Ther, 280, 927 (1997); von Moltke, L, et al, J. Pharm. Pharmacol, 50, 997 (1998); Moore, K, et al, J. Anal. Toxicol, 23, 541 (1999); Stormer, E, et al, Drug Metab. Dispos, 28, 1168 (2000)

1-Oxo mirtazapine

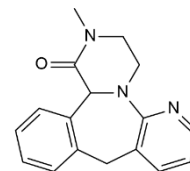
- 3,4,10,14b-Tetrahydro-2-methyl-pyrazino[2,1-a]pyrido[2,3-c][2]benzazepin-1(2H)-one

- Mirtazapine impurity C

[191546-96-0] C₁₇H₁₇N₃O 279.34

IO26654

1mg	\$280.00
2mg	\$500.00
5mg	\$1000.00



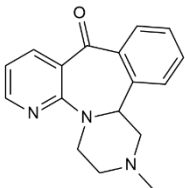
Refs: De Boer, T, et al, Neuropharmacol, 27, 399 (1988)

Mirtazapine**10-Oxo mirtazapine**

- 1,3,4,14b-Tetrahydro-2-methyl-pyrazino[2,1-a]pyrido[2,3-c][2]benzazepin-10(2H)-one
 - Mirtazapine impurity F
- [191546-97-1] C₁₇H₁₇N₃O 279.34

IO26655

25mg \$50.00
50mg \$90.00
100mg \$150.00



Refs: De Boer, T. et al, Neuropharmacol, 27, 399 (1988)

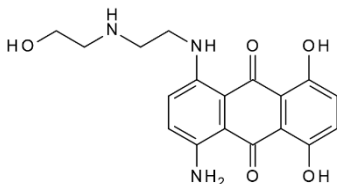
Mitoxantrone**Des[2-[(2-hydroxyethyl)amino]ethyl] mitoxantrone**

- 1-Amino-5,8-dihydroxy-4-[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione
- Mitoxantrone impurity A

[89991-52-6] C₁₈H₁₉N₃O₅ 357.36

ID21105

5mg \$500.00
10mg \$800.00
25mg \$1500.00



Refs: Wang, S. et al, Int. J. Immunopharmacol, 9, 733 (1987)

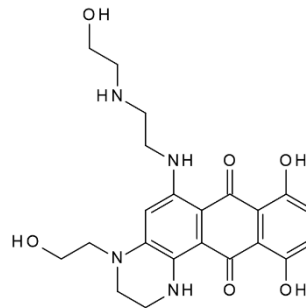
Mitoxantrone (2-hydroxyethyl)piperazine impurity

- 1,2,3,4-Tetrahydro-8,11-dihydroxy-4-(2-hydroxyethyl)-6-[[2-[(2-hydroxyethyl)amino]ethyl]amino]naphtho[2,3-f]quinoxaline-7,12-dione
- Mitoxantrone impurity D

[137132-70-8] C₂₂H₂₆N₄O₆ 442.47

IM26023

25mg \$150.00
50mg \$272.50
100mg \$496.00



Refs: Feafanov, A. et al, Anticancer Res, 19, 5341 (1999); Ponousis, C. et al, Biochem. Pharmacol, 48, 2223 (1994)

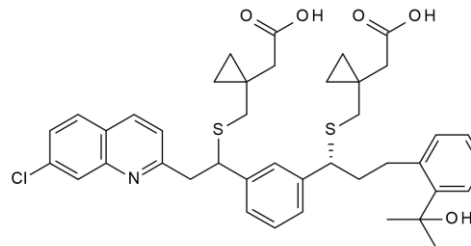
Montelukast**Montelukast Bis-sulfide(mixture of diastereomers)**

- 1-[[[(1R)-1-[3-[1-[[[1-(Carboxymethyl)cyclopropyl]methyl]thio]-2-(7-chloro-2-quinoliny)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]-cyclopropaneacetic acid

[1242260-05-4] C₄₁H₄₆ClNO₅S₂ 732.39

IM111872

2mg \$85.00
5mg \$170.00
10mg \$260.00



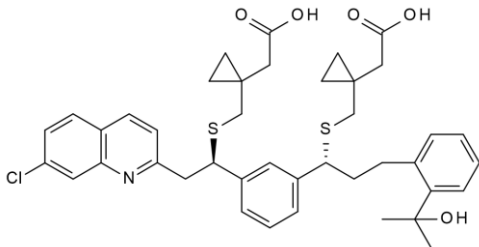
(R,R)-Montelukast bis-sulfide

• 1-[[[(1R)-1-[3-[(1R)-1-[[[1-(Carboxymethyl)cyclopropyl]methyl]thio]methyl]-2-(7-chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]-cyclopropaneacetic acid

[1187586-61-3] C₄₁H₄₆ClNO₅S₂ 732.39

IM111982

Price on Application

**Montelukast impurity I**

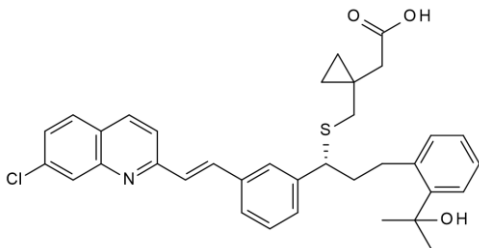
• α-Hydroxy montelukast

• 1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]-cyclopropaneacetic acid

[158966-92-8] C₃₅H₃₆ClNO₃S 586.18

IM111856

500ug \$550.00
1mg \$860.00
2mg \$1368.00

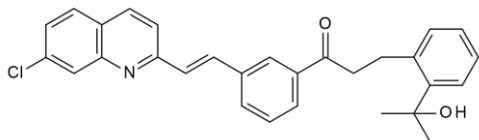
**Montelukast Ketone impurity**

• 1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]-1-propanone.

[1258428-71-5] C₂₉H₂₆ClNO₂ 455.97

IM111859

Price on Application

**Mupirocin****Pseudomonic acid D sodium**

• [1(E),2E,8[2S,3S(1S,2S)]]-5,9-Anhydro-2,3,4,8-tetraoxo-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-L-talo-non-2-enonic acid 8-carboxy-5-octenyl ester monosodium salt

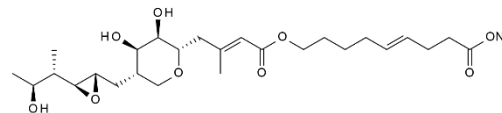
• Sodium pseudomionate D

• Mupirocin impurity C

[85178-60-5] C₂₆H₄₁NaO₉ 520.59

IP27256

1mg \$900.00
2mg \$1720.00
5mg \$4100.00



Refs: Banks, R.M, et al, J. Antibiot, 41, 609 (1988)

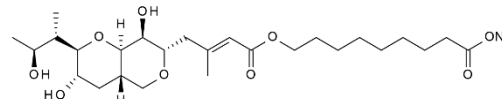
2H,5H-Pyrano[4,3-b]pyranyl mupirocin sodium impurity

• [2R-[2a(1S*,2S*),3b,4a-a,7b(E),8a,8a-b]]-9-[[4-[Hexahydro-3,8-dihydroxy-2-(2-hydroxy-1-methylpropyl)-2H,5H-pyrano[4,3-b]pyran-7-yl]-3-methyl-1-oxo-2-butenyl]oxy]nonanoic acid monosodium salt

[116182-44-6] C₂₆H₄₃NaO₉ 522.6

IP27268

1mg \$593.40
2mg \$1078.80
5mg \$1961.40



Refs: Sime, J.T, et al, Tetrahedron Lett, 28, 5169 (1987)

Mycophenolate mofetil**O-Desmethyl mycophenolate mofetil**

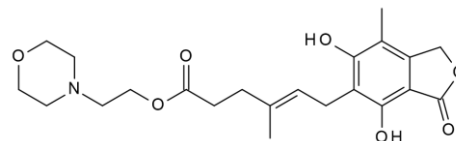
• Mycophenolate mofetyl impurity A

• 6-(1,3-Dihydro-4,6-dihydroxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-2-(4-morpholinyl)ethyl ester-(4E)-4-hexenoic acid

[1322681-36-6] C₂₂H₂₉NO₇ 419.47

ID21294

1mg \$80.00
2mg \$100.00
5mg \$150.00



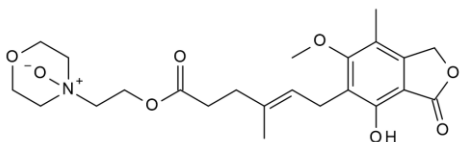
Refs: Mackall, J.C, et al, J. Biol. Chem, 251, 6462 (1976); Nishio, E, et al, Eur. J. Pharmacol, 301, 203 (1996); Zhang, B, et al, J. Clin. Endocrinol. Metab, 84, 4274 (1999); Reusch, J.E.B, et al, Mol. Cell. Biol, 20, 1008 (2000)

Mycophenolat**Mycophenolate mofetil N-oxide - EP**

• (4E)-6-(1,3-Dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic Acid 2-(4-Oxido-4-morpholinyl)ethyl Ester
[224052-51-1] C₂₃H₃₁NO₈ 449.49

IM26107

1mg	\$254.40
2mg	\$462.50
5mg	\$840.90



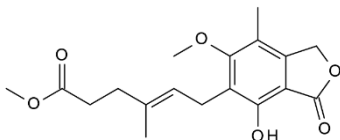
Refs: Jones, D, et al, J. Med. Chem, 14, 305 (1971)

Mycophenolic acid**Methyl mycophenolate - EP**

• (4E)-6-(1,3-Dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic acid methyl ester
• Mycophenolic acid methyl ester
[31858-66-9] C₁₈H₂₂O₆ 334.36

IM25526

50mg	\$125.00
100mg	\$227.00
250mg	\$412.50



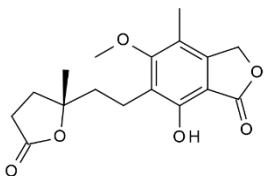
Refs: Allison, A, et al, Immunol. Rev, 136, 5

Mycophenolic acid lactone - EP

• (S)-7-Hydroxy-5-methoxy-4-methyl-6-[2-(tetrahydro-2-methyl-5-oxo-2-furanyl)ethyl] -1(3H)-isobenzofuranone
• Mucophenolic acid impurity L
[79081-87-1] C₁₇H₂₀O₆ 320.34

IM26109

1mg	\$139.90
2mg	\$254.40
5mg	\$462.50



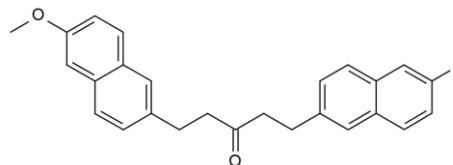
Refs: Jones, D, et al, J. Med. Chem, 14, 305 (1971)

Nabumetone**Nabumetone dimer**

• 1,5-bis(6-Methoxy-2-naphthalenyl)-3-pentanone
• Nabumetone dimer impurity
[343272-53-7] C₂₇H₂₆O₃ 398.49

IN26116

50mg	\$150.50
100mg	\$273.00
250mg	\$497.50



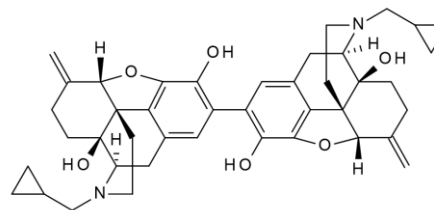
Refs: Friedel, H, et al, Drugs, 35, 504 (1988); Davies, N, et al, Clin. Pharmacokin, 33, 403 (1997)

Nalmefene**2,2'-Bisnalmefene**

• (5a)-(5'a)-17,17'-bis(Cyclopropylmethyl)-4,5:4',5'-diepoxy-6,6'-bis(methylene)-[2,2'-bimorphinan]-3,3',14,14'-tetrol
• 2,2'-bis(6-Deoxo-6-methylenalretrexone)
• Nalmefene impurity
[176220-84-1] C₄₂H₄₈N₂O₆ 676.84

IB18817

1mg	\$318.00
2mg	\$578.10
5mg	\$1051.10



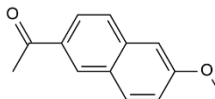
Refs: Brittain, H.G, et al, J. Pham. Sci. Tech, 50, 35 (1996); Murthy, S, et al, J. Pham. Biomed. Anal, 15, 221 (1996)

Naproxen**6'-Methoxy-2'-acetonaphthone**

• 1-(6-Methoxy-2-naphthalenyl)ethanone
• Naproxen impurity L
[3900-45-6] C₁₃H₁₂O₂ 200.23

IM25222

100g	\$45.00
250g	\$72.50
500g	\$120.00



Refs: Boynton, C, et al, J. Clin. Pharmacol, 28, 512

M

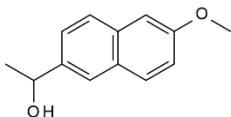
(1R)-1-(6-Methoxy-2-naphthyl)ethanol

- 6-Methoxy- α -methyl-2-naphthalenemethanol
- Naproxen impurity K

[77301-42-9] C₁₃H₁₄O₂ 202.25

IM25230

25mg	\$110.00
50mg	\$200.50
100mg	\$364.00



Refs: Boynton, C, et al, J. Clin. Pharmacol, 28, 512

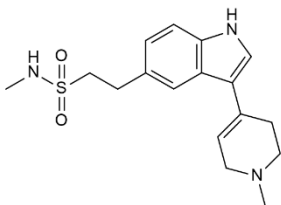
Naratriptan**3,4-Dihydro naratriptan**

- N-Methyl-3-(1,2,3,6-tetrahydro-1-methyl-4-pyridinyl)-1H-indole-5-ethanesulfonamide
- Naratriptan impurity B

[121679-20-7] C₁₇H₂₃N₃O₂S 333.45

ID21930

2mg	\$125.00
5mg	\$227.20
10mg	\$413.00

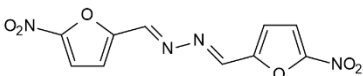
**Nifuratel****5-Nitrofuraldazine**

- Nifuratel impurity B
- 5-Nitro-[(5-nitro-2-furanyl)methylene]hydrazone, (E,E)-2-furancarboxaldehyde

[112537-96-9] C₁₀H₆N₄O₆ 278.18

IN32159

5mg	\$80.00
10mg	\$127.70
25mg	\$255.50

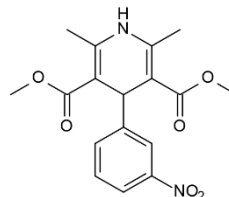
**Nitrendipine****1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinecarboxylic acid dimethyl ester**

- m-Nifedipine

[21881-77-6] C₁₇H₁₈N₂O₆ 346.33

ID57942

25mg	\$50.00
50mg	\$75.00
100mg	\$120.00

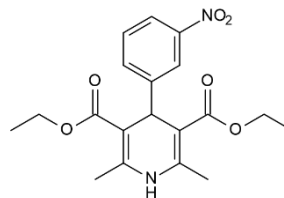
**1,4-Dihydro-2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid diethyl ester**

- Diethyl 2,6-Dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate
- Nitrendipine impurity C

[21829-28-7] C₁₉H₂₂N₂O₆ 374.39

ID57940

50mg	\$65.00
100mg	\$100.00
250mg	\$175.00

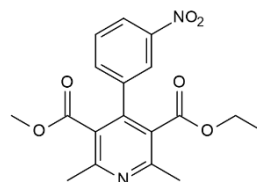
**2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid ethyl methyl ester**

- Dehydronitrendipine

[89267-41-4] C₁₈H₁₈N₂O₆ 358.35

ID57949

2mg	\$50.00
5mg	\$65.00
10mg	\$100.00

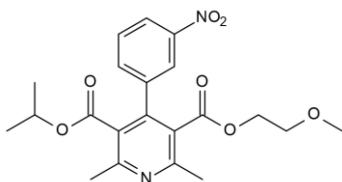


Nitrendipine**2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid isopropyl 2-methoxyethyl ester**

• Nimodipine impurity A

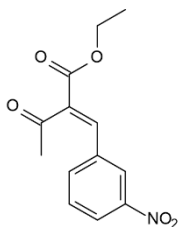
[85677-93-6] C₂₁H₂₄N₂O₇ 416.42

ID57948

10mg \$60.00
25mg \$100.00
50mg \$145.00**Ethyl 2-(3-nitrobenzylidene) acetoacetate**[39562-16-8] C₁₃H₁₃NO₅ 263.25

IE57965

Price on Application

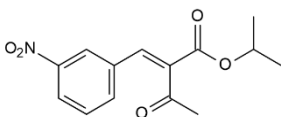
**Isopropyl 2-(3-nitrobenzylidene)acetoacetate**

• 2-[(3-Nitrophenyl)methylene]-3-oxo-butanoic acid 1-methylethyl ester

[39562-25-9] C₁₄H₁₅NO₅ 277.27

IP57944

Price on Application

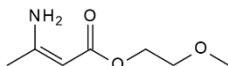
**2-Methoxyethyl-3-aminocrotonate**

• 3-Amino-2-butenoic acid 2-methoxyethyl ester

[50899-10-0] C₇H₁₃NO₃ 159.18

IM57945

Price on Application

**Methyl 3-aminocrotonate**

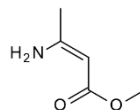
• 3-Amino-2-butenoic acid methyl ester

• 3-Aminocrotonic acid methyl ester

• Methyl 3-amino-2-butenenoate

[14205-39-1] C₅H₉NO₂ 115.13

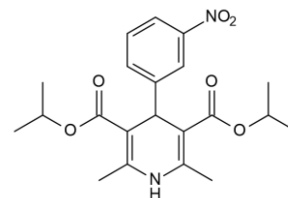
IM57964

500g \$70.00
1Kg \$135.00
2Kg \$240.00**(RS)-Di-isopropyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate**

• Nimodipine impurity B

[21881-78-7] C₂₁H₂₆N₂O₆ 402.44

ID57941

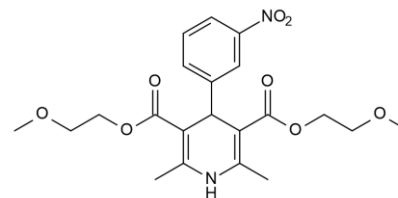
100mg \$60.00
250mg \$100.00
500mg \$150.00**(RS)-Di-(2-methoxyethyl) 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate**

• Nimodipine related compound B

• 1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 3,5-bis-(2-methoxyethyl) ester

[70172-96-2] C₂₁H₂₆N₂O₈ 434.44

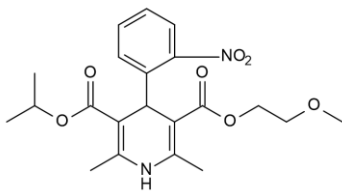
ID57943

5mg \$65.00
10mg \$100.00
25mg \$200.00

(RS)-Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(2-nitrophenyl)pyridine-3,5-dicarboxylate[1316606-40-2] C₂₁H₂₆N₂O₇ 418.44

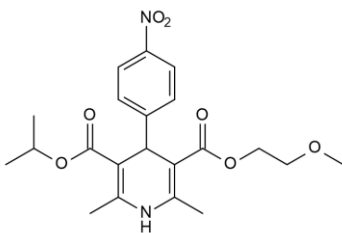
II57938

Price on Application

**(RS)-Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(4-nitrophenyl)pyridine-3,5-dicarboxylate**C₂₁H₂₆N₂O₇ 418.44

II57939

25mg	\$50.00
50mg	\$70.00
100mg	\$100.00

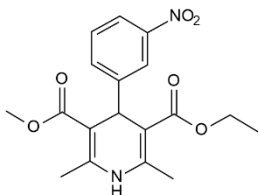
**(RS)-Methyl ethyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate**

- 1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid ethyl methyl ester
- Nitrendipine

[39562-70-4] C₁₈H₂₀N₂O₆ 360.36

IM57947

10g	\$55.00
25g	\$100.00
50g	\$150.00

**Olanzapine****2-Methyl-10-(2-nitrophenyl)-10H-benzo[b]thieno[2,3-e] [1,4]diazepin-4-amine**

IM146328

Price on Application

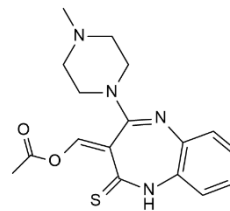
**Olanzapine acetoxymethylene**

- 3-[(Acetyloxy)methylene]-1,3-dihydro-4-(4-methyl-1-piperazinyl)-(3Z)-2H-1,5-benzodiazepine-2-thione

[1320360-87-9] C₁₇H₂₀N₄O₂S 344.43

IQ26539

5mg	\$100.00
10mg	\$150.00
25mg	\$300.00



Refs: Jacobsen, E, et al, Acta Pharmacol. Toxicol, 11, 135 (1955); Chakrabarti, J.K, et al, J. Med. Chem, 23, 878 (1980); Luo, H, et al, J. Pharm. Sci, 11, 1079 (1992); Moore, N.A, et al, Curr. Opin. Invest. Drugs, 2, 281 (1993)

Olanzapine ketolactam

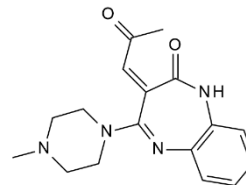
- (3Z)-1,3-Dihydro-4-(4-methyl-1-piperazinyl)-3-(2-oxopropylidene)-2H-1,5-benzodiazepin-2-one

- Olanzapine ketolactam impurity

[1017241-34-7] C₁₇H₂₀N₄O₂ 312.37

IQ26538

1mg	\$550.00
2mg	\$1000.00
5mg	\$1750.00



Refs: Chakrabarti, J, et al, J.Med. Chem, 25, 1133

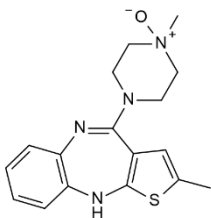
Olanzapine**Olanzapine N-oxide**

- Olanzapine impurity 4
- Olanzapine impurity D
- 2-Methyl-4-(4-methyl-4-oxido-1-piperazinyl)-10H-thieno[2,3-b][1,5]benzodiazepine

[174794-02-6] C₁₇H₂₀N₄OS 328.43

IO106348

5mg \$625.00
10mg \$200.00
25mg \$375.00

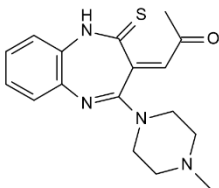
**Olanzapine thiolactam impurity**

- (1Z)-1-[4,5-Dihydro-2-(4-methyl-1-piperazinyl)-4-thioxo-3H-1,5-benzodiazepin-3-ylidene]-2-propanone

[1017241-36-9] C₁₇H₂₀N₄OS 328.43

IO26541

1mg \$295.00
2mg \$540.00
5mg \$1100.00



Refs: Chakrabarti, J, et al, J.Med. Chem, 25, 1133

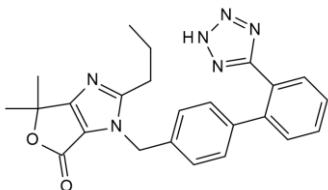
Olmesartan lactone**Olmesartan lactone impurity**

- 3,6-Dihydro-6,6-dimethyl-2-propyl-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-4H-furo[3,4-d]imidazol-4-one
- 6,6-Dimethyl-2-propyl-3-[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-3,6-dihydro-4H-furo[3,4-d]imidazol-4-one

[849206-43-5] C₂₄H₂₄N₆O₂ 428.49

ID57929

25mg \$75.00
50mg \$100.00
100mg \$150.00

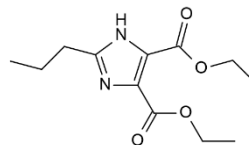
**Olmesartan medoxomil****Diethyl 2-propylimidazole-4,5-dicarboxylate**

- 2-Propyl-1H-imidazole-4,5-dicarboxylic acid diethyl ester

[144689-94-1] C₁₂H₁₈N₂O₄ 254.28

ID57936

Price on Application

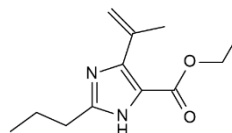
**Ethyl 4-isopropenyl-2-propylimidazole-5-carboxylate**

- 4-(1-Methylethenyl)-2-propyl-1H-imidazole-5-carboxylic acid ethyl ester
- 5-(1-Methylethenyl)-2-propyl-1H-imidazole-4-carboxylic acid ethyl ester

[157356-73-5] C₁₂H₁₈N₂O₂ 222.28

IE57937

5mg \$60.00
10mg \$100.00
25mg \$200.00

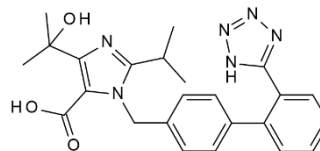
**4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid**

- Olmesartan acid
- Olmesartan

[144689-24-7] C₂₄H₂₈N₆O₃ 446.5

IH57928

250mg \$65.00
500mg \$100.00
1g \$160.00

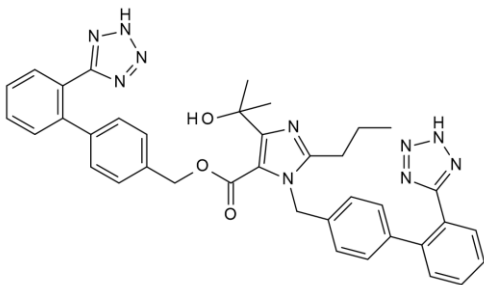


4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[4-[2-(tetrazol-5-yl)phenyl]phenyl]methyl imidazole-5-carboxylate [4-[2-(tetrazol-5-yl)phenyl]phenyl]methyl

[1427168-38-4] C₃₈H₃₆N₁₀O₃ 680.76

IH57927

10mg \$65.00
25mg \$95.00
50mg \$140.00



4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-(triphenylmethyl)-2H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-(5-methyl-2-oxo-1,3-dioxol-4-yl)1H-imidazole-5-carboxylic acid methyl ester

- N-2Trityl olmesartan medoxomil
- Olmesartan impurity D

• 5-(1-Hydroxy-1-methyl-ethyl)-2-propyl-3-[2'-(2-trityl-2H-tetrazol-5-yl)-biphenyl-4-ylmethyl]-3H-imidazole-4-carboxylic acid 5-methyl-2-oxo-[1,3]dioxol-4-ylmethyl ester

[1020157-01-0] C₄₈H₄₄N₆O₆ 800.9

IH139102

50mg \$750.00
100mg \$1250.00
250mg \$1750.00



4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[4-[2-(trityltetrazol-5-yl)phenyl]phenyl]methylimidazo-5-carboxylate ethyl

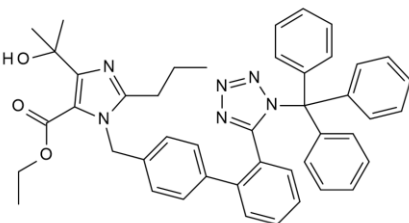
- Olmesartan ethyl ester trityl impurity

• 4-(1-Hydroxy-1-methyl-ethyl)-2-propyl-1-[[2'-(1-triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid ethyl ester

[144690-33-5] C₄₅H₄₄N₆O₃ 716.87

IH57930

25g \$65.00
50g \$100.00
100g \$175.00



4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[4-[2-(trityltetrazol-5-yl)phenyl]phenyl]methylimidazo-5-carboxylate (5-methyl-2-oxo-1,3-dioxolen-4-yl)methyl

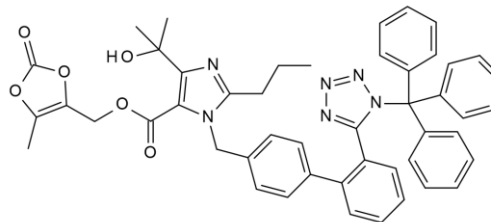
- Trityl olmesartan medoxomil

• 4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-(1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester

[144690-92-6] C₄₈H₄₄N₆O₆ 800.9

IH57932

5mg \$56.20
10mg \$89.80
25mg \$144.00



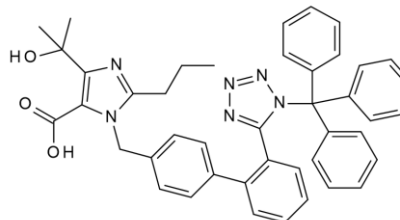
4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[4-[2-(trityltetrazol-5-yl)phenyl]phenyl]methylimidazol-5-sodium caboxylate

- Trityl olmesartan acid

[761404-85-7] C₄₃H₃₉N₆NaO₃ 710.8

IH57931

2g \$50.00
5g \$80.00
10g \$125.00



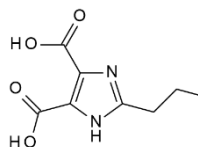
2-Propylimidazole-4,5-dicarboxylic acid

- Olmesartan imidazole diacid impurity

[58954-23-7] C₈H₁₀N₂O₄ 198.18

IP57935

Price on Application



Olsalazine

Olsalazine

Olsalazine sodium impurity A

• 6-Hydroxy-6'-methoxy-3,3'-diazenediylidibenzoic acid
 $C_{15}H_{12}N_2O_6$ 316.27

IO63794

Price on Application



Olsalazine sodium impurity B

• 2,6'-Dihydroxy-3,3'-diazenediylidibenzoic acid
 $C_{14}H_{10}N_2O_6$ 302.24

IO63795

Price on Application

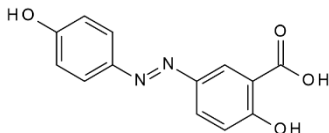


Olsalazine sodium impurity C

• 3-Descarboxy olsalazine
 • 2-Hydroxy-5-[2-(4-hydroxyphenyl)diazenyl]-benzoic acid
 [259151-72-9] $C_{13}H_{10}N_2O_4$ 258.23

IO63796

25mg \$60.00
 50mg \$100.00
 100mg \$190.00

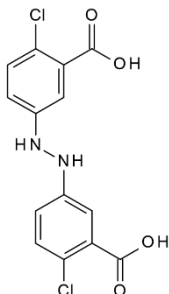


Olsalazine sodium impurity D

• 4-Dehydroxy-4-chloro olsalazine
 • 5-[(3-Carboxy-4-chlorophenyl)azo]-2-hydroxy-benzoic acid
 • 5-[(3-Carboxy-4-chlorophenyl)azo]salicylic acid
 [93964-55-7] $C_{14}H_9ClN_2O_5$ 320.68

IO63797

25mg \$50.00
 50mg \$90.00
 100mg \$150.00



Olsalazine sodium impurity E

• 2-Hydroxy-5-[[4-hydroxy-3-(sulfoacetyl)phenyl]diazenyl]benzoic acid
 $C_{15}H_{12}N_2O_8S$ 380.33

IO63798

Price on Application



Olsalazine sodium impurity F

• 2'-[(3-Carboxy-4-hydroxyphenyl)diazenyl]-4,5'-dihydroxybiphenyl-3,4'-dicarboxylic acid
 $C_{21}H_{14}N_2O_9$ 438.34

IO63799

Price on Application



Olsalazine sodium impurity G

• 5-[(3-Carboxy-4-hydroxyphenyl)diazenyl]-2,4'-dihydroxybiphenyl-3,3'-dicarboxylic acid
 $C_{21}H_{14}N_2O_9$ 438.34

IO63800

Price on Application



Olsalazine sodium impurity H

• 3,3'-[5-Carboxy-4-hydroxy-1,3-phenylenebis(diazenediyl)]bis(6-hydroxybenzoic acid)
 $C_{21}H_{14}N_4O_9$ 466.36

IO63801

Price on Application



Olsalazine sodium impurity I

• 5-[(3-Carboxy-4-chlorophenyl)azo]-2-hydroxy-benzoic acid
 $C_{20}H_{14}N_2O_7$ 422.35

IO63802

Price on Application



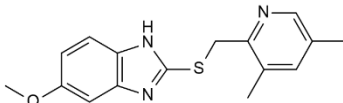
Omeprazole

4-Desmethoxy omeprazole sulfide

• 2-[[[(3,5-Dimethyl-2-pyridinyl)methyl]thio]-6-methoxy-1H-benzimidazole
[704910-89-4] C₁₆H₁₇N₃OS 299.39

ID63496

1mg \$65.00
2mg \$100.00
5mg \$200.00

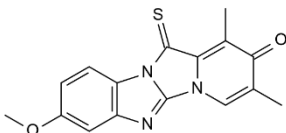


2,12-Dihydro-1,3-dimethyl-8-methoxy-12-thioxobenzo [4,5] pyrido [1,2-c] imidazo [1,2-a] imidazol-2-one

• 8-Methoxy-1,3-dimethyl-12-thioxopyrido[1',2':3,4]imidazo[1,2-a]-benzimidazol-2(12H)-one
• Omeprazole impurity F
[125656-82-8] C₁₆H₁₃N₃O₂S 311.36

ID57924

Price on Application

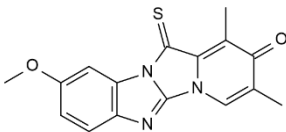


2,12-Dihydro-1,3-dimethyl-9-methoxy-12-thioxobenzo [4,5] pyrido [1,2-c] imidazo [1,2-a] imidazol-2-one

• 9-Methoxy-1,3-dimethyl-12-thioxopyrido[1',2':3,4]imidazo[1,2-a]-benzimidazol-2(12H)-one
• Omeprazole impurity G
[125656-83-9] C₁₆H₁₃N₃O₂S 311.36

ID57925

Price on Application

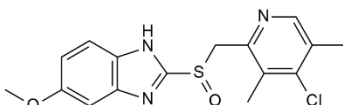


5-Methoxy-2-[[[(4-Chloro-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole

• 2-[(RS)-[(4-Chloro-3,5-dimethylpyridin-2-yl)methyl]sulfinyl]-5-methoxy-1H-benzimidazole
• Omeprazole impurity H
• 4-Desmethoxy-4-chloro omeprazole
[863029-89-4] C₁₆H₁₆ClN₃O₂S 349.84

IM57916

1mg \$65.00
2mg \$100.00
5mg \$180.00

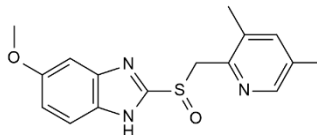


5-Methoxy-2-[[[(3,5-dimethyl-2-pyridinyl)methyl]sulphonyl]-1H-benzimidazole

• 2-[(RS)-[(3,5-Dimethylpyridin-2-yl)methyl]sulphonyl]-5-methoxy-1H-benzimidazole
• Esomeprazole magnesium trihydrate impurity B
• Omeprazole impurity B
[110374-16-8] C₁₆H₁₇N₃O₂S 315.39

IM57917

10mg \$69.00
25mg \$135.00
50mg \$210.00



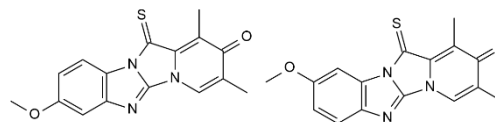
8(9)-Methoxy-1,3-dimethyl-12-thioxopyrido[1',2':3,4]imidazo[1,2-a]benzimidazol-2(12H)-one - (mixture of regioisomers)

• Omeprazole impurity (mixture of regioisomers)
• Omeprazole impurity F and G

[125656-82-8][125656-83-9] C₁₆H₁₃N₃O₂S 311.36

IM64044

1mg \$75.00
2mg \$130.00
5mg \$225.00

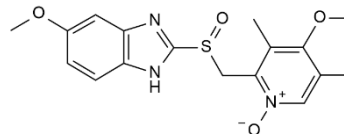


5-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole N-oxide

• Omeprazole N-oxide
• 6-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-1-oxido-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole
[176219-04-8] C₁₇H₁₉N₃O₄S 361.42

IM57921

5mg \$50.00
10mg \$80.00
25mg \$150.00



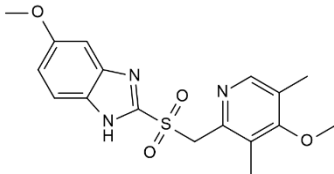
Omeprazole**5-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole**

- Esomeprazole magnesium trihydrate impurity D
- Omeprazole impurity D
- Omeprazole sulphone

[88546-55-8] C₁₇H₁₉N₃O₄S 361.42

IM57926

25mg	\$50.00
50mg	\$90.00
100mg	\$150.00

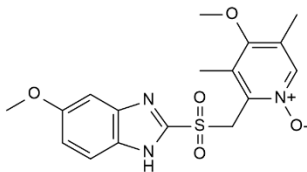
**5-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulphonyl]-1H-benzimidazole N-oxide**

- 4-Methoxy-2-[[[(5-methoxy-1H-benzimidazol-2-yl)sulphonyl]methyl]-3,5-dimethylpyridine 1-Oxide
- Omeprazole impurity I
- Omeprazole sulphone N-oxide

[158812-85-2] C₁₇H₁₉N₃O₅S 377.42

IM57920

10mg	\$60.00
25mg	\$125.00
50mg	\$170.00

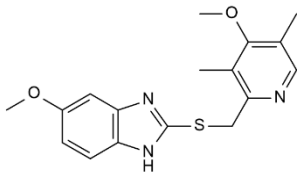
**5-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]thio]-1H-benzimidazole**

- Omeprazole sulfide
- 6-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]thio]-1H-benzimidazole
- 2-[[[(3,5-Dimethyl-4-methoxy-2-pyridyl)methyl]thio]-5-methoxybenzimidazole

[73590-85-9] C₁₇H₁₉N₃O₂S 329.42

IM57923

50g	\$60.00
100g	\$95.00
250g	\$185.00

**Orlistat****N-Formyl-D-leucine (1R)-1-[[[(2R,3R)-3-Hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester**

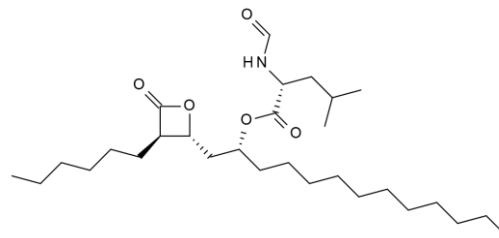
- (R,R,R,R)-Orlistat

[104872-27-7]

C₂₉H₅₃NO₅ 495.73

IF26576

2mg	\$1155.40
5mg	\$2100.80
10mg	\$3819.50

**N-Formyl-D-leucine (1R)-1-[[[(2S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester**

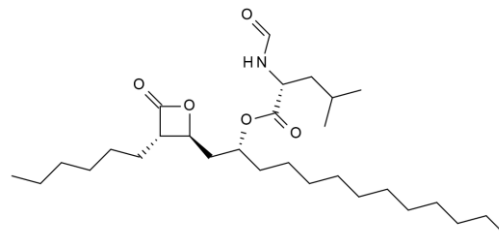
- (R,R,S,S)-Orlistat

[1225451-00-2]

C₂₉H₅₃NO₅ 495.73

IF26577

2mg	\$1155.40
5mg	\$2100.80
10mg	\$3819.50

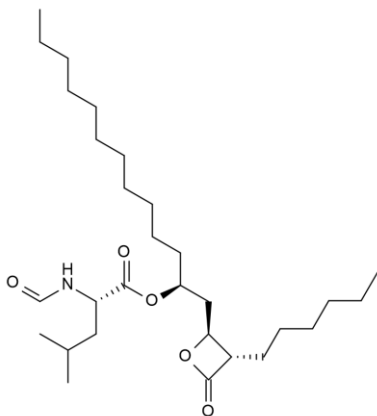


N-Formyl-D-leucine (1S)-1-[[[(2S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester

• (R,S,S,S)-Orlistat
 • [2S-[2a(R*),3b]]-N-Formyl-D-leucine 1-[(3-Hexyl-4-oxo-2-oxetanyl)methyl]dodecyl ester
 [104872-28-8] C₂₉H₅₃NO₅ 495.73

IF26578

2mg \$1155.40
 5mg \$2100.80
 10mg \$3819.50



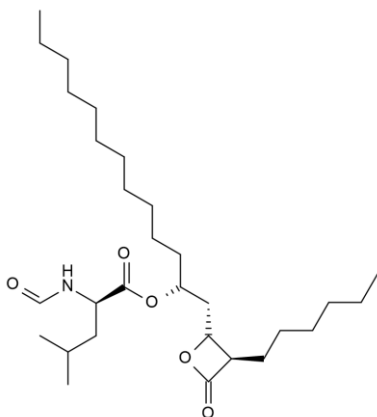
Refs: Ortar, G. et al, J. Med. Chem, 51, 6970 (2008)

N-Formyl-L-leucine (1R)-1-[[[(2R,3R)-3-Hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester

• (S,R,R,R)-Orlistat
 [111466-61-6] C₂₉H₅₃NO₅ 495.73

IF26579

1mg \$738.10
 2mg \$1342.00
 5mg \$2440.00



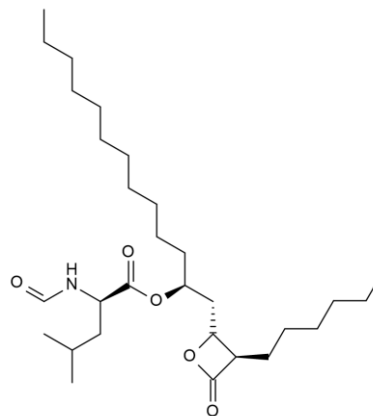
Refs: Barbier, P, et al, Helv. Chimica Acta, 70, 196 (1987)

N-Formyl-L-leucine (1S)-1-[[[(2R,3R)-3-hexyl-4-oxo-2-oxetanyl] methyl] dodecyl ester

• (S,S,R,R)-Orlistat
 [111466-62-7] C₂₉H₅₃NO₅ 495.73

IF26581

1mg \$800.00
 2mg \$1500.00
 5mg \$3200.00



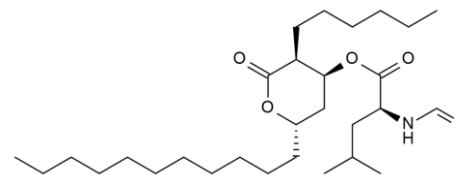
Refs: Barbier, P, et al, Helv. Chimica Acta, 70, 196 (1987)

N-Formyl-L-leucine (3S,4S,6S)-3-hexyltetrahydro-2-oxo-6-undecyl-2H-pyran-4-yl ester

• Ro 40-4441
 • Orlistat impurity
 [130676-65-2] C₂₉H₅₃NO₅ 495.73

IF23583

1mg \$290.70
 2mg \$528.60
 5mg \$961.00



Refs: Stalder, H, et al, Helv. Chim. Acta, 75, 1593 (1992)

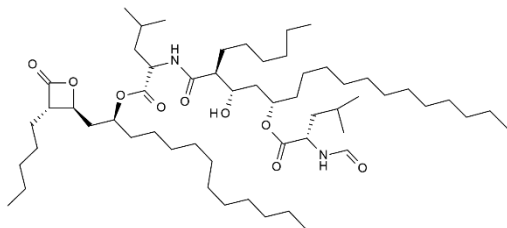
Orlistat**O5-(N-Formyl-L-leucyl)-(2S,3S,5S)-2-hexyl-3,5-dihydroxyhexadecanoyl-L-leucine(1S)-1-[[[(2S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester**

• Orlistat dimer impurity

[881900-54-5] C₅₇H₁₀₆N₂O₉ 963.46

IF26583

Price on Application

**(2S,3R,5S)-5-[(N-Formyl-L-leucyl)oxy]-2-hexyl-3-hydroxyhexadecanoic acid**

• [2R-(1(S*),2R*,3S*)]-N-Formyl-L-leucine 1-[3-carboxy-2-hydroxyonyl]dodecyl ester

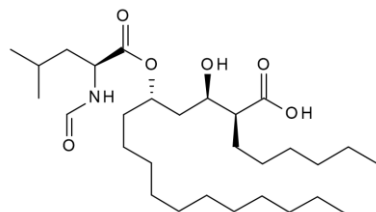
[130793-28-1] C₂₉H₅₅NO₆ 513.75

IF23585

1mg \$420.00

2mg \$735.00

5mg \$1470.00



Refs: Stalder, H, et al.

(S)-3-Hexyl-5,6-dihydro-6-undecyl-2H-pyran-2-one

• Orlistat dihydropyranone impurity

[130676-64-1] C₂₂H₄₀O₂ 336.55

IH145573

Price on Application

**Oxymetazoline****4-tert-Butyl-2,6-dimethyl-3-hydroxyphenylacetamide**

• 4-(1,1-Dimethylethyl)-3-hydroxy-2,6-dimethylbenzeneacetamide

• 2-(4-tert-Butyl-3-hydroxy-2,6-dimethylphenyl)acetamide

• Oxymetazoline impurity C

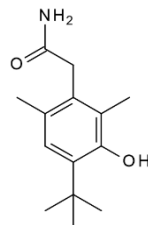
[55699-13-3] C₁₄H₂₁NO₂ 235.32

IB19482

5mg \$140.00

10mg \$254.50

25mg \$463.00

**Paclitaxel****N-Debenzoyl-N-hexanoylpaclitaxel**

• Paclitaxel impurity C

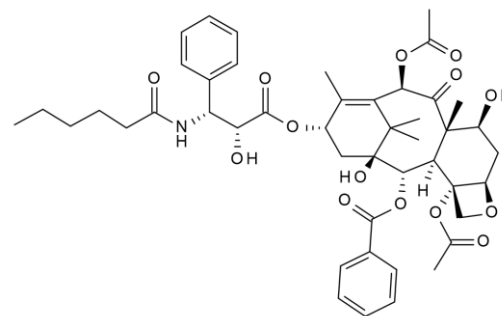
• (-)-Taxuyunnanine

• Taxol C

[153415-45-3] C₄₆H₅₇NO₁₄ 847.94

ID26723

Price on Application



Refs: Ojima, I, et al, J. Med. Chem, 38, 3891 (1995)

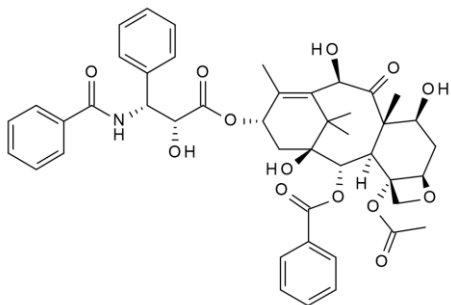
7-Epi 10-desacetyl paclitaxel

- 10-Deacetyl-7-epi-taxol
- 10-Deacetyl-7-epitaxol
- 10-Desacetyl-7-epipaclitaxel

[78454-17-8] C₄₅H₄₉NO₁₃ 811.87

IE22703

1mg \$80.00
2mg \$140.00
5mg \$250.00



Refs: Schiff, P, et al, Nature, 277, 665 (1979);

Parness, J, et al, J. Cell Biol, 91, 479 (1981);

Swindell, C, et al, J. Med. Chem, 34, 1176 (1991)

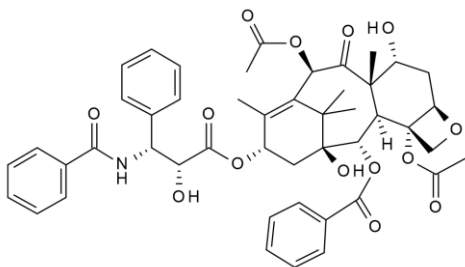
7,11-Methano-1H-cyclodeca[3,4]benz[1,2-b]oxete benzenepropanoic acid derivative

- 7-Epipaclitaxel
- 7-Epitaxol
- 7-epi-taxol

[105454-04-4] C₄₇H₅₁NO₁₄ 853.91

IM22711

1mg \$80.00
2mg \$100.00
5mg \$150.00



Refs: Miller, R, et al, J. Nat. Prod, 43, 425 (1980)

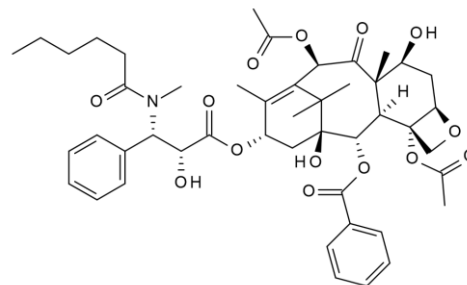
N-Methyltaxol C

- N-Methylpaclitaxel C
- Paclitaxel impurity F

[153083-53-5] C₄₇H₅₉NO₁₄ 861.97

IM76714

Price on Application

**Paclitaxel impurity O**

- Benzenepropanoic acid, α-hydroxy-β-[[[(2E)-1-oxo-3-phenyl-2-propen-1-yl]amino]-, (2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (αR,βS)-

[219783-77-4] C₄₉H₅₃NO₁₄ 879.94

IP145574

Price on Application

**Paclitaxel impurity 2**

- beta-(Dimethylamino)-benzenepropanoic acid (3S,4aR,5S,6S,11R,12R,12aR)-5-(acetyloxy)-1,2,3,4,4a,5,6,7,8,11,12,12a-dodecahydro-6,11,12-trihydroxy-9,12a,13,13-tetramethyl-4-methylene-8-oxo-6,10-methanobenzocyclodecen-3-yl ester

[959572-72-6] C₃₃H₄₅NO₈ 583.71

IP145575

Price on Application

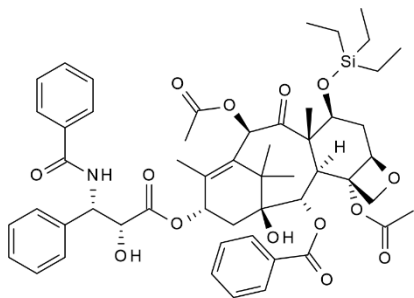


Paclitaxel**7-O-(Triethylsilyl) paclitaxel**

• (a-R,b-S)-b-(Benzoylamino)-a-hydroxy-benzenepropanoic acid (2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-11-hydroxy-4a,8,13,13-tetramethyl-5-oxo-4-[(triethylsilyl)oxy]-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester
 • 7-O-(Triethylsilyl)taxol
 [148930-55-6] C₅₃H₆₅NO₁₄Si 968.17

IT28433

2mg \$180.00
 5mg \$350.00
 10mg \$600.00



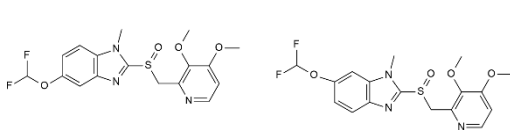
Refs: Kerns, E, et al, J. Nat. Products, 57, 1391 (1994); Golik, J, et al, Bioorg. Med. Chem. Lett, 6, 1837 (1996)

Pantoprazole**5- and 6-Difluoromethoxy-2-(((3,4-dimethoxy-2-pyridinyl)methyl)sulfinyl)-1-methyl benzimidazole**

• 5- and 6-(Di-fluoromethoxy)-2-[(RS)-((3,4-dimethoxy-pyridin-2-yl)methyl)sulfinyl]-1-methyl-1H-benzimidazole
 • Mixture of impurities D and F
 • Pantoprazole sodium sesquihydrate
 [624742-53-6][721924-06-7] C₁₇H₁₇F₂N₃O₄S 397.4

ID57909

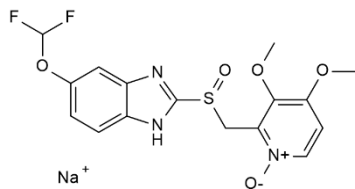
10mg \$70.00
 25mg \$125.00
 50mg \$200.00

**5-Difluoromethoxy-2-(((3,4-dimethoxy-1-oxidepyridin-2-yl)methyl)sulphonyl)-1H-benzimidazole sodium salt**

• Pantoprazole N-oxide sodium salt
 • 2-(((5-(Difluoromethoxy)-1H-benzimidazol-2-yl)sulfinyl)methyl)-3,4-dimethoxy-pyridine 1-oxide sodium salt
 [1279822-90-0] C₁₆H₁₅F₂N₃O₅Na 422.36

ID57910

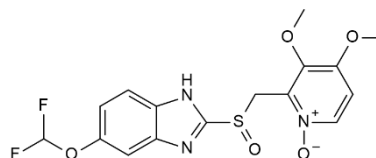
2mg \$50.00
 5mg \$100.00
 10mg \$150.00

**6-(Difluoromethoxy)-2-(((3,4-dimethoxy-1-oxido-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazole**

• Pantoprazole N-oxide
 [953787-60-5] C₁₆H₁₅F₂N₃O₅S 399.37

ID26752

5mg \$124.90
 10mg \$227.20
 25mg \$413.00



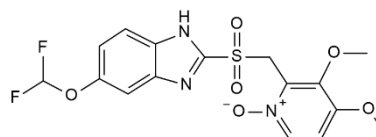
Refs: G.M. Reddy et al, J. Pharm. Biomed. Analysis, 45, 201 (2007)

6-(Difluoromethoxy)-2-(((3,4-dimethoxy-1-oxido-2-pyridinyl)methyl)sulfonyl)-1H-benzimidazole

• Pantoprazole sulfone N-oxide
 [953787-55-8] C₁₆H₁₅F₂N₃O₆S 415.37

ID26757

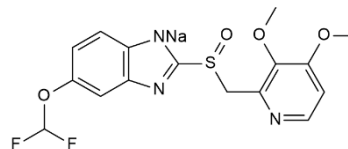
2mg \$139.90
 5mg \$254.40
 10mg \$462.50

**5-Difluoromethoxy-2-(((3,4-dimethoxy-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazole sodium salt sesquihydrate**

• Pantoprazole sodium sesquihydrate
 [138786-67-1] C₁₆H₁₄F₂N₃NaO₄S·1.5H₂O 432.38

ID57914

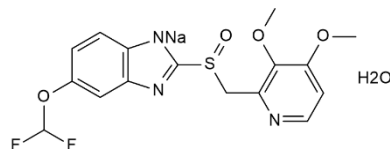
Price on Application

**5-Difluoromethoxy-2-(((3,4-dimethoxy-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazole sodium salt**

• Pantoprazole sodium
 [138786-67-1] C₁₆H₁₄F₂N₃NaO₄S 405.35

ID57913

5g \$60.00
 10g \$100.00
 25g \$160.00

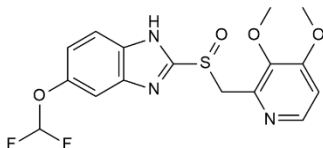


5-Difluoromethoxy-2-[[[(3,4,-dimethoxy-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole

• Pantoprazole
[102625-70-7] C₁₆H₁₅F₂N₃O₄S 383.37

ID57912

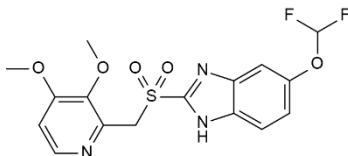
Price on Application

**5-Difluoromethoxy-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole**

• 5-(Difluoromethoxy)-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole
• Pantoprazole sodium sesquihydrate impurity A
• Pantoprazole sulphone
[127780-16-9] C₁₆H₁₅F₂N₃O₅S 399.37

ID57915

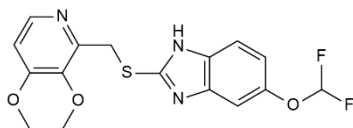
50mg \$75.00
100mg \$120.00
250mg \$245.00

**5-Difluoromethoxy-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole**

• Pantoprazole sulfide
• Pantoprazole thioether
[102625-64-9] C₁₆H₁₅F₂N₃O₃S 367.37

ID57911

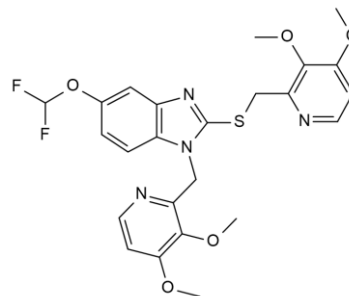
10mg \$110.10
25mg \$200.50
50mg \$364.00

**N-[(3,4-Dimethoxy-2-pyridinyl)methyl] pantoprazole sulfide**

• 5-(Difluoromethoxy)-1-[[[(3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole
• Pantoprazole impurity
[957470-58-5] C₂₄H₂₄F₂N₄O₅S 518.53

ID22178

10mg \$150.00
25mg \$275.00
50mg \$450.00



Refs: Reddy, G.M, et al, J. Pharmaceut. Biomed. Anal, 45, 201 (2007)

2-[[[(3,4-Dimethoxy-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazol-6-ol

• Desdifluoromethoxy hydroxy pantoprazole
[1261238-06-5] C₁₅H₁₅N₃O₄S 333.36

ID85350

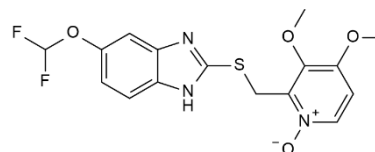
Price on Application

**Pantoprazole sulfide N-oxide**

• 5-(Difluoromethoxy)-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole-N-oxide
• 6-(Difluoromethoxy)-2-[[[(3,4-dimethoxy-1-oxido-2-pyridinyl)methyl]thio]-1H-benzimidazole
[953787-51-4] C₁₆H₁₅F₂N₃O₄S 383.37

IP26756

10mg \$65.00
25mg \$100.00
50mg \$180.00



Refs: Miner, P, et al, Am. J. Gastroenterology, 98, 2616

Pemetrexed

Pemetrexed

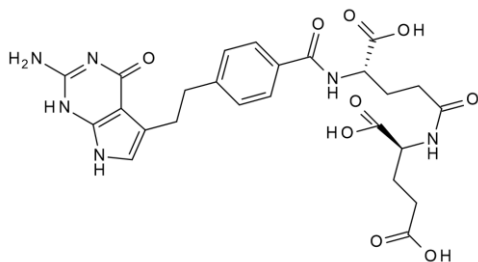
N-[4-[2-(2-Amino-4,7-dihydro-4-oxo-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzoyl]-L-gamma-glutamyl-L-glutamic acid

• Pemetrexed impurity D

[144051-68-3] C₂₅H₂₈N₆O₉ 556.52

IA63809

2mg \$340.00
5mg \$535.00
10mg \$820.00



Pemetrexed impurity B

[1802552-04-0] C₄₀H₄₀N₁₀O₁₃ 868.81

IP63807

Price on Application



Pemetrexed impurity C

[1802552-16-4] C₄₀H₄₀N₁₀O₁₃ 868.81

IP63808

Price on Application



Pemetrexed related impurity 2

C₂₀H₂₁N₅O₈ 459.41

IP145997

Price on Application



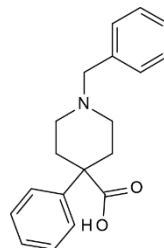
Pethidine hydrochloride

1-Benzyl-4-phenylpiperidine-4-carboxylic acid

• 1-Benzyl-4-phenyl-isonipecotic acid
• 1-Benzyl-4-phenyl-4-piperidinecarboxylic acid
[61886-17-7] C₁₈H₂₁NO₂ 283.36

IB57902

Price on Application

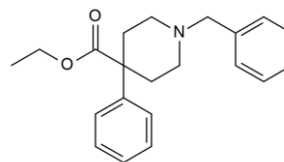


Ethyl(1-Benzyl-4-phenylpiperidine-4-carboxylate)

[59084-08-1] C₂₁H₂₅NO₂ 323.43

IE57906

Price on Application

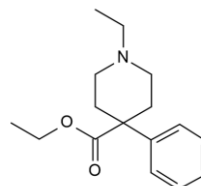


Ethyl(N-ethyl-4-phenylpiperidine-4-carboxylate) hydrochloride

[34256-20-7] C₁₆H₂₄ClNO₂ 297.82

IE57907

Price on Application



HCl

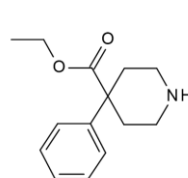


Ethyl(4-phenylpiperidine-4-carboxylate) carbonate salt

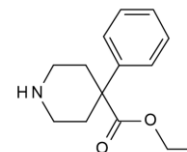
[70740-80-6] C₂₉H₄₀N₂O₇ 528.64

IE57901

Price on Application



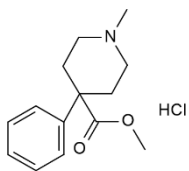
H₂CO₃



Methyl 1-methyl-4-phenylpiperidine-4-carboxylate) hydrochloride[10566-94-6] C₁₄H₁₉NO₂·HCl 269.77

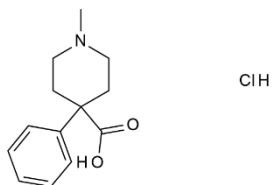
IM57900

Price on Application

**1-Methyl-4-phenylpiperidine-4-carboxylic acid hydrochloride**[100609-26-5] C₁₃H₁₇NO₂·HCl 255.74

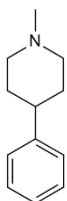
IM57899

Price on Application

**N-Methyl-4-phenylpiperidine**[774-52-7] C₁₂H₁₇N·HCl 211.73

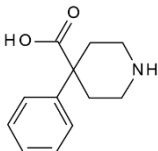
IM57897

Price on Application

**4-Phenylpiperidine-4-carboxylic acid**[3627-45-0] C₁₂H₁₅NO₂ 205.25

IP57908

Price on Application

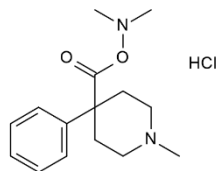
**2-Propyl(1-methyl-4-phenylpiperidine-4-carboxylate) hydrochloride**

• Properidine Hydrochloride

[1071618-25-1] C₁₆H₂₃NO₂·HCl 297.82

IP57904

Price on Application

**Phenylephrine****rac-Benzyl phenylephrine hydrochloride**

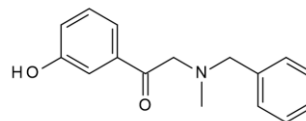
• 1-(3-Hydroxyphenyl)-2-[methyl(phenylmethyl)amino]ethanone hydrochloride

• Phenylephrine impurity E hydrochloride

[71786-67-9] C₁₆H₁₈ClNO₂ 291.77

IB27489

5mg	\$110.00
10mg	\$170.00
25mg	\$250.00



Refs: Hukki, J, et al, Acta Chemica Scandinavica, 13, 329 (1959)

rac-Norphenylephrine hydrochloride

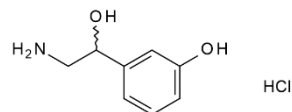
• a-(Aminomethyl)-3-hydroxybenzenemethanol

• Phenylephrine impurity A

[4779-94-6] C₈H₁₂ClNO₂ 189.64

IN27563

5g	\$60.00
10g	\$100.00
25g	\$180.00



Refs: Musser, J.H.

(S)-Phenylephrine hydrochloride

• (aS)-3-Hydroxy-a-[(methylamino)methyl]benzenemethanol hydrochloride

[939-38-8] C₉H₁₄ClNO₂ 203.67

IP58255

100mg	\$300.00
250mg	\$525.00
500mg	\$840.00



Pidotimod

Pidotimod

(5aS,10aS)-Tetrahydrodipyrrolo[1,2-a:1',2'-d]pyrazine-3,5,8,10(2H,5aH)-tetraone

• Pidotimod impurity A

[14842-41-2] C₁₀H₁₀N₂O₄ 222.2

IT145577

Price on Application

**(R)-3-((R)-5-Oxopyrrolidine-2-carbonyl)thiazolidine-4-carboxylic acid**

• Pidotimod impurity C

[162148-17-6] C₉H₁₂N₂O₄S 244.27

IO145576

Price on Application

**(S)-3-((R)-5-Oxopyrrolidine-2-carbonyl)thiazolidine-4-carboxylic acid**

• Pidotimod impurity D

[162148-15-4] C₉H₁₂N₂O₄S 244.27

IO145579

Price on Application

**(S)-3-((S)-5-Oxopyrrolidine-2-carbonyl)thiazolidine-4-carboxylic acid**

• Pidotimod impurity E

[162148-16-5] C₉H₁₂N₂O₄S 244.27

IO145580

Price on Application

**Pidotimod diketopiperazine-6-propanoic acid**

• Hexahydro-5,8-dioxo-3H-thiazolo[3,4-a]pyrazine-6-propanoic acid

• Pidotimod impurity X

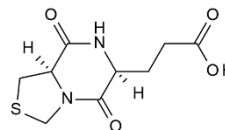
[161771-75-1] C₉H₁₂N₂O₄S 244.27

IP27041

2mg \$149.90

5mg \$272.60

10mg \$495.50



Refs: Crimella, T. et al, Arzneim.-Forsch, 44, 1405 (1994); Gu, C, et al, Pharm. Res, 25, 979 (2008)

(5aR,10aR)-Tetrahydro-3H,5H,8H,10H-bisthiazolo[3,4-a:3',4'-d]pyrazine-5,10-dione

• Pidotimod impurity B

[72744-67-3] C₈H₁₀N₂O₄S₂ 870.29

IT145578

Price on Application



Pioglitazone

a-(Aminocarbonyl)-4-[2-(5-ethyl-2-pyridinyl)ethoxy]benzenesulfonic acid

• Pioglitazone sulfonic acid impurity

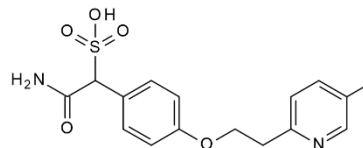
[625853-73-8] C₁₈H₂₂N₂O₅S 378.44

IA27057

2mg \$174.90

5mg \$318.00

10mg \$578.20



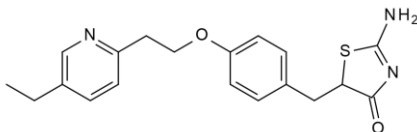
Refs: Krieter, P, et al, Drug Metab. Dispos, 22, 625 (1994); Kiyota, Y, et al, Arzneim.-Forsch, 47, 22 (1997)

2-Amino-5-[[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-4(5H)-thiazolone

- Pioglitazone 2-imine
 - 5-[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]benzyl]-2-imino-4-thiazolidinone
- [105355-26-8] C₁₉H₂₁N₃O₂S 355.46

IA27055

1g \$60.00
2g \$96.00
5g \$185.00



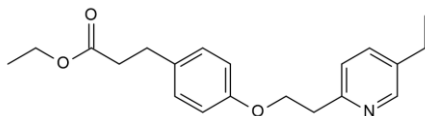
Refs: Radha, K, et al, J. Pharm. Biomed. Anal, 29, 593 (2002)

4-[2-(5-Ethyl-2-pyridinyl)ethoxy]benzenepropanoic acid ethyl ester

- Pioglitazone impurity E
- [868754-42-1] C₂₀H₂₅NO₃ 327.42

IE23113

1mg \$124.90
2mg \$227.10
5mg \$413.00



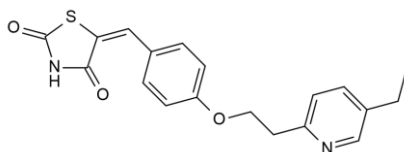
Refs: Tanis, S.P, et al, J. Med. Chem, 39, 5053 (1999)

5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]-methylene]-2,4-thiazolidinedione

- 5-[4-[2-(5-Ethylpyridin-2-yl)ethoxy]benzylidene]thiazolidine-2,4-dione
 - Pioglitazone impurity B
- [144809-28-9] C₁₉H₁₈N₂O₃S 354.42

IE23114

10mg \$120.10
25mg \$218.50
50mg \$396.50



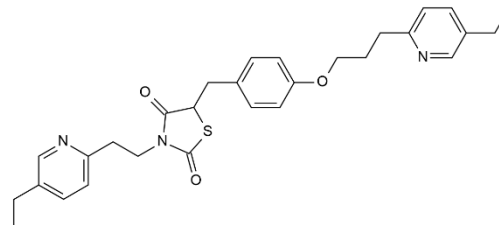
Refs: Diaz, J, et al, J. Biol. Chem, 272, 11350 (1997)

N-[Ethyl-(2-pyridyl-5-ethyl) pioglitazone

- 5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-3-[2-(5-ethyl-2-pyridinyl)ethyl]-2,4-thiazolidinedione
 - Pioglitazone impurity C
- [952188-00-0] C₂₈H₃₁N₃O₃S 489.63

IE23077

1mg \$139.90
2mg \$254.40
5mg \$462.50



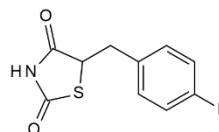
Refs: Tanis, S, et al, J. Med. Chem, 39, 5053

5-(4-Fluorobenzyl)-2,4-thiazolidinedione

- 5-[(4-Fluorophenyl)methyl]-2,4-thiazolidinedione
 - 5-(4-Fluorobenzyl)thiazolidine-2,4-dione
 - Pioglitazone fluoro impurity
- [291536-42-0] C₁₀H₈FN₂O₂S 225.24

IF23425

Price on Application

**Piroxicam****3,4-Dihydro-4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid ethyl ester 1,1-dioxide**

- [113913-36-3] C₁₂H₁₃NO₅S 283.3

ID141777

1g \$115.00
2g \$180.00
5g \$325.00



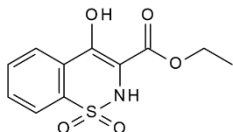
Piroxicam**4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic acid, ethyl ester 1,1-dioxide**

- Ethyl 4-Hydroxy-2H-1,2-benzothiazine-3-carboxylate 1,1-Dioxide
- Piroxicam impurity H
- 4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic acid

[24683-21-4] C₁₁H₁₁NO₅S 269.27

IH57894

10mg	\$50.00
25mg	\$100.00
50mg	\$175.00

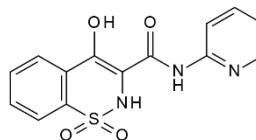
**4-Hydroxy-N-2-pyridinyl-2H-1,2-benzothiazine-3-carboxamide-1,1-dioxide**

- Desmethyl piroxicam
- Piroxicam impurity B

[65897-46-3] C₁₄H₁₁N₃O₄S 317.32

IH21308

1mg	\$227.20
2mg	\$413.00
5mg	\$750.80



Refs: Chiaini, J, et al, J. Med. Chem, 14, 1175 (1971); Kwon, S, et al, Arzneim.-Forsch, 46, 966 (1996)

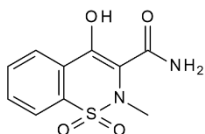
4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide

- Despyridyl piroxicam
- Piroxicam impurity C

[24683-25-8] C₁₀H₁₀N₂O₄S 254.26

IH21390

1mg	\$227.20
2mg	\$413.00
5mg	\$750.80



Refs: Zinnes, H, et al, J. Med. Chem, 16, 44 (1973); Schmid, J, et al, Xenobiotica, 25, 1219 (1995)

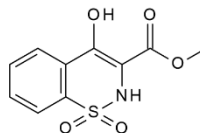
Methyl 4-hydroxy-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxide

- 4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic acid methyl ester 1,1-dioxide
- Piroxicam impurity G

[35511-14-9] C₁₀H₉NO₅S 255.25

IM25440

25mg	\$90.00
50mg	\$135.00
100mg	\$215.00



Refs: Lombardino, J, et al, J. Med. Chem, 14, 1171 (1971)

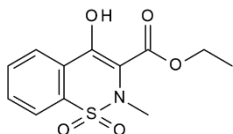
4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid, ethyl ester 1,1-dioxide

- Ethyl 4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylate 1,1-Dioxide
- Meloxicam impurity A
- Piroxicam impurity K

[24683-26-9] C₁₂H₁₃NO₅S 283.3

IH57896

5g	\$109.90
10g	\$199.90
25g	\$388.50

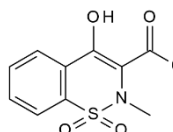
**Methyl 4-hydroxy-2-methyl-(2H)-1,2-benzothiazine-3-carboxylate-1,1-dioxide**

- Piroxicam impurity J
- 4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid methyl ester 1,1-dioxide

[35511-15-0] C₁₁H₁₁NO₅S 269.28

IM07157

1g	\$55.00
2g	\$90.00
5g	\$150.00

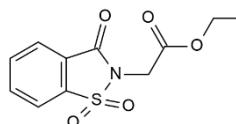
**3-Oxo-1,2-benzisothiazole-2(3H)-acetic acid ethyl ester 1,1-dioxide**

- Piroxicam impurity E
- Saccharin N-(2-acetic acid ethyl ester)

[24683-20-3] C₁₁H₁₁NO₅S 269.27

IO57893

10mg	\$50.00
25mg	\$62.50
50mg	\$115.00



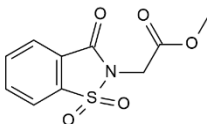
3-Oxo-1,2-benzisothiazoline-2-acetic acid methyl ester 1,1-dioxide

- Saccharin N-(2-acetic acid methyl ester)
- NSC 49216
- Piroxicam impurity D

[6639-62-9] C₁₀H₉NO₅S 255.25

IO26668

500mg \$135.00
1g \$231.00
2g \$378.00



Refs: Lombardino, J, et al, J. Med. Chem, 14, 1171 (1971); Turck, D, et al, Clin. Drug Invest, 9, 270

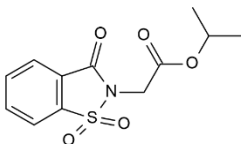
Saccharin N-(2-acetic acid isopropyl ester)

- 3-Oxo-1,2-benzisothiazole-2(3H)-acetic acid 1-methylethyl ester 1,1-dioxide
- Piroxicam impurity F

[76508-37-7] C₁₂H₁₃NO₅S 283.3

IS27777

5mg \$120.00
10mg \$218.00
25mg \$396.50



Refs: Lombardino, J, et al, J. Med. Chem, 14, 1171 (1971); Turck, D, et al, Clin. Drug Invest, 9, 270

Pitavastatin**Defluoropitavastatin calcium Salt**

- (3R,5S,6E)-7-(2-Cyclopropyl-4-phenyl-3-quinolinyl)-3,5-dihydroxy-6-heptenoic acid calcium Salt (2:1)

[1258947-30-6]

ID145425

Price on Application

**((3R,5S,6E)-Methyl-7-(2-cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)-3,5-dihydroxyhept-6-enoate**

- Pitavastatin methyl ester impurity

[849811-78-5]

IM145424

Price on Application

**Pitavastatin anti isomer impurity**

- ((3R,5R,6E)-7-[2-Cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl]-3,5-dihydroxy-6-heptenoic acid calcium salt (2:1))

[254452-96-5]

IP145450

Price on Application

**Pitavastatin N-oxide**

IP145433

Price on Application

**Pitavastatin 3S,5R isomer**

- bis[(3S,5R,6E)-7-[2-Cyclopropyl-4-(4-fluorophenyl)-3-quinolinyl]-3,5-dihydroxy-6-heptenoate] calcium salt

[254452-88-5]

IP145451

Price on Application

**Pitavastatin Z-isomer impurity**

- Monocalcium bis[(3R,5S,6Z)-7-[2-cyclopropyl-4-(4-fluorophenyl)-quinolinyl]-3,5 dihydroxy -6-heptenoate

[1159588-21-2]

IP145423

Price on Application

**Pravastatin****Des(2-methylbutyryl) pravastatin**

- [1S-[1a(b-S*,δS*),2a,6a,8b,8a-a]]-1,2,6,7,8,8a-Hexahydro-b,δ,6,8-tetrahydroxy-2-methyl-1-naphthaleneheptanoic acid

[151006-03-0] C₁₈H₂₈O₆ 340.41

ID21077

50mg \$1500.00
100mg \$2700.00



Refs: Everett, D. W., et al, Drug Metab. Dispos, 19, 740 (1991)

Pravastatin

6-Epi pravastatin sodium salt

• Pravastatin Related Compound B

• 1-Naphthaleneheptanoic acid, 1,2,6,7,8,8a-hexahydro- β , δ ,6-trihydroxy-2-methyl-8-[(2S)-2-methyl-1-oxobutoxy]-, monosodium salt, (β R, δ R,1S,2S,6R,8S,8aR)-[81176-41-2] C₂₃H₃₅O₇·Na 446.51

IE34975

1mg	\$165.00
2mg	\$264.00
5mg	\$525.00

**3alpha-Hydroxy pravastatin sodium salt**• (β R, δ R,1S,2R,3S,8S,8aR)-1,2,3,7,8,8a-Hexahydro- β , δ ,3-trihydroxy-2-methyl-8-[(2S)-2-methyl-1-oxobutoxy]-1-naphthaleneheptanoic acid sodium salt

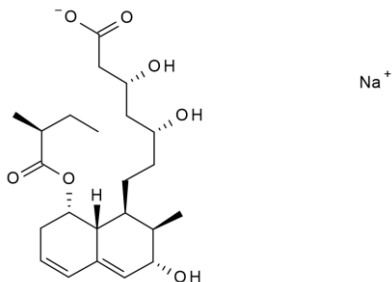
• 3a-iso-Pravastatin

• Pravastatin related compound A

[81093-43-8] C₂₃H₃₅NaO₇ 446.51

IH24094

2mg	\$360.00
5mg	\$750.00
10mg	\$900.00



Refs: Serizawa, N, et al, J. Antibiot, 36, 604 (1983); White, H.D, et al, N. Engl. J. Med, 343, 317 (2000)

(S)-3''-Hydroxy pravastatin sodium salt• (β R, δ R,1S,2S,6S,8S,8aR)-1,2,6,7,8,8a-Hexahydro- β , δ ,6-trihydroxy-8-[(2S,3S)-3-hydroxy-2-methyl-1-oxobutoxy]-2-methyl-1-naphthaleneheptanoic acid sodium

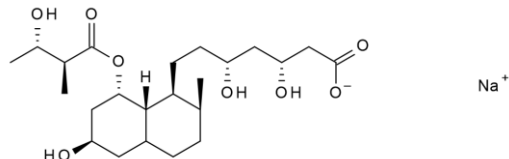
• (3R,5R)-3,5-Dihydroxy-7-[(1S,2S,6S,8S,8aR)-6-hydroxy-8-[(2S,3S)-3-hydroxy-2-methylbutanoyloxy]2-methyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl]heptanoic acid sodium

• Pravastatin impurity A

[722504-45-2] C₂₃H₃₅NaO₈ 462.51

IH24093

Price on Application



Refs: Everett, D. W, et al, Drug Metab. Dispos, 19, 740 (1991)

Pregabalin

1-Deoxy-4-O-b-D-galactopyranosyl-1-[(4R)-4-(2-methylpropyl)-2-oxo-1-pyrrolidinyl]-b-D-fructofuranose

• Pregabalin impurity

• PD 312237

[501666-23-5] C₂₀H₃₅NO₁₁ 465.49

ID63812

Price on Application

**1-Deoxy-4-O-b-D-galactopyranosyl-1-[(4R)-4-(2-methylpropyl)-2-oxo-1-pyrrolidinyl]-b-D-fructopyranose**

• Pregabalin impurity

• PD 312236

[501666-24-6] C₂₀H₃₅NO₁₁ 465.49

ID63811

Price on Application

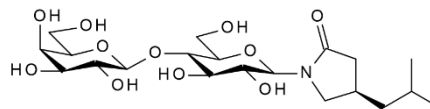
**(4R)-1-(4-O-b-D-Galactopyranosyl-b-D-glucopyranosyl)-4-(2-methylpropyl)-2-pyrrolidinone**

• Pregabalin amide lactose adduct

[501665-88-9] C₂₀H₃₅NO₁₁ 465.49

IG63810

1mg	\$300.00
2mg	\$520.00
5mg	\$1100.00

**4-Isobutyl-2-pyrrolidinone**

• Pregabalin lactam impurity

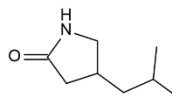
• 4-(2-Methylpropyl)-2-pyrrolidinone

• Pregabalin impurity IV

[61312-87-6] C₈H₁₅NO 141.21

II24661

100mg	\$60.00
250mg	\$75.00
500mg	\$100.00



Refs: Taylor, C.P, et al, Epilepsy Res, 14, 11 (1993); Field, M.J, et al, Pain, 80, 391 (1999)

Isopropyl 2-hydroxy-2-phenylacetate

- Isopropyl DL-mandelate
- Pregabalin impurity D

[4118-51-8] C₁₁H₁₄O₃ 194.23

II156828

250mg \$150.00
500mg \$200.00
1g \$290.00

**(S)-4-(2-Methylpropyl)-2-pyrrolidinone**

- (S)-4-(Isobutyl)pyrrolidin-2-one
- (S)-Pregabalin lactam
- Pregabalin impurity A

[181289-23-6] C₈H₁₅NO 141.21

IM156827

10mg \$100.00
25mg \$172.50
50mg \$275.00

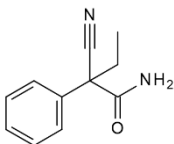
**Primidone****rac-2-Cyano-2-phenylbutanamide**

- 2-Cyano-2-phenyl-butyric acid amide
- Primidone impurity D

[80544-75-8] C₁₁H₁₂N₂O 188.23

IC27436

10mg \$100.00
25mg \$182.00
50mg \$330.50

**5-Ethyl-5-phenyl-2-(1-phenylpropyl)dihydropyrimidine-4,6(1H,5H)-dione**

- Primidone impurity F
- 5-Ethyl-dihydro-5-phenyl-2-(1-phenylpropyl)-4,6(1H,5H)-pyrimidinedione

[1189504-46-8] C₂₁H₂₄N₂O₂ 336.43

IE145635

5mg \$150.00
10mg \$250.00
25mg \$475.00

**2-Phenylbutyramide**

- Primidone impurity C

[90-26-6] C₁₀H₁₃NO 163.22

IP145636

Price on Application

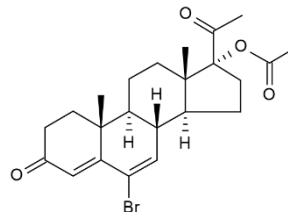
**Progesterone****6-Bromo-6-dehydro-17a-acetoxy progesterone**

- 17-(Acetyloxy)-6-bromopregna-4,6-diene-3,20-dione
- 6-Bromo-17-hydroxypregna-4,6-diene-3,20-dione acetate

[15251-04-4] C₂₃H₂₉BrO₄ 449.38

IB19164

10mg \$295.00
25mg \$625.00
50mg \$950.00



Refs: Liang, T., et al, Biol. Chem, 256, 7998 (1981); Bratoeff, E., et al, J. Steroid Biochem. Mol. Biol, 111, 275 (2008)

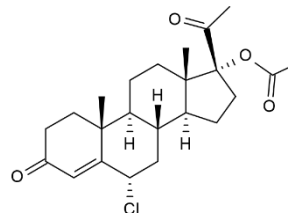
6alpha-Chloro-17-acetoxy progesterone

- (6α)-17-(Acetyloxy)-6-chloropregna-4-ene-3,20-dione
- 6α-Chloro-17-hydroxypregna-4-ene-3,20-dione acetate
- 6α-Chloro-17-hydroxyprogesterone acetate

[2477-73-8] C₂₃H₃₁ClO₄ 406.94

IC19976

10mg \$2700.00
25mg \$3750.00
50mg \$4850.00



Refs: Liang, T., et al, Biol. Chem, 256, 7998 (1981); Bratoeff, E., et al, J. Steroid Biochem. Mol. Biol, 111, 275 (2008)

Progesterone**6,7-Dehydro-17a-acetoxy progesterone**

- 17-(Acetyloxy)pregna-4,6-diene-3,20-dione
 - Melengestrol acetate
 - 17-Hydroxypregna-4,6-diene-3,20-dione acetate
- [425-51-4] C₂₃H₃₀O₄ 370.48

ID20958

25mg \$92.50
50mg \$150.00
100mg \$250.00



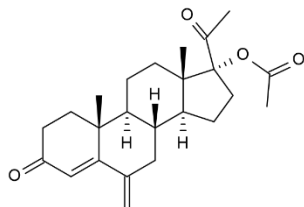
Refs: Liang, T, et al, Biol. Chem, 256, 7998 (1981); Bratoeff, E, et al, J. Steroid Biochem. Mol. Biol, 111, 275 (2008)

6-Methylene progesterone acetate

- 17-(Acetyloxy)-6-methylenepregn-4-ene-3,20-dione
 - 17-Hydroxy-6-methylenepregn-4-ene-3,20-dione acetate
 - 17-Hydroxy-6-methyleneprogesterone acetate
- [32634-95-0] C₂₄H₃₂O₄ 384.51

IM25820

10mg \$174.90
25mg \$318.00
50mg \$578.50



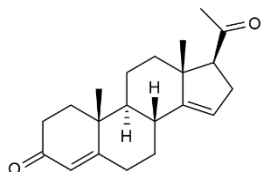
Refs: Krischenowski, D, et al, Steroids, 58, 278 (1993); Bratoeff, E, et al, Chem. Pharm. Bull, 51, 1132 (2003)

Pregna-4,14-diene-3,20-dione

- Progesterone impurity A
- [24377-08-0] C₂₁H₂₈O₂ 312.45

IP27147

1mg \$395.00
2mg \$550.00
5mg \$875.00



Refs: Wilks, J, et al, Steroids, 35, 697 (1980); Templeton, J, et al, J. Med. Chem, 30, 1502 (1987); Blackmore, P, et al, Mol. Pharmacol, 49, 727 (1996)

Propafenone hydrochloride**1-[2-(3-Chloro-2-hydroxypropoxy)phenyl]-3-phenyl-1-propanone**

- Depropylamino chloro propafenone
 - Propafenone impurity E
- [165279-79-8] C₁₈H₁₉ClO₃ 318.79

IC21067

10mg \$149.90
25mg \$272.50
50mg \$496.00



Refs: Hollmann, M, et al, Arzneim.-Forsch, 33, 763 (1983); Bryson, H. M, et al, Drugs, 45, 85 (1993)

1-[2-(2,3-Dihydroxypropoxy)phenyl]-3-phenyl-1-propanone

- Depropylamino hydroxy propafenone
 - Propafenone impurity D
- [91401-73-9] C₁₈H₂₀O₄ 300.35

ID21068

10mg \$149.90
25mg \$272.50
50mg \$496.00



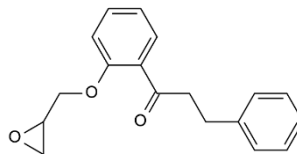
Refs: Hege, H.G, et al, Arzneim.-Forsch, 34, 972 (1984); Hollmann, M, et al, Arzneim.-Forsch, 33, 763 (1983); Bryson, H. M, et al, Drugs, 45, 85 (1993)

2'-(2,3-Epoxypropoxy)-3-phenylpropiophenone

- 1-[2-(Oxiranylmethoxy)phenyl]-3-phenyl-1-propanone
 - 2-[[2-(3-Phenylpropanoyl)phenoxy]methyl]oxirane
 - Propafenone impurity C
- [22525-95-7] C₁₈H₁₈O₃ 282.33

IE22764

100g \$65.00
250g \$125.00
500g \$200.00

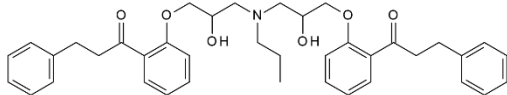


1-[2-[2-Hydroxy-3-[[2-hydroxy-3-[2-(3-phenylpropanoyl)phenoxy]propyl]-propylamino]propoxy]phenyl]-3-phenylpropan-1-one

• Propafenone dimer impurity
 • Propafenone hydrochloride impurity G
 [1346603-80-2] C₃₈H₄₅NO₆ 623.78

IP63820

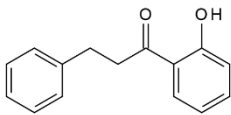
2mg \$200.00
 5mg \$300.00
 10mg \$550.00

**2'-Hydroxy-3-phenylpropiophenone**

• 1-(2-Hydroxy-phenyl)-3-phenyl-propan-1-one
 • Propafenone impurity A
 [3516-95-8] C₁₅H₁₄O₂ 226.27

IH24242

100g \$65.00
 250g \$100.00
 500g \$175.00

Refs: Hege, H.G. et al, *Arzneim.-Forsch.*, 34, 972 (1984)**1,1'-[Hydroxypropane-1,3-diy]bis(oxy-2,1-phenylene)]bis(3-phenylpropan-1-one)**

• Propafenone impurity F
 [1329643-40-4] C₃₃H₃₂O₅ 508.6

IH63819

Price on Application

**1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenyl-2-propen-1-one**

• Propafenone hydrochloride impurity B
 [88308-22-9] C₂₁H₂₅NO₃ 339.43

IH63816

Price on Application

**(R)-2-Phenylchroman-4-one**

• Propafenone hydrochloride impurity H
 • (2R)-2,3-Dihydro-2-phenyl-4H-1-benzopyran-4-one
 [27439-12-9] C₁₅H₁₂O₂ 224.25

IP63821

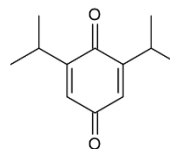
Price on Application

**Propofol****2,6-Diisopropyl-1,4-benzoquinone**

• 2,6-Bis(1-methylethyl)-2,5-cyclohexadiene-1,4-dione
 • 2,6-Diisopropyl-p-benzoquinone
 • Propofol impurity J
 [1988-11-0] C₁₂H₁₆O₂ 192.25

ID22142

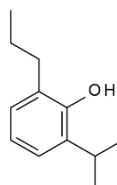
10mg \$139.80
 25mg \$254.50
 50mg \$462.00

Refs: McMahon, R, et al, *J. Med. Chem.*, 22, 1100 (1979); Mamada, K, et al, *Drug Metab. Dispos.*, 14, 509 (1986)**2-Isopropyl-6-propylphenol**

• 2-(1-Methylethyl)-6-propyl phenol
 • Propofol impurity O
 [74663-48-2] C₁₂H₁₈O 178.27

II24705

1mg \$50.00
 2mg \$80.00
 5mg \$125.00



Pyridoxine

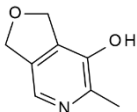
Pyridoxine

1,3-Dihydro-6-methylfuro[3,4-c]pyridin-7-ol

- Pyridoxine cyclic ether impurity
- [5196-20-3] C₈H₉NO₂ 151.16

ID27319

10mg \$139.80
25mg \$254.50
50mg \$462.00



Refs: Geiger, R.E.

Quetiapine

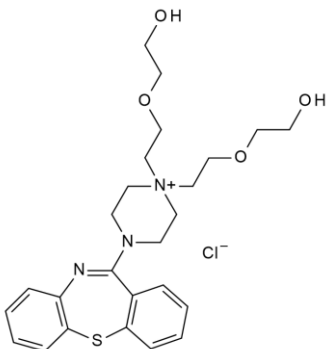
N,N-Bis[2-(2-hydroxyethoxy)ethyl] quetiapine chloride

- 4-Dibenzo[b,f][1,4]thiazepin-11-yl-1,1-Bis[2-(2-hydroxyethoxy)ethyl]piperazine; quetiapine-N-Di(ethoxyethanol) chloride
- Quetiapine impurity Q

C₂₅H₃₄ClN₃O₄S 508.07

IB76470

Price on Application



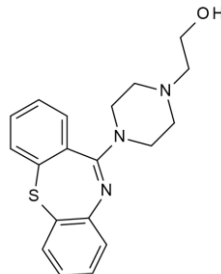
4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazineethanol hydrochloride

- Quetiapine hydroxy impurity dihydrochloride salt

[329218-14-6] C₁₉H₂₃Cl₂N₃OS 412.38

ID27364

1mg \$149.90
2mg \$272.60
5mg \$495.50



Refs: Warawa, E, et al, J. Med. Chem, 44, 372 (2001); Grimm, S, et al, Brit. J. Clin. Pharmacol, 61, 58 (2006)

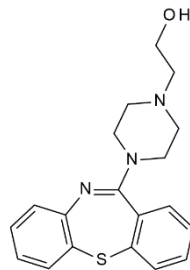
2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-piperazin-1-yl)-ethanol

- 11-(4-(2-Hydroxyethyl)-1-piperazinyldibenzo[b,f][1,4]thiazepine
- Quetiapine impurity I
- Quetiapine hydroxy impurity

[329216-67-3] C₁₉H₂₁N₃OS 339.46

ID57870

250mg \$70.00
500mg \$115.00
1g \$210.00



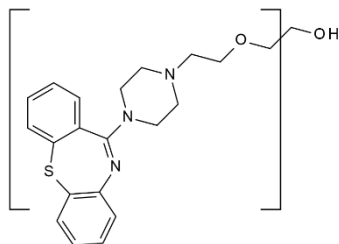
2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol hemifumarate

- 11-[4-[2-(2-Hydroxyethoxy)ethyl]-1-piperazinyl]dibenzo[b,f][1,4]thiazepine hemifumarate
- Quetiapine hemifumarate

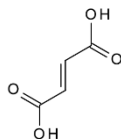
[111974-72-2] C₂₁H₂₅N₃O₂S·1/2(C₄H₄O₄) 441.54

ID57889

5g	\$65.00
10g	\$110.00
25g	\$225.00



2

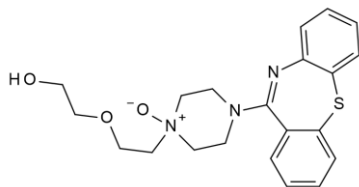
**2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol N-oxide**

- Quetiapine N-oxide
- Quetiapine impurity H

[1076199-40-0] C₂₁H₂₅N₃O₃S 399.51

ID27365

1mg	\$150.00
2mg	\$270.00
5mg	\$535.00

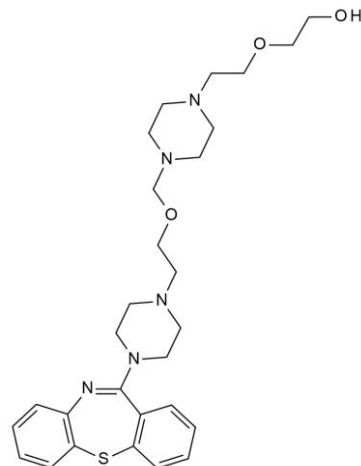
**1-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethyl-2-(1-piperazinyl)ethoxyethanol**

- Quetiapine impurity N

[1800291-86-4] C₂₈H₄₁N₅O₃S 539.73

ID57891

5mg	\$90.00
10mg	\$150.00
25mg	\$325.00

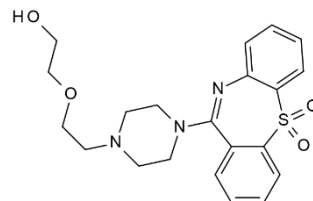
**2-[2-[4-(5,5-Dioxidodibenzo[b,f][1,4]thiazepin-11-yl)-1-piperazinyl]ethoxy]ethanol**

- Quetiapine sulfone

[329216-65-1] C₂₁H₂₅N₃O₄S 415.51

ID27366

Price on Application



Refs: Warawa, E.J. et al, J. Med. Chem, 44, 372 (2001)

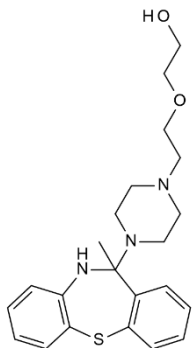
Quetiapine**11-[4-[2-(2-Hydroxyethoxy)ethyl]piperazin-1-yl]-10,11-dihydrodibenzo[b,f][1,4]thiazepin-11-ol**

• Quetol

[1241800-24-7] C₂₁H₂₆N₃O₃S 400.52

IH57892

5mg	\$50.00
10mg	\$80.00
25mg	\$150.00

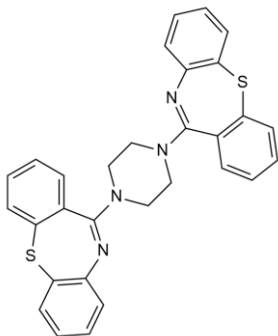
**11,11'-(1,4-Piperazinediyl)bis-dibenzo[b,f][1,4]thiazepine**

• Quetiapine dimer impurity

[945668-94-0] C₃₀H₂₄N₄S₂ 504.67

IP27362

1mg	\$150.00
2mg	\$50.00
5mg	\$475.00



Refs: Xu, H, et al, J. Pharm. Biomed. Anal, 47, 658 (2008); Stolarczyk, E, et al, Pharm. Develop. Technol, 14, 27 (2009)

11-Piperazin-1-yl-dibenzo[b,f][1,4]thiazepine

• Norquetiapine

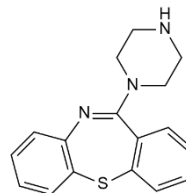
• N-Desalkylquetiapine

• 2-(Piperazin-1-yl)dithiazepin

[5747-48-8] C₁₇H₁₇N₃S 295.4

IP57871

250mg	\$150.00
500mg	\$225.00
1g	\$325.00

**Rabeprazole****2-[(4-Chloro-3-methyl-2-pyridinyl)methylthio]-1H-benzimidazole**

• 4-Desmethoxypropoxyl-4-chloro rabeprazole sulfide

• Rabeprazole impurity D Sulfide

[103312-62-5] C₁₄H₁₂ClN₃S 289.78

IC21227

2mg	\$139.90
5mg	\$254.40
10mg	\$462.50



Refs: Pinglii, R.R, et al, Pharmazie, 60, 814 (2005)

2-[(4-Methoxy-3-methyl-2-pyridinyl)methylsulfanyl]-1H-benzimidazole

• 4-Desmethoxypropoxyl-4-methoxy rabeprazole

• Rabeprazole 4-methoxy impurity

• Rabeprazole impurity E

[102804-77-3] C₁₅H₁₅N₃O₂S 301.36

IM21228

1mg	\$363.40
2mg	\$660.70
5mg	\$1201.20



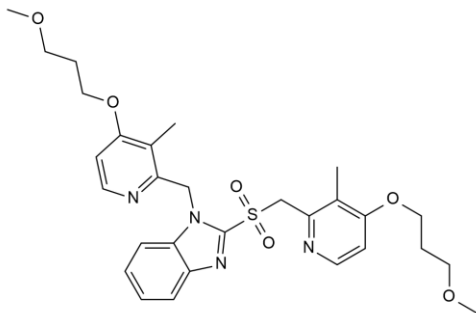
Refs: Reddy, P, et al, Pharmazie, 60, 814 (2005); Shao, F, et al, Biopharm. Drug Dispos, 28, 177 (2007)

1-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole

• N-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl] rabeprazole sulfone
 • Rabeprazole impurity G Sulfone
 [1246818-79-0] C₂₉H₃₆N₄O₆S 568.69

IM25352

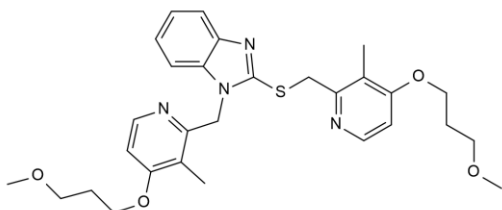
1mg \$139.90
 2mg \$254.40
 5mg \$462.50

**1-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl]methyl]thio]-1H-benzimidazole**

• Rabeprazole N-Alkyl Sulfide
 • N-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl] rabeprazole sulfide
 [1114543-47-3] C₂₉H₃₆N₄O₄S 536.69

IM25351

25mg \$125.00
 50mg \$227.00
 100mg \$413.00



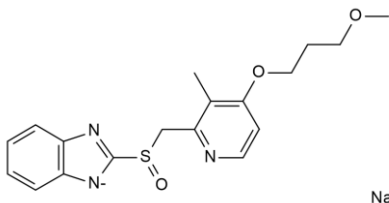
Refs: Fujisaki, H, et al, Biochem. Pharmacol, 42, 321

2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole sodium salt

• Rabeprazole sodium
 [117976-90-6] C₁₈H₂₀N₃O₃SNa 381.43

IM57865

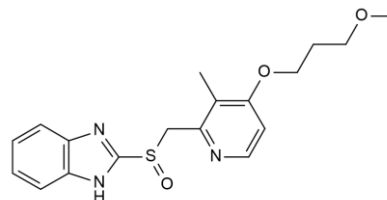
1g \$60.00
 2g \$100.00
 5g \$200.00

**2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole**

• Rabeprazole
 [117976-89-3] C₁₈H₂₁F₂N₃O₃S 397.44

IM57864

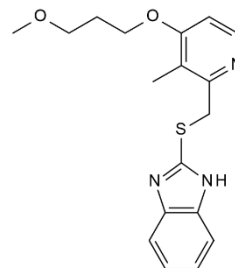
2g \$60.00
 5g \$125.00
 10g \$200.00

**2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]thio]-1H-benzimidazole**

• Rabeprazole Sulfide
 • 2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]-methyl]-thio]-1H-benzimidazole
 • 2-[[[4-(3-Methoxy Propoxy)-3-methyl pyridine-2-yl]methyl]thio]-1H-benzimidazole
 [117977-21-6] C₁₈H₂₁N₃O₂S 343.44

IM57863

5g \$60.00
 10g \$90.00
 25g \$150.00

**2-[[[3-Methyl-4-(methylthio)-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole**

• 4-Desmethoxypropoxyl-4-methylthio rabeprazole
 [99487-86-2] C₁₅H₁₅N₃OS₂ 317.43

IM21229

1mg \$318.00
 2mg \$578.10
 5mg \$1051.10



Refs: Reddy, P, et al, Pharmazie, 60, 814 (2005); Shao, F, et al, Biopharm. Drug Dispos, 28, 177 (2007)

Raloxifene

Raloxifene

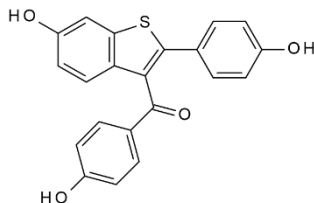
[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl](4-hydroxyphenyl)-methanone

• Raloxifene impurity D

[177744-96-6] C₂₁H₁₄O₄S 362.4

IH44805

10mg	\$260.00
25mg	\$500.00
50mg	\$900.00

**[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1-oxido-1-piperidinyl)ethoxy]phenyl]methanone**

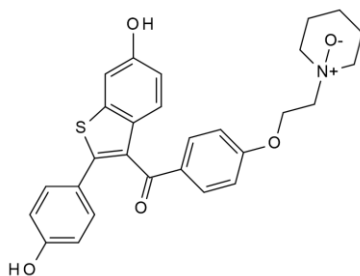
• Raloxifene impurity C

• Raloxifene N-oxide

[195454-31-0] C₂₈H₂₇NO₅S 489.58

IH27669

2mg	\$46.00
5mg	\$100.00
10mg	\$280.00



Refs: Hartauer, K, et al, Pharm. Dev. Technol, 5, 303 (2000)

[6-Hydroxy-2-(4-hydroxyphenyl)-benzo[b]thien-7-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]methanone

• 3-Des[4-(2-Piperidinyl)ethoxy]benzoyl-7-[4-(2-Piperidinyl)ethoxy]benzoyl raloxifene

• Raloxifene impurity C

[1391054-73-1] C₂₈H₂₇NO₄S 473.58

IH45348

1mg	\$150.00
2mg	\$278.00
5mg	\$625.00

**[6-Hydroxy-2-(4-hydroxyphenyl)-7-[4-(2-piperidin-1-yl-ethoxy)benzoyl]-benzo[b]thien-3-yl]-[4-[2-(1-piperidinyl)ethoxy]phenyl]methanone**

• Raloxifene impurity I

• 7-[4-(2-Piperidinyl)ethoxy]benzoyl raloxifene

[1159977-58-8] C₄₂H₄₄N₂O₆S 704.87

IH45164

1mg	\$240.00
2mg	\$450.00
5mg	\$925.00



Ranitidine

[[5-[[[(2-Aminoethyl)thio]methyl]furan-2-yl]methyl]dimethylamine, hemifumarate

• Ranitidine related compound A

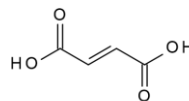
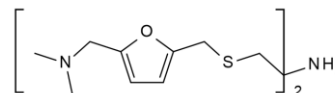
• Ranitidine impurity B

• Ranitidine diamine hemifumarate salt

[256948-32-0] C₁₀H₁₈N₂OS·2C₄H₄O₄ 446.47

IA57851

Price on Application

**[[5-[[[(2-Aminoethyl)thio]methyl]furan-2-yl]methyl]dimethylamine**

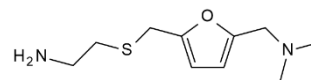
• 2-[[[5-[(Dimethylamino)-methyl]furan-2-yl]methyl]sulphonyl]-ethanamine

• Ranitidine impurity B

[66356-53-4] C₁₀H₁₈N₂OS 214.33

IA57830

5g	\$50.00
10g	\$80.00
25g	\$100.00

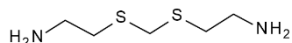


Bis-[[2-aminoethyl]thio]methane dihydrochloride

• 2,2'-[Methylenebis(thio)]bisethanamine dihydrochloride

[22965-82-8] C₅H₁₄N₂S₂·2HCl 239.23

IB57860



2HCl

1g	\$65.00
2g	\$100.00
5g	\$225.00

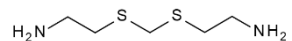
**Bis-[[2-aminoethyl]thio]methane**

• 3,5-Dithia-1,7-diaminoheptane

• 2,2'-[Methylenebis(thio)]bisethanamine

[22907-27-3] C₅H₁₄N₂S₂ 166.31

IB57858

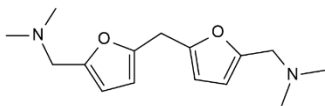


500mg	\$50.00
1g	\$90.00
2g	\$130.00

**Bis-[[2-[[[5-[[dimethylamino)methyl]furan-2-yl]methyl]thio]ethyl]methane**C₁₅H₂₂N₂O₂ 262.35

IB57835

Price on Application

**Bis[N-2-[[[5-[[dimethylamino)methyl]furan-2-yl]methyl]thio]ethyl]-N'-methyl-2,2-diamino-1-nitroethenyl]methane**

• Ranitidine impurity I

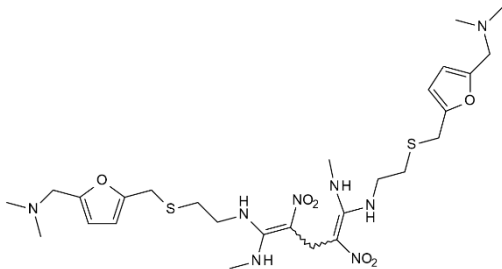
• 2,2'-Methylene bis[ranitidine]

• 2,2'-Methylene-bis(N-2-[[[5-[[dimethylamino)methyl]furan-2-yl]methyl]thio]ethyl)-N'-methyl-2-nitro-1,1'-ethenediamine)

[207592-21-0] C₂₇H₄₄N₈O₆S₂ 640.82

IB57852

5mg	\$65.00
10mg	\$100.00
25mg	\$150.00

**N,N'-Bis[2-[[[5-[[dimethylamino)methyl]-2-furyl]methyl]thio]ethyl]-2-nitroethene-1,1-diamine**

• N,N'-Bis[2-[[[5-[[dimethylamino)methyl]furan-2-yl]methyl]sulphonyl]ethyl]-2-nitroethene-1,1-diamine

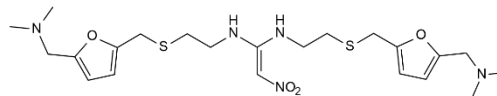
• Ranitidine BP impurity A

• Ranitidine related compound B

[72126-78-4] C₂₂H₃₅N₅O₄S₂ 497.68

IB57834

5mg	\$50.00
10mg	\$80.00
25mg	\$150.00

**Bis-[[2-[[1-methylamino-2-nitroethenamine]ethyl]thio]methane**

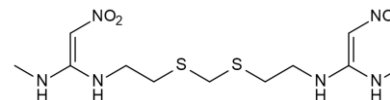
• Ranitidine impurity J

• 1,1'-N-[[Methylenebis(sulphanediethylene)]bis(N-methyl-2-nitroethene-1,1-diamine)

[1331637-48-9] C₁₁H₂₂N₆O₄S₂ 366.46

IB57853

2mg	\$50.00
5mg	\$100.00
10mg	\$150.00

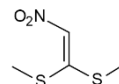
**1,1-Bis-(methylthio)-2-nitroethene**

• Nitroketene dimethyl mercaptal

[13623-94-4] C₄H₇NO₂S₂ 165.24

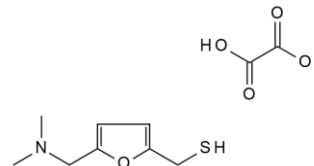
IB57836

5g	\$43.50
10g	\$69.50
25g	\$111.50

**[5-[[Dimethylamino)methyl]furan-2-yl]methanethiol, oxalate**[84088-12-0] C₈H₁₃NOS·C₂H₂O₄ 261.3

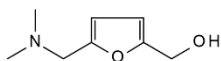
ID57849

Price on Application



Ranitidine**[5-[[[5-[(Dimethylamino)methyl]furan-2-yl]methanol**[15433-79-1] C₈H₁₃NO₂ 155.19

ID57850

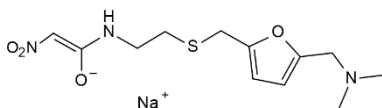
25mg \$50.00
50mg \$90.00
100mg \$150.00**N-[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]ethyl]-2-nitroacetamide sodium salt**

- N-[2-[[[5-[(Dimethylamino)methyl]furan-2-yl]-methyl]sulphonyl]ethyl]-2-nitroacetamide sodium salt

- Demethylamino ranitidine acetamide sodium

[112251-56-6] C₁₂H₁₈N₃O₄Na 323.34

ID57855

5mg \$80.00
10mg \$130.00
25mg \$250.00**N-[2-[[[5-(Dimethylamino)methyl]-2-furanyl]thio]ethyl]-N'-methyl-2-nitro-2,2-ethendiamine, S-oxide**

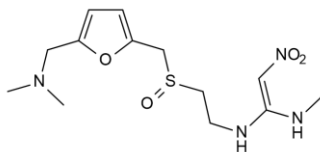
- N-[2-[[[5-[(Dimethylamino)methyl]furan-2-yl]methyl]sulphonyl]ethyl]-N'-methyl-2-nitroethene-1,1-diamine

- Ranitidine Related Compound C

- Ranitidine Sulphoxide

[73851-70-4] C₁₃H₂₂N₄O₃ 330.4

ID57862

10mg \$50.00
25mg \$75.00
50mg \$125.00**N,N'-Dimethyl-2-nitro-1,1-ethendiamine**

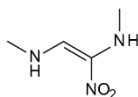
- Nizatidine impurity A

- 1,1-Bis(methylamino)-2-nitroethene

[54252-45-8] C₄H₈N₂O₂ 131.13

ID57832

Price on Application

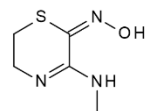
**3-(Methylamino)-5,6-dihydro-2H-1,4-thiazin-2-one oxime hydrochloride**

- 5,6-Dihydro-3-(methylamino)-2H-1,4-thiazin-2-one oxime hydrochloride

- Ranitidine impurity G

[112233-23-5] C₅H₁₀ClN₃OS 195.67

IM57861

50mg \$50.00
100mg \$80.00
250mg \$150.00

ClH

**N-Methyl-1-methylthio-2-nitroethylemeamine**

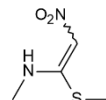
- (EZ)-N-Methyl-1-(methylsulphonyl)-2-nitroethen-1-amine

- Nizatidine impurity B

- Ranitidine Hydrochloride impurity K

[61832-41-5] C₄H₈N₂O₂S 148.18

IM57854

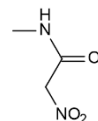
100g \$65.00
250g \$130.00
500g \$200.00**N-Methylnitroacetamide**

- N-Methyl-2-nitroacetamide

- Ranitidine Hydrochloride impurity H

[72078-82-1] C₃H₆N₂O₃ 118.09

IM57856

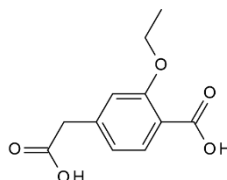
250mg \$85.00
500mg \$145.00
1g \$260.00**Repaglinide****(4-Carboxy-3-ethoxy)phenyl acetic acid**

- 4-Carboxy-3-ethoxybenzeneacetic acid

- Repaglinide impurity A

[220438-80-2] C₁₁H₁₂O₅ 224.21

IC19752

2mg \$110.00
5mg \$195.00
10mg \$370.00

Refs: Owens, D, et al, Eur. J. Clin. Invest, 29, 30 (1999)

2-Ethoxy-4-[2-[[[(1R)-3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ethyl ester

- (R)-Repaglinide ethyl ester
- Repaglinide impurity E

[147770-08-9] C₂₉H₄₀N₂O₄ 480.64

IE32567

Price on Application

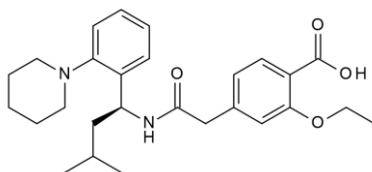
**2-Ethoxy-4-[2-[[[(1R)-3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid**

- (R)-(-)-Repaglinide
- Repaglinide impurity E

[147852-26-4] C₂₇H₃₈N₂O₄ 452.59

IE27700

1mg \$272.60
2mg \$495.50
5mg \$900.90



Refs: Rufer, C, et al, J. Med. Chem, 22, 750 (1979)

**2-Ethoxy-4-[2-oxo-2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl]amino]ethyl]benzoic acid**

- 2-Desisopropyl-2-phenyl repaglinide
- Repaglinide related compound C

[107362-12-9] C₃₀H₃₄N₂O₄ 486.6

IE21210

Price on Application



Refs: Frell, W, et al, J. Med. Chem, 41, 5219 (1998)

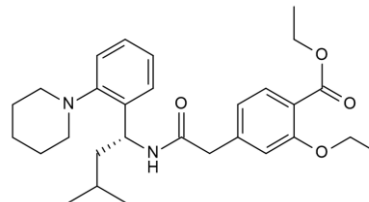
(S)-Ethyl 2-ethoxy-4-[[[N-[1-(2-piperidinophenyl)-3-methyl-1-butyl]amino]carbonyl]methyl]benzoate

- 2-Ethoxy-4-[2-[[[(1S)-3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ethyl ester
- (S)-Repaglinide ethyl ester

[147770-06-7] C₂₉H₄₀N₂O₄ 480.64

IE27701

5mg \$50.00
10mg \$80.00
25mg \$175.00



Refs: Grell, W, et al, J. Med. Chem, 41, 5219 (1998)

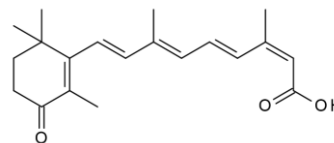
**Retinoic acid****4-Keto 13-cis-retinoic acid**

- 3,7-Dimethyl-9-(4-keto-2,6,6-trimethyl-1-cyclohexen-1-yl)-2Z,4E,6E,8E-nonatetraenoic acid
- 4-Oxoisotretinoin
- Isotretinoin impurity H

[71748-58-8] C₂₀H₂₆O₃ 314.42

IK24759

1mg \$140.00
2mg \$240.00
5mg \$520.00



Refs: Andreola, F, et al, J. Biol. Chem, 279, 3434

**Ribavirin****1-b-D-Ribofuranosyl-1,2,4-triazole-3-carboxylic acid**

- Ribavirin related compound A

[39925-19-4] C₈H₁₁N₃O₅ 229.19

IR138822

5mg \$325.00
10mg \$550.00
25mg \$875.00



Riluzole

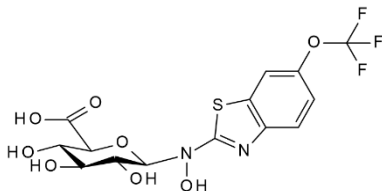
Riluzole

N-Hydroxy riluzole N-b-D-glucuronide

C₁₄H₁₃F₃N₂O₈S 426.32

IH59729

10mg \$7500.00

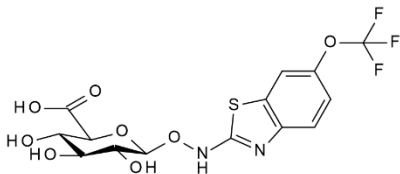


N-Hydroxy riluzole O-b-D-glucuronide

• 1-O-[[6-(Trifluoromethoxy)-2-benzothiazolyl]amino]-b-D-glucopyranuronic acid
[1394929-56-6] C₁₄H₁₃F₃N₂O₈S 426.32

IH59730

10mg \$1995.00

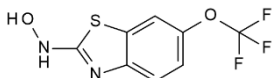


N-Hydroxy-6-(trifluoromethoxy)-2-benzothiazolamine

• NHydroxyriluzole
• 2-Hydroxyamino-6-(trifluoromethoxy)benzothiazole
[179070-90-7] C₈H₇F₃N₂O₂S 250.2

IH59728

10mg \$3000.00
25mg \$4500.00
50mg \$7800.00

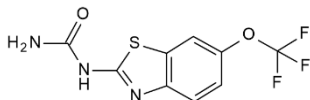


N-[6-(Trifluoromethoxy)-2-benzothiazolyl]urea

• Riluzolamide
[1456696-94-8] C₉H₆F₃N₃O₂S 277.22

IT59731

1g \$500.00
2g \$750.00
5g \$1500.00



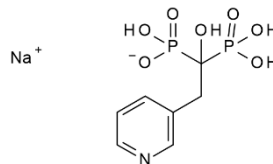
Risedronate sodium

Monosodium 1-hydroxy-2-(3-pyridinyl)ethylidene]bisphosphonate salt hemipentahydrate

• Risedronic acid sodium salt
[115436-72-1] C₇H₁₀NNaO₇P₂·2.5H₂O 350.13

IM57822

5g \$50.00
10g \$80.00
25g \$130.00



[2-(3-Pyridinyl)ethylidene]bisphosphonic acid

• Deoxy risedronic acid
• P,P'-[2-(3-Pyridinyl)ethylidene]bisphosphonic acid
• USP Risedronate related compound C
[75755-10-1] C₇H₁₁NO₆P₂ 267.11

IP21051

5mg \$150.00
10mg \$272.60
25mg \$496.00



Refs: Kashemirov, B. et al, Bioconj. Chem, 19, 2308 (2008); Sietsema, W.K. et al, Drug Exp. Clin. Res, 15, 389 (1989); Szabo, C.M. et al, J. Med. Chem, 45, 2894 (2002)

Risperidone

3-[2-[4-(1,2-Benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

• Desfluoro risperidone
[106266-09-5] C₂₃H₂₈N₄O₂ 392.49

IB21194

25mg \$315.00
50mg \$472.50
100mg \$630.00

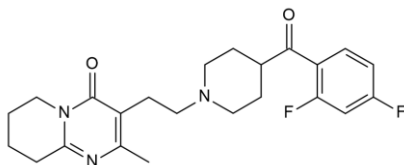


3-[2-[4-(2,4-Difluorobenzoyl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-pyrido[1,2-a]pyrimidin-4-one

• 2,4-Difluorobenzoyl risperidone impurity
[158697-67-7] C₂₃H₂₇F₂N₃O₂ 415.48

ID21865

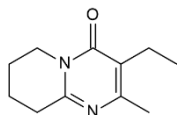
2mg \$139.90
5mg \$254.40
10mg \$462.50

**3-Ethyl-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one**

• 3-Ethyl-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one
• Risperidone ethyl impurity
[70381-58-7] C₁₁H₁₆N₂O 192.26

IE23102

1mg \$139.90
2mg \$254.40
5mg \$462.50



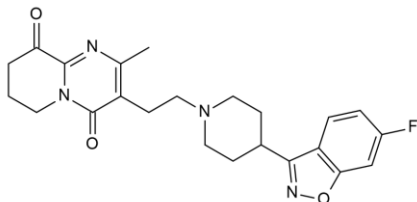
Refs: Knoll, J, et al, *Arzneim.-Forsch.*, 21, 717 (1971)

3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-7,8-dihydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

• 9-Keto risperidone
[1189516-65-1] C₂₃H₂₅FN₄O₃ 424.47

IF24786

1mg \$300.00
2mg \$537.50
5mg \$1075.00



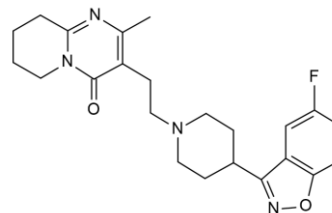
Refs: Fang, et al, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 359, 147 (1999)

3-[2-[4-(5-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

• 5-Fluoro risperidone
[1199589-74-6] C₂₃H₂₇FN₄O₂ 410.48

IF23360

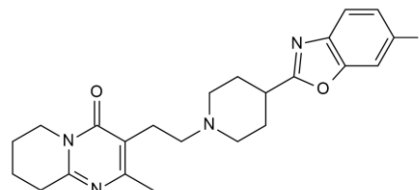
5mg \$140.00
10mg \$250.00
25mg \$550.00

**3-[2-[4-(6-Fluoro-2-benzoxazolyl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one**

• Risperidone impurity
[1005191-81-0] C₂₃H₂₇FN₄O₂ 410.48

IF23377

2mg \$139.90
5mg \$254.40
10mg \$462.50



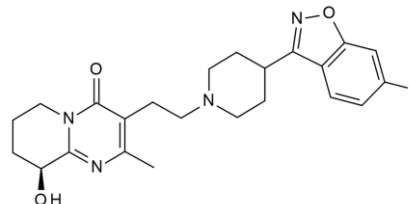
Refs: Bharathi, C, et al, *J. Pharm. Biomed. Anal.*, 46, 165 (2008)

(-)-9-Hydroxyrisperidone

• (9S)-3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-9-hydroxy-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one
• (S)-9-Paliperidone
[147663-01-2] C₂₃H₂₇FN₄O₃ 426.48

IH24118

1mg \$325.00
2mg \$590.00
5mg \$1375.00



Refs: Tiberghien, F, et al, *Anticancer Drugs*, 7, 568

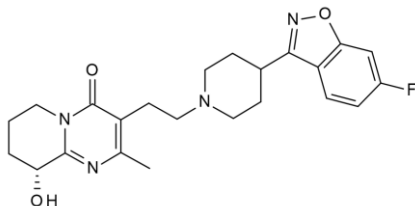
Risperidone**(+)-9-Hydroxyrisperidone**

- (9R)-3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-9-hydroxy-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one
- 9-(R)-Paliperidone

[130049-85-3] C₂₃H₂₇FN₄O₃ 426.48

IH24117

1mg \$450.00
2mg \$790.00
5mg \$1689.20



Refs: Tiberghien, F, et al, Anticancer Drugs, 7, 568

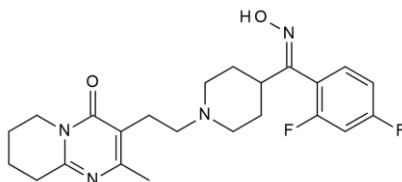
Risperidone E-oxime impurity

- 3-[2-[4-[(E)-(2,4-Difluorophenyl)(hydroxymino)methyl]-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

[691007-09-7] C₂₃H₂₈F₂N₄O₂ 430.49

IR27738

1mg \$149.90
2mg \$272.60
5mg \$495.50



Refs: Jannssen, P.A.J, et al, J. Pharmacol. Exp. Ther, 244, 685 (1988); Gelders, Y.G, et al, Pharmacopsychiatry, 23, 206 (1990); Green, B, Curr. Med. Res. Opin, 16, 57 (2000)

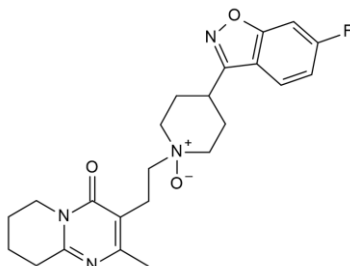
Risperidone N-oxide

- 3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-oxido-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

[832747-55-4] C₂₃H₂₇FN₄O₃ 426.48

IR27739

5mg \$124.90
10mg \$227.20
25mg \$475.00



Refs: El-Sherif, Z, et al, J. Pharm. Biomed. Anal, 36, 975 (2005); Sattanathan, P, et al, J. Pharm. Biomed. Anal, 40, 598 (2006)

6,7,8,9-Tetrahydro-3-[2-[4-(6-hydroxy-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

- 6-Desfluoro-6-hydroxy risperidone

[106266-11-9] C₂₃H₂₈N₄O₃ 408.49

IT21195

1mg \$578.10
2mg \$1051.10
5mg \$1911.00



Refs: Novick, W.J, et al, J. Med. Chem, 25, 36 (1982)

6,7,8,9-Tetrahydro-3-[2-[4-(6-methoxy-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

- 6-Desfluoro-6-methoxy risperidone

[1246817-15-1] C₂₄H₃₀N₄O₃ 422.52

IT81401

Price on Application

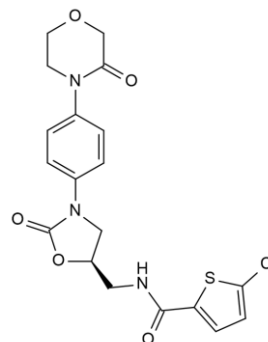
**Rivaroxaban****5-Chloro-N-[[[(5R)-2-oxo-3-[4-(3-oxo-4-morpholinyl)phenyl]-5-oxazolidinyl]methyl]-2-thiophenecarboxamide**

- 5-R-Rivaroxaban

[865479-71-6] C₁₉H₁₈ClN₃O₅S 435.88

IC71688

25mg \$125.00
50mg \$200.00
100mg \$300.00

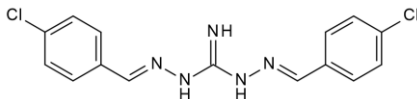


Robenidine**1,3-Bis[(p-chlorobenzylidene)amino]guanidine hydrochloride**

- Robenidine hydrochloride
 - 1,3-Bis[(4-chlorobenzylidene)amino]guanidine monohydrochloride
- [25875-50-7] C₁₅H₁₄Cl₃N₅ 370.66

IB57827

5g \$50.00
10g \$70.00
25g \$100.00



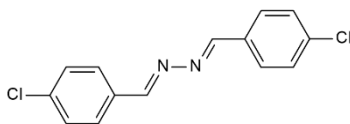
HCl

**N,N'-Bis(4-chlorobenzylidene)hydrazine**

- 4-Chlorobenzaldehyde azine
- [3510-48-3] C₁₄H₁₀Cl₂N₂ 277.15

IB57824

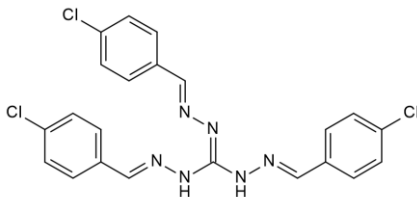
250mg \$60.00
500mg \$95.00
1g \$170.00

**N,N',N''-Tris(4-chlorobenzylideneimino)guanidine hydrochloride**

- 1,2,3-Tris[(p-chlorobenzylidene)amino]guanidine hydrochloride
- [36084-23-8][33872-61-6] C₂₂H₁₇Cl₃N₆·HCl 508.23

IT57828

100mg \$60.00
250mg \$100.00
500mg \$150.00



HCl

**Rosuvastatin****(3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl[(2-hydroxy-2-methylpropyl)sulfonyl]amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic acid sodium salt**

- Rosuvastatin impurity A
 - S-Desmethyl-S-(2-hydroxy-2-methylpropyl) rosuvastatin sodium
- [1714147-50-8] C₂₅H₃₃FN₃NaO₇S 561.6

IF156830

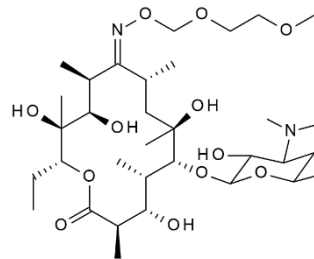
1mg \$80.00
2mg \$125.00
5mg \$200.00

**Roxithromycin****Decladinose roxithromycin**

- Roxithromycin impurity B
 - (9E)-3-O-De(2,6-dideoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopyranosyl)erythromycin9-[O-[(2-methoxyethoxy)methyl]oxime]
- [214902-82-6] C₃₃H₆₂N₂O₁₂ 678.85

ID106420

Price on Application



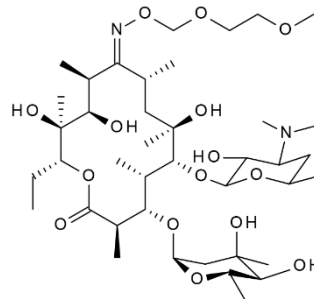
R

**Roxithromycin impurity E**

- (9E)-9-[O-[(2-Methoxyethoxy)methyl]oxime]-3'-O-demethyl-erythromycin
- [1460313-66-9] C₄₀H₇₄N₂O₁₅ 823.02

IR106453

Price on Application

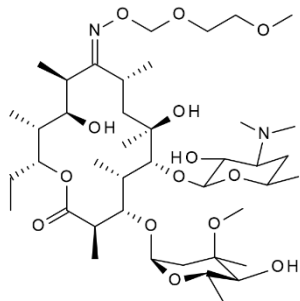


Roxithromyci**Roxithromycin impurity H**

• (9E)-12-Deoxy-9-[O-[(2-methoxyethoxy)methyl]oxime]erythromycin
 [425365-65-7] C₄₁H₇₆N₂O₁₄ 821.05

IR106454

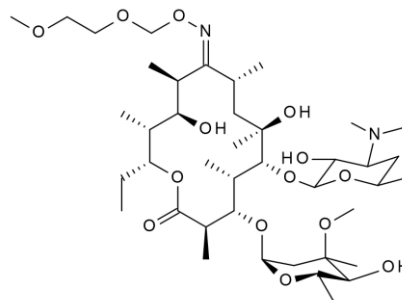
Price on Application

**(9Z)-Roxithromycin**

• (9Z)-9-[O-[(2-Methoxyethoxy)methyl]oxime] erythromycin
 • Roxithromycin impurity D
 [134931-00-3] C₄₁H₇₆N₂O₁₅ 837.05

IR106421

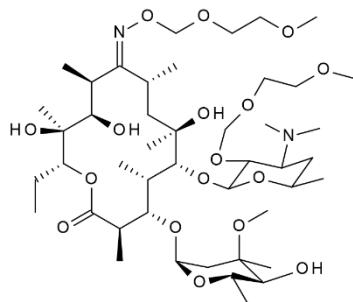
Price on Application

**Roxithromycin impurity I**

• 2'-O-[(2-Methoxyethoxy)methyl] roxithromycin
 • 9-[O-[(2-Methoxyethoxy)methyl]oxime]-2'-O-[(2-methoxyethoxy)methyl]-(9E)-Erythromycin
 [425365-66-8] C₄₅H₈₄N₂O₁₇ 925.15

IR106455

1mg \$170.00
 2mg \$290.00
 5mg \$625.00

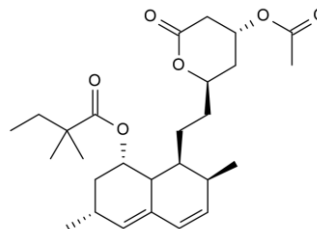
**Simvastatin****4'-Acetyl simvastatin**

• 2,2-Dimethylbutanoic acid (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-(acetyloxy)tetrahydro-6-oxo-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl ester

• Simvastatin acetate
 [145576-25-6] C₂₇H₄₀O₆ 460.6

IA17040

5mg \$225.00
 10mg \$390.00
 25mg \$750.00



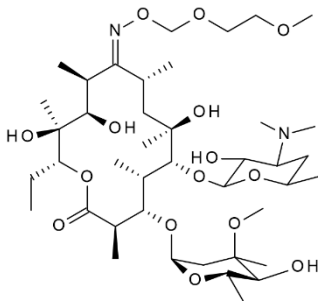
Refs: Shioi, A, et al, J. Phys. Chem, 99, 4750

Roxithromycin impurity K

C₄₁H₇₆N₂O₁₆ 853.05

IR106456

Price on Application

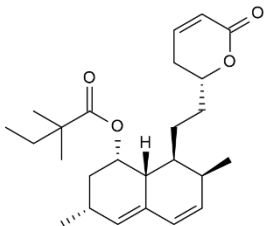


2,2-Dimethylbutanoic acid (1S,3R,7S,8S,8aR)-8-[2-[(2R)-3,6-dihydro-6-oxo-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl ester

• Dehydro simvastatin

[210980-68-0] C₂₅H₃₈O₄ 400.55

ID20948

10mg \$250.00
25mg \$450.00
50mg \$750.00

Refs: Carlucci, G, et al, J. Pharm. Biomed. Anal, 10, 693

(2E,5R)-7-[(1S,2S,6R,8S,8aR)-8-(2,2-Dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-2,6-dimethyl-1-naphthalenyl]-5-hydroxy-2-heptenoic acid sodium salt

- Simvastatin anhydro acid sodium salt
- 2,3-Dehydro simvastatin acid sodium salt

[393825-04-2] C₂₅H₃₇NaO₅ 440.55

ID20949

2mg \$149.90
5mg \$272.60
10mg \$495.50**3-Methylene simvastatin impurity**

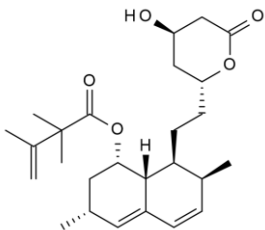
- Simvastatin impurity G

- [1S-[1α,3α,7β,8β(2S*,4S*),8aβ]-2,2,3-Trimethyl-3-butenic acid 1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester

[79902-62-8] C₂₈H₃₈O₅ 430.58

IM44843

Price on Application

**Simvastatin acid**

- Simvastatin impurity A

- 1-Naphthaleneheptanoic acid, 8-(2,2-dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-β,δ-dihydroxy-2,6-dimethyl-, (βR,δR,1S,2S,6R,8S,8aR)-

- Tenivastatin

[121009-77-6] C₂₅H₄₀O₆ 436.58

IS63828

Price on Application

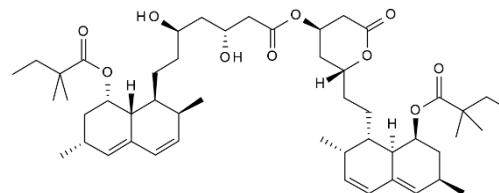
**Simvastatin dimer impurity**

- Simvastatin impurity D

- 1-Naphthaleneheptanoic acid, 8-(2,2-dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-β,δ-dihydroxy-2,6-dimethyl-, (2R,4R)-2-[2-[(1S,2S,6R,8S,8aR)-8-(2,2-dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-2,6-dimethyl-1-naphthalenyl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester, (βR,δR,1S,2S,6R,8S,8aR)-

[476305-24-5] C₅₀H₇₆O₁₀ 837.13

IS27834

1mg \$400.00
2mg \$700.00
5mg \$1500.00

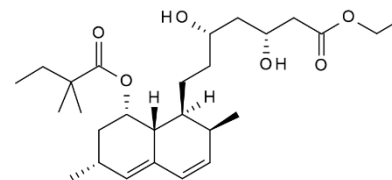
Refs: Wang, L, et al, J. Pharm. Biomed. Anal, 21, 1243 (2000); Srinivasu, M, et al, J. Pharm. Biomed. Anal, 29, 715 (2002); Vuletic, M, et al, J. Pharm. Biomed. Anal, 37, 715

Simvastatin hydroxy acid ethyl ester

- (b-R,δR,1S,2S,6R,8S,8aR)-8-(2,2-Dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-β,δ-dihydroxy-2,6-dimethyl-1-naphthaleneheptanoic acid ethyl ester

[864357-87-9] C₂₇H₄₄O₆ 464.63

IS27836

2mg \$150.00
5mg \$275.00
10mg \$500.00

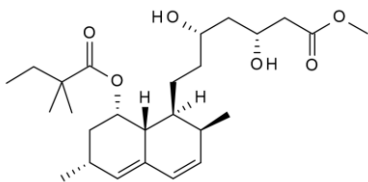
Refs: Sankar, D, et al, Asian J. Chem, 21, 4294 (2009); Vuletic, M, et al, J. Pharmac. Biomed. Anal, 37, 715 (2005)

Simvastatin**Simvastatin hydroxy acid methyl ester**

• (8R,8R,1S,2S,6R,8S,8aR)-8-(2,2-Dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-β,δ-dihydroxy-2,6-dimethyl-1-naphthaleneheptanoic Acid Methyl Ester
[145576-26-7] C₂₆H₄₂O₆ 450.61

IS27837

5mg	\$199.90
10mg	\$363.50
25mg	\$661.00



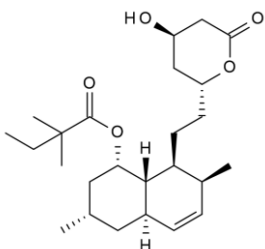
Refs: Endo, A, et al, J. Antibiot, 29, 1346

Simvastatin impurity K

• 4a,5-Dihydro simvastatin
• (1S,3S,4aR,7S,8S,8aS)-8-(2-((2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-pyran-2-yl)ethyl)-3,7-dimethyl-1,2,3,4,4a,7,8,8a-octahydronaphthalen-1-yl 2,2-dimethylbutanoate
C₂₅H₄₀O₅ 420.58

IS45166

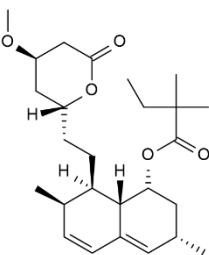
1mg	\$150.00
2mg	\$350.00
5mg	\$625.00

**Simvastatin 4'-methyl ether**

• 2,2-Dimethyl-butanoic acid (1S,3R,7S,8S,8aR)-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-((2R,4R)-tetrahydro-4-methoxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester
• Cholestat methyl ether
[864357-88-0] C₂₆H₄₀O₅ 432.59

IS27833

2mg	\$139.90
5mg	\$254.40
10mg	\$462.50



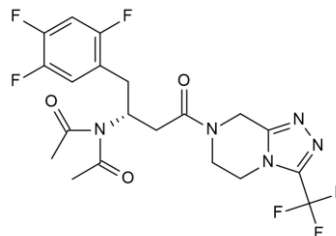
Refs: Vuletic, M, et al, J. Pharm. Biomed. Anal, 37, 715 (2005)

Sitagliptin**Sitagliptin Diamide impurity**

• (3S)-3-Amino-N-((S)-4-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-1-(2,4,5-trifluorophenyl)-4-oxobutan-2-yl)-4-(2,4,5-trifluorophenyl)butanamide
C₂₀H₁₉F₉N₅O₃ 491.39

IS106473

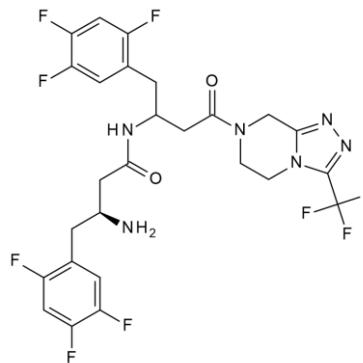
Price on Application

**Sitagliptin Hydrazine Diamide impurity**

• (3S)-3-Amino-N-((S)-4-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-1-(2,4,5-trifluorophenyl)-4-oxobutan-2-yl)-4-(2,4,5-trifluorophenyl)butanamide
C₂₆H₂₃F₉N₅O₂ 622.49

IS106474

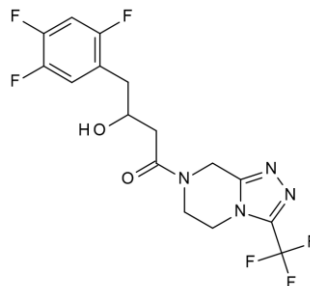
Price on Application

**Sitagliptin hydroxy amide impurity**

• 1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)-3-hydroxybutan-1-one
• Sitagliptin impurity 13
[1253056-01-7] C₁₆H₁₄F₆N₄O₂ 408.3

IS106472

Price on Application



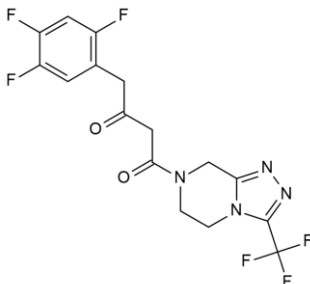
Sitagliptin keto amide impurity

• 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

[764667-65-4] C₁₆H₁₂F₆N₄O₂ 406.28

IS106471

Price on Application

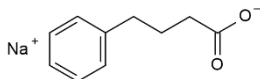
**Sodium phenylbutyrate****Sodium 4-phenylbutyrate**

• 4-Phenylbutyric acid sodium salt

[1716-12-7] C₁₀H₁₁NaO₂ 186.18

IS58073

5g \$75.00
10g \$125.00
25g \$250.00

**Sodium valproate****rac 2-Isopropyl pentanoic acid**

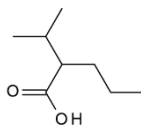
• 2-(1-Methylethyl)pentanoic acid

• Sodium valproate impurity C

[62391-99-5] C₈H₁₆O₂ 144.21

II27440

50mg \$157.50
100mg \$263.00
250mg \$500.00



Refs: Levy, R., et al. Pharm. Res. 8, 551 (1991)

Sofosbuvir**PSI 7976**

• Sofosbuvir impurity 1

[1190308-01-0] C₂₂H₂₉FN₃O₉P 529.45

IP102673

Price on Application

**Sofosbuvir impurity 2**

[1496552-51-2] C₂₂H₂₉ClN₃O₉P 545.91

IS153417

Price on Application

**Sofosbuvir impurity 3**

[1337482-15-1] C₂₂H₂₉FN₃O₉P 529.45

IS153418

Price on Application

**Sofosbuvir impurity 6**

[863329-63-9] C₃₁H₂₇N₃O₇ 553.56

IS153419

Price on Application

**Solifenacin****Ethyl (S)-1-phenyl-1,2,3,4-tetrahydro-2-isoquinolinecarboxylate**

• Solifenacin related compound 8

[180468-42-2] C₁₈H₁₉NO₂ 281.35

IE71486

2g \$240.00
5g \$375.00
10g \$560.00

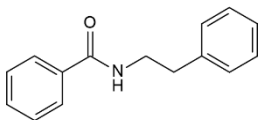


Solifenacin**N-(2-Phenethyl)benzamide**

• Solifenacin related compound 21
[3278-14-6] C₁₅H₁₅NO 225.29

IP11204

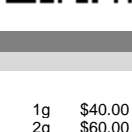
25g \$57.50
50g \$100.00
100g \$150.00

**1-Phenyl-1,2,3,4-tetrahydro-isoquinoline**

• Solifenacin related compound 20
[22990-19-8] C₁₅H₁₅N 209.29

IP14816

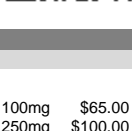
5g \$60.00
10g \$100.00
25g \$200.00

**(1S)-1-Phenyl-1,2,3,4-tetrahydroisoquinoline**

• Solifenacin impurity A
[118864-75-8] C₁₅H₁₅N 209.29

IP14817

1g \$40.00
2g \$60.00
5g \$100.00

**(R)-1-Phenyl-1,2,3,4-tetrahydroisoquinoline**

• Solifenacin related compound 9
[180272-45-1] C₁₅H₁₅N 209.29

IP46848

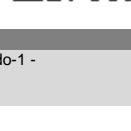
100mg \$65.00
250mg \$100.00
500mg \$160.00

**3-Quinuclidinone**

• Solifenacin related compound 22
[3731-38-2] C₇H₁₁NO 125.17

IQ31367

250mg \$72.50
500mg \$115.00
1g \$180.00

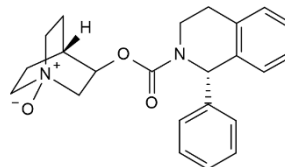
**Solifenacin N-oxide**

• (1S)-3,4-Dihydro-1-phenyl-2(1H)-isoquinolinecarboxylic acid (3R)-1-oxido-1-azabicyclo[2.2.2]oct-3-yl ester
• Solifenacin impurity I

[180272-28-0] C₂₃H₂₆N₂O₃ 378.46

IS27854

1mg \$160.00
2mg \$240.00
5mg \$535.00



Refs: Hammerlein, A, et al, Clin. Pharmacokinet, 35, 49 (1998); Schwartz, J, et al, Clin. Pharmacol. Ther, 55, 509

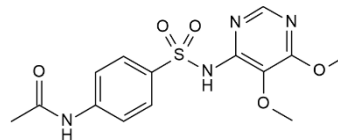
Sulfadoxine**N4-Acetyl sulfadoxine**

• N-[4-[(5,6-Dimethoxy-4-pyrimidinyl)amino]sulfonyl]phenyl]acetamide
• 4'-[(5,6-Dimethoxy-4-pyrimidinyl)sulfamoyl]acetanilide

[5018-54-2] C₁₄H₁₆N₄O₅S 352.37

IA17044

10mg \$50.00
25mg \$75.00
50mg \$100.00



Refs: Bergquist, Y, et al, Ther. Drug Monit, 9, 203 (1987); von Seidlein, L, et al, Lancet, 355, 352 (2000)

4-Amino-5,6-dimethoxypyrimidine

• Sulfadoxine impurity 1

[5018-45-1] C₈H₉N₃O₂ 155.15

IA34066

100mg	\$75.00
250mg	\$125.00
500mg	\$200.00

**Sulfasalazine****4-(Acetylamino)-3-bromobenzenesulfonyl chloride**[88963-75-1] C₈H₇BrClNO₂S 312.57

IA145664

Price on Application

**2-Hydroxy-5-[2-[4-(2-imino-1(2H)-pyridinyl)phenyl]diazenyl]-benzoic acid**• Sulfasalazine impurity C
• Salicylazoininopyridine[66030-25-9] C₁₈H₁₄N₄O₃ 334.33

IH145665

Price on Application

**2-Hydroxy-5-[2-[4-[[6-methyl-2-pyridinyl]amino]sulfonyl]phenyl]diazenyl]benzoic acid**• 6-Methyl sulfasalazine
• 2-Hydroxy-5-[4-[[6-methyl-2-pyridinyl]amino]sulfonyl]phenyl]azo]benzoic acid[42753-55-9] C₁₉H₁₆N₄O₅ 412.42

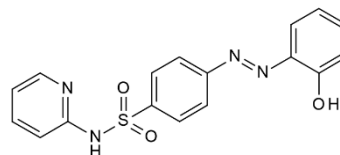
IH145662

Price on Application

**2-[[4-(2-Pyridylsulfamoyl)phenyl]azo]hydroxybenzene**• 4-[2-(2-Hydroxyphenyl)diazenyl]-N-2-pyridinylbenzenesulfonamide
• 4-[[2-(2-Hydroxyphenyl)azo]-N-2-pyridinylbenzenesulfonamide
• Sulfasalazine impurity D[66364-70-3] C₁₇H₁₄N₄O₃S 354.38

IP27340

50mg	\$150.50
100mg	\$273.00
250mg	\$497.50

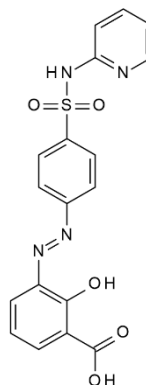


Refs: Zalipsky, J.J. et al, J. Pharmac. Sci, 67, 387 (1978)

3-[[p-(2-Pyridylsulfamoyl)phenyl]azo]salicylic acid• 2-Hydroxy-3-[2-[4-[(2-pyridinylamino)sulfonyl]phenyl]diazenyl]benzoic acid
• Sulfasalazine 3-isomer
• Sulfasalazine impurity F[66364-71-4] C₁₈H₁₄N₄O₅S 398.39

IP27943

2mg	\$60.00
5mg	\$92.50
10mg	\$148.00



Refs: Zalipsky, J.J. et al, J. Pharmac. Sci, 67, 387 (1978)

3-[4-(2-Pyridylsulfamoyl)phenyl] sulfasalazine

• Sulfasalazine impurity E

[1391062-34-2] C₂₀H₂₂N₆O₇S₂ 630.65

IP145663

Price on Application



Sulpiride

Sulpiride

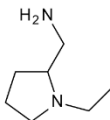
2-(Aminomethyl)-1-ethylpyrrolidine

- Sulpiride impurity A
- 1-Ethyl-2-pyrrolidinemethanamine

[26116-12-1] C₇H₁₆N₂ 128.22

IA63832

25g \$55.00
50g \$100.00
100g \$170.00



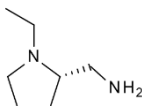
(S)-(-)-2-Aminomethyl-1-ethylpyrrolidine

- (2S)-1-Ethyl-2-pyrrolidinemethanamine
- (-)-2-(Aminomethyl)-1-ethyl-pyrrolidine
- Sulpiride impurity 1

[22795-99-9] C₇H₁₆N₂ 128.22

IA17783

1g \$99.80
2g \$157.50
5g \$288.80



S

5-(Aminosulfonyl)-2-methoxy-benzoic acid methyl ester

- Sulpiride impurity B

[33045-52-2] C₉H₁₁NO₅S 245.25

IA145486

Price on Application



Ethyl 2-methoxy-5-sulfamoylbenzoate

- Sulpiride impurity C

[33045-53-3] C₁₀H₁₃NO₅S 259.28

IE140268

1g \$83.00
2g \$145.00
5g \$290.00



2-Methoxy-5-sulfamoylbenzamide

- Sulpiride impurity E

[52395-25-2] C₈H₁₀N₂O₄S 230.24

IM145488

Price on Application



2-Methoxy-5-sulfamoylbenzoic acid

- Sulpiride impurity D

[22117-85-7] C₈H₉NO₅S 231.23

IM145487

Price on Application



(RS)-N-[(1-Ethylpyrrolidin-2-yl)methyl]-2-hydroxy-5-sulphamoylbenzamide

- Sulpiride impurity G
- O-Desmethylsulpiride

[67381-52-6] C₁₄H₂₁N₃O₄S 327.4

IE145489

Price on Application



Tacrolimus

23,24-Anhydro tacrolimus

- Tacrolimus diene

(3S,4R,8R,12S,14S,15R,16S,18R,19R,26aS)-8,11,12,13,14,15,16,17,18,19,24,25,26,26a-Tetradecahydro-19-hydroxy-3-[(1E)-2-[(1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethenyl]-14,16-dimethoxy-4,10,12,18-tetramethyl-8-(2-propen-1-yl)-15,19-epoxy(5E,9E)-3H-pyrido[2,1-c][1,4]oxaazacyclotricosine-1,7,20,21(4H,23H)-tetrone

[104987-16-8] C₄₄H₆₇NO₁₁ 786

IA35430

1mg \$195.00
2mg \$370.00
5mg \$825.00

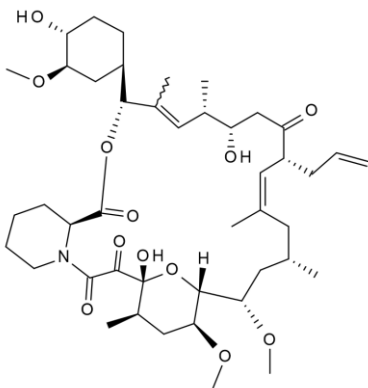


(E/Z)-FK-506 26,28-allylic ester rearrangement impurity

• [3R-[3R*(1R*,3R*,4R*),4E,6S*,7S*,10R*,11E,14S*,16S*,17R*,18S*,20R*,21R*,28aS*]-7,8,10,13,14,15,16,17,18,19,20,21,26,27,28,28a-Hexadecahydro-7,21-dihydroxy-3-(4-hydroxy-3-methoxycyclohexyl)-16,18-dimethoxy-4,6,12,14,20-pentamethyl-10-(2-propenyl)-7,21-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclopentacosine-1,9,22,23(6H,25H)-tetrone
• Tacrolimus impurity D
[131944-48-4] C₄₄H₆₉NO₁₂ 804.02

IF23294

1mg \$240.00
2mg \$384.00
5mg \$640.00



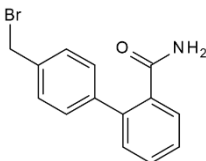
Refs: Ok, H. et al, Tetrahedron Lett, et al.: 31, 6477 (1990)

Telmisartan**4'-(Bromomethyl)-[1,1'-biphenyl]-2-carboxamide**

• Telmisartan-bromo amide impurity
[147404-72-6] C₁₄H₁₂BrNO 290.16

IB19246

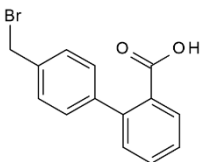
Price on Application

**4'-(Bromomethyl)-[1,1'-biphenyl]-2-carboxylic acid**

• Telmisartan-bromo acid impurity
[150766-86-2] C₁₄H₁₁BrO₂ 291.14

IB19247

500mg \$940.00
1g \$1500.00
2g \$2200.00



Refs: Sharma, M.C. et al, Adv. Appl. Sci, Res, 1, 120 (2010); Sharma, M.C. et al, Int. J. Adv. Pharmac. Sci, 1, 249 (2010)

6-Des(1-methyl-2-benzimidazolyl)-6-carboxy telmisartan

• Telmisartan diacid impurity
• 1-[(2'-Carboxy[1,1'-biphenyl]-4-yl)methyl]-4-methyl-2-propyl-1H-benzimidazole-6-carboxylic acid

[884330-12-5] C₂₆H₂₄N₂O₄ 428.48

ID21073

100mg \$150.00
250mg \$260.00
500mg \$450.00



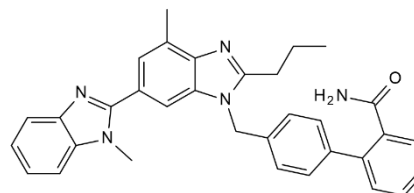
Refs: Yu, W. et al, Youji Huaxue, 26, 318 (2006)

4'-[[1,4'-Dimethyl-2'-propyl[2,6'-bi-1H-benzimidazol]-1'-yl)methyl][1,1'-biphenyl]-2-carboxamide

• Telmisartan amide
[915124-86-6] C₃₃H₃₁N₅O 513.63

ID28022

100mg \$195.00
250mg \$425.00
500mg \$800.00



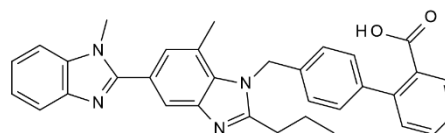
Refs: Xu, G. et al, Zhong. Yiyao Gong. Zaz, 40, 714 (2009)

(4'-[[1,7'-Dimethyl-2'-propyl-1H,1'H-2,5'-bibenzo[d]imidazol-1'-yl)methyl]biphenyl-2-carboxylic acid

• Telmisartan impurity B
[1026353-20-7] C₃₃H₃₀N₄O₂ 514.62

ID31884

10mg \$150.00
25mg \$275.00
50mg \$390.00



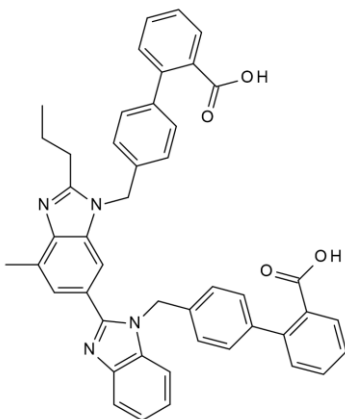
Telmisartan**4',4'''-[[4'-Methyl-2'-propyl[2,6'-bi-1H-benzimidazole]-1,1'-diyl]bis(methylene)]bis[1,1'-biphenyl]-2-carboxylic acid**

• Telmisartan dimer impurity

[884330-14-7] C₄₆H₃₈N₄O₄ 710.82

IM28023

1mg	\$250.00
2mg	\$400.00
5mg	\$750.00

**7'-Methyl-2'-propyl-2,5'-bi-1H-benzimidazole**

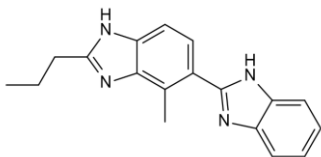
• 4'-Methyl-2'-propyl-2,6'-bi-1H-benzimidazole

• Telmisartan-desmethyl dibenzimidazole impurity

[884330-09-0] C₁₉H₁₈N₄ 290.36

IM25660

5mg	\$1130.00
10mg	\$200.00
25mg	\$300.00

**4'-[[4'-Methyl-2'-propyl[2,6'-bi-1H-benzimidazol]-1'-yl)methyl][1,1'-biphenyl]-2-carboxylic acid**

• N-Desmethyl telmisartan

[144701-81-5] C₃₂H₂₈N₄O₂ 500.59

IM21329

1mg	\$116.20
2mg	\$185.92
5mg	\$371.85

**Terazosin****4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperazinecarboxaldehyde**

• Terazosin hydrochloride dihydrate impurity D

[102714-74-9] C₁₅H₁₉N₅O₃ 317.34

IA63843

Price on Application

**[4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperaziny]-2-furanyl-methanone**

• Terazosin hydrochloride dihydrate impurity K

[19216-56-9] C₁₉H₂₁N₅O₄ 383.4

IA63850

Price on Application

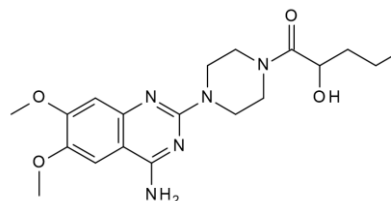
**1-[4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperaziny]-2-hydroxy-1-pentanone**

• Terazosin hydrochloride dihydrate impurity J

[152551-75-2] C₁₉H₂₇N₅O₄ 389.45

IA63849

10mg	\$180.00
25mg	\$300.00
50mg	\$525.00

**1-[4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperaziny]-5-hydroxy-1-pentanone**

• Terazosin hydrochloride dihydrate impurity F

[109678-71-9] C₁₉H₂₇N₅O₄ 389.45

IA63845

Price on Application



[4-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-1-piperazinyl][(5S)-tetrahydro-5-methyl-2-furanyl]-methanone

• Terazosin hydrochloride dihydrate impurity I

[1177261-85-6] C₂₀H₂₇N₅O₄ 401.46

IA63848

Price on Application

**6,7-Dimethoxy-2-[4-[(tetrahydro-2-furanyl)carbonyl]-1-piperazinyl]-4(3H)-quinazolinone**

• Terazosin hydrochloride dihydrate impurity B

[1177261-73-2] C₁₈H₂₄N₄O₅ 388.42

ID63842

Price on Application

**[4-(4-Amino-6-hydroxy-7-methoxy-2-quinazolinyl)-1-piperazinyl][(tetrahydro-2-furanyl)-methanone**

• Terazosin hydrochloride dihydrate impurity G

[105356-89-6] C₁₈H₂₃N₅O₄ 373.41

IA63846

Price on Application

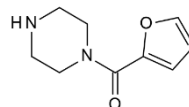
**1-(2-Furoyl)piperazine**

• Terazosin hydrochloride dihydrate impurity L

[40172-95-0] C₉H₁₂N₂O₂ 180.2

IF36870

Price on Application

**[4-(4-Amino-7-hydroxy-6-methoxy-2-quinazolinyl)-1-piperazinyl][(tetrahydro-2-furanyl)-methanone**

• Terazosin hydrochloride dihydrate impurity H

[105356-90-9] C₁₈H₂₃N₅O₄ 373.41

IA63847

Price on Application

**2,2'-(1,4-Piperazinediyl)bis[6,7-dimethoxy-4-quinazolinamine]**

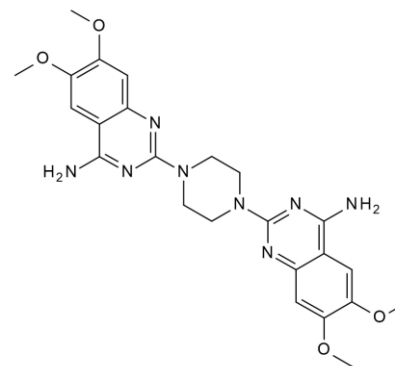
• Terazosin dimer impurity

• Terazosin impurity E

[102839-00-9] C₂₄H₂₈N₈O₄ 492.53

IP27062

5mg	\$150.00
10mg	\$272.60
25mg	\$496.00



Refs: Feretti, R. et al, J. Chrom. A, 1216, 5385 (2009); Bachman, W.J, J. Liq. Chrom. 9, 1033 (1986)

1,4-Bis[(tetrahydro-2-furanyl)carbonyl]-piperazine

• Terazosin hydrochloride dihydrate impurity O

[547730-06-3] C₁₄H₂₂N₂O₄ 282.34

IB63853

Price on Application

**1,4-Di-2-furoylpiperazine**

• Terazosin hydrochloride dihydrate impurity M

C₁₄H₁₄N₂O₄ 274.27

ID63852

Price on Application



Terbinafine

Terbinafine

N-[(2E)-6,6-Dimethyl-2-hepten-4-ynyl]-1-naphthalenemethanamine

- Demethylterbinafine
- SDZ 86621

[99473-11-7] C₂₀H₂₃N 277.4

ID21330

1mg \$795.00
2mg \$1350.00
5mg \$1950.00



Refs: Humbert, H, et al, Pharam. Drug Dispos, 19, 417 (1998)

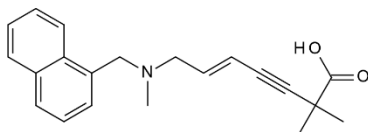
(5E)-2,2-Dimethyl-7-[methyl(1-naphthalenylmethyl)amino]-5-hepten-3-ynoic acid

- E-Carboxybutylterbinafine

[99473-14-0] C₂₁H₂₃NO₂ 321.41

ID19739

1mg \$227.20
2mg \$413.00
5mg \$750.80



Refs: Humbert, H, et al, Pharam. Drug Dispos, 19, 417 (1998)

(5E)-2,2-Dimethyl-7-[(1-naphthalenylmethyl)amino]-5-hepten-3-ynoic acid

- N-Desmethylcarboxy terbinafine

[99473-15-1] C₂₀H₂₁NO₂ 307.39

ID21358

1mg \$254.40
2mg \$462.50
5mg \$840.90



Refs: Petranyi, G, et al, Science, 224, 1239 (1984); Petranyi, G, et al, Antimicrob. Agents Chemother, 31, 1365 (1987);

Humbert, H, et al, Biopharm. Drug Dispos, 16, 685 (1995)

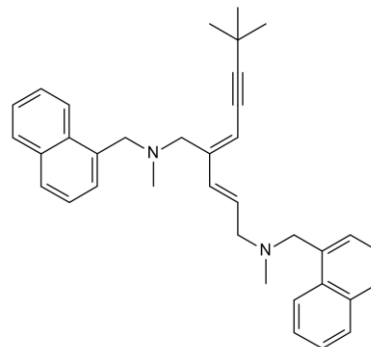
(2E,4E)-4-(4,4-Dimethyl-2-pentyn-1-ylidene)-N1,N5-dimethyl-N1,N5-bis(1-naphthalenylmethyl)-2-pentene-1,5-diamine, dichloride

- Terbinafine dimer impurity dihydrochloride salt

C₃₆H₄₀N₂·2HCl 573.64

ID28037

1mg \$95.00
2mg \$175.00
5mg \$340.00



Tiotropium bromide

Di-2-thienylmethanone

- Tiotropium bromide impurity F

[704-38-1] C₉H₆OS₂ 194.28

ID131940

500mg \$75.00
1g \$128.00
2g \$218.00



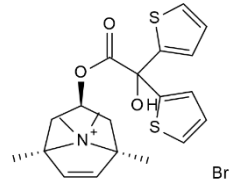
(1R,3S,5S)-3-(2-Hydroxy-2,2-di(thiophen-2-yl)acetoxy)-8,8-dimethyl-8-azabicyclo[3.2.1]oct-6-en bromide

- Tiotropium bromide impurity C

[136310-95-7] C₁₉H₂₂NO₃S₂·Br 456.42

IH42882

1mg \$145.60
2mg \$232.90
5mg \$372.50



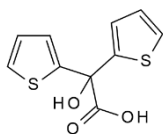
2-Hydroxy-2,2-bis(2-thienyl) acetic acid

• Di-2-thienylglycolic acid

[4746-63-8] C₁₀H₆O₃S₂ 240.3

IH41893

25mg	\$50.00
50mg	\$80.00
100mg	\$125.00

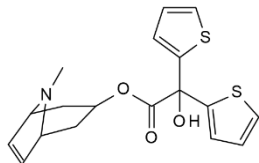
**(1R,3S,5S)-8-Methyl-8-azabicyclo[3.2.1]oct-6-en-3-yl-2'-hydroxy-2',2'-di(thiophen-2''-yl)acetate**

• Tiotropium impurity D

[136310-66-2] C₁₈H₁₈NO₃S₂ 361.48

IM42883

1mg	\$65.00
2mg	\$100.00
5mg	\$150.00

**Methyl 2,2-dithienylglycolate**

• a-Hydroxy-a-2-thienyl-2-thiopheneacetic acid methyl ester

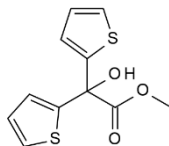
• Tiotropium impurity E

• Hydroxydithien-2-ylacetic acid methyl ester

[26447-85-8] C₁₁H₁₀O₃S₂ 254.33

IM25486

10g	\$65.00
25g	\$130.00
50g	\$200.00



Refs: Prat, M, et al, J. Med. Chem, 52, 5076 (2009)

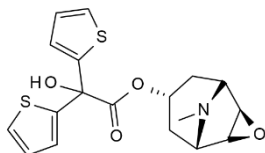
Scopine-2,2-dithienyl glycolate

• Tiotropium bromide impurity B

[136310-64-0] C₁₈H₁₈NO₄S₂ 377.48

IS145668

1g	\$525.00
2g	\$630.00
5g	\$1475.00

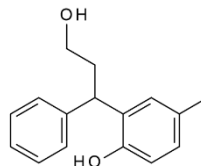
**Tolterodine****2-Hydroxy-5-methyl-gamma-phenylbenzenepropanol**

- 2-(3-Hydroxy-1-phenylpropyl)-4-methylphenol
- 3-(2-Hydroxy-5-methylphenyl)-3-phenylpropanol
- tolterodine impurity

[851789-43-0] C₁₆H₁₈O₂ 242.31

IH24280

100mg	\$122.00
250mg	\$222.50
500mg	\$400.00



Refs: Gillberg, P, et al, Eur. J. Pharmacol, 349, 285 (1998); Hirose, H, et al, Eur. J. Pharmacol, 452, 245 (2002)

2-Methoxy-5-methyl-gamma-phenylbenzenepropanol

• Tolterodine impurity A

[124937-73-1] C₁₇H₂₀O₂ 256.34

IM145669

1g \$195.00

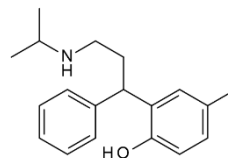
**4-Methyl-2-[3-[(1-methylethyl)amino]-1-phenylpropyl]phenol**

- rac-Desisopropyl tolterodine
- N-Isopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine
- Tolterodine impurity E

[480432-14-2] C₁₉H₂₅NO 283.41

IM27501

5mg	\$150.00
10mg	\$272.60
25mg	\$496.00



Refs: Nilvebrant, L, et al, Life Sci, 60, 1129 (1997); Nilvebrant, L, et al, Eur. J. Pharmacol, 327, 195 (1997)

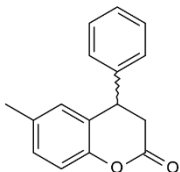
Tolterodine**6-Methyl-4-phenyl-3,4-dihydro-1-benzopyran-2-one**

- rac-6-Methyl-4-phenylchroman-2-one
- Tolterodine lactone impurity
- 6-Methyl-4-phenyl-3,4-dihydrocoumarin

[40546-94-9] C₁₆H₁₄O₂ 238.28

IM27626

50mg	\$110.50
100mg	\$201.00
250mg	\$365.00



Refs: Simon, F, et al, J. Med. Chem, 41, 4819 (1998)

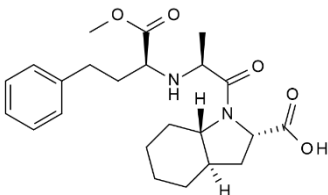
Trandolapril**Trandolaprilat methyl ester**

- [2S-[1[R*(R*)],2a,3a-a,7a-b]]-Octahydro-1-[2-[[1-(methoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1H-indole-2-carboxylic acid

[118194-41-5] C₂₃H₃₂N₂O₅ 416.51

IT28366

2mg	\$149.90
5mg	\$272.60
10mg	\$495.50

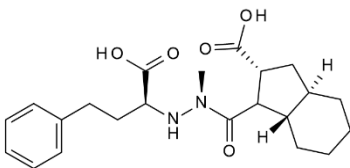
**Trandolaprilat monohydrate**

- (2S,3aR,7aS)-1-((S)-N-((S)-1-Carboxy-3-phenylpropyl)alanyl)hexahydro-2-indolinecarboxylic acid

[87679-71-8] C₂₂H₃₂N₂O₆ 420.5

IT28367

1mg	\$55.00
2mg	\$80.00
5mg	\$120.00



Refs: Blankley, C.J, et al, J. Med. Chem, 30, 992 (1987)

Tranexamic acid**trans-4-(Aminomethyl)cyclohexanecarboxylic acid**

- Tranexamic acid impurity B
- cis-Tranexamic acid

[1197-17-7] C₈H₁₅NO₂ 157.21

IA71533

Price on Application

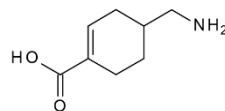
**4-(Aminomethyl)-1-cyclohexene-1-carboxylic acid**

- Tranexamic acid impurity

[330838-52-3] C₈H₁₃NO₂ 155.19

IA17772

5mg	\$70.00
10mg	\$110.00
25mg	\$190.00

**cis-4-[[[(1,1-Dimethylethoxy)carbonyl]amino]methyl]-cyclohexanecarboxylic acid**

- cis-(1,1-Dimethylethoxy)carbonyl tranexamic acid
- N-Boc-cis-tranexamic acid

[847416-70-0] C₁₃H₂₃NO₄ 257.33

ID22372

Price on Application



Refs: Andersson, et al, Scand. J. Haematol. 2, 230 (1965); Melander, B, et al, Acta Pharmacol. Toxicol., 22, 340 (1965); Bonnar, J, et al, Br. Med. J, 313, 579 (1996); Dunn, C.J, et al, Drugs, 57, 1005 (1999)

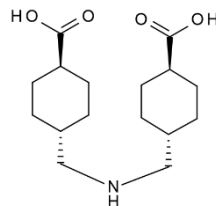
trans-trans-4,4'-Iminodimethylenedi(cyclohexanecarboxylic acid)

- Tranexamic acid dimer
- Tranexamic impurity A

[93940-19-3] C₁₆H₂₇NO₄ 297.39

II72042

1mg	\$150.00
2mg	\$240.00
5mg	\$540.00



Trimetazidine**1,4-Bis(2,3,4-trimethoxybenzyl)piperazine**

- Trimetazidine dihydrochloride impurity B
- Hexametazidine

[1257-19-8] C₂₄H₃₄O₆ 418.52

IB63857

Price on Application

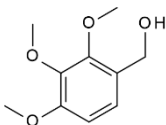
**2,3,4-Trimethoxybenzyl alcohol**

- Trimetazidine impurity D

[71989-96-3] C₁₀H₁₄O₄ 198.22

IT63858

5g \$50.00
10g \$80.00
25g \$150.00

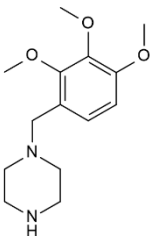
**1-(2,3,4-Trimethoxybenzyl)piperazine**

- Trimetazidine

[5011-34-7] C₁₄H₂₂N₂O₃ 266.34

IT106475

Price on Application

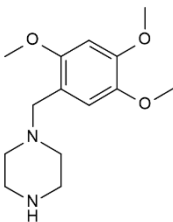
**1-(2,4,5-Trimethoxybenzyl)piperazine**

- Trimetazidine impurity E

[356083-64-2] C₁₄H₂₂N₂O₃ 266.34

IT106476

Price on Application

**1-(3,4,5-Trimethoxybenzyl)piperazine**

- Trimetazidine impurity A

[52146-35-7] C₁₄H₂₂N₂O₃ 266.34

IT63856

Price on Application

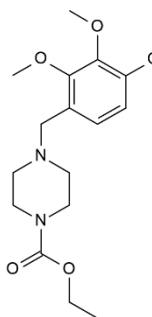
**4-[(2,3,4-Trimethoxyphenyl)methyl]-1-piperazinecarboxylic acid ethyl ester**

- Trimetazidine impurity H

[53531-01-4] C₁₇H₂₆N₂O₅ 338.4

IT145543

50mg \$150.00
100mg \$250.00
250mg \$525.00

**1-[(2,4,6-Trimethoxyphenyl)methyl]-piperazine**

- Trimetazidine dihydrochloride impurity F

[754147-91-6] C₁₄H₂₂N₂O₃ 266.34

IT63860

Price on Application

**Trimetazidine dihydrochloride****1-Methyl-4-(3,4,5-trimethoxybenzyl)piperazine**

- Trimetazidine dihydrochloride impurity I

[34274-06-1] C₁₅H₂₄N₂O₃ 280.36

IM63862

Price on Application

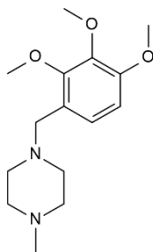


Trimetazidin**1-(2,3,4-Trimethoxybenzyl)-4-methylpiperazine**

• N-Methyl Trimetazidine Dihydrochloride
 • Trimetazidine dihydrochloride impurity I
 [53960-20-6] C₁₅H₂₄N₂O₃·2HCl 353.28

IT106478

Price on Application



ClH

**1-[(2,4,5-Trimethoxyphenyl)methyl]piperazine dihydrochloride**

• Trimetazidine dihydrochloride impurity E
 [1185304-07-7] C₁₄H₂₂N₂O₃ 266.34

IT63859

Price on Application

**Valproic acid****2-Demethoxy-2-chloro urapidil**

• 6-[[3-[4-(2-Chlorophenyl)-1-piperazinyl]propyl]amino]-1,3-dimethyl-2,4(1H,3H)-pyrimidinedione
 • Urapidil impurity 3
 [34661-73-9] C₁₉H₂₆ClN₅O₂ 391.89

ID139024

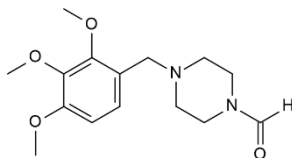
Price on Application

**4-(2,3,4-Trimethoxybenzyl)piperazine-1-carbaldehyde hydrochloride**

• N-Formyl trimetazidine hydrochloride
 [879646-17-0] C₁₅H₂₂N₂O₄·HCl 330.81

IT106479

Price on Application



HCl

**2-Demethoxy-4-methoxy urapidil**

• 6-[[3-[4-(4-Methoxyphenyl)-1-piperazinyl]propyl]amino]-1,3-dimethyl-2,4(1H,3H)-pyrimidinedione
 • Urapidil impurity 2
 [34661-79-5] C₂₀H₂₉N₅O₃ 387.48

ID139023

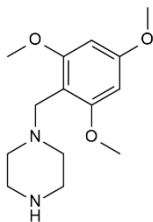
Price on Application

**1-(2,4,6-Trimethoxybenzyl)piperazine dihydrochloride**

• Trimetazidine dihydrochloride impurity F
 [113698-83-2] C₁₄H₂₂N₂O₃·2HCl 339.26

IT106477

Price on Application



ClH

**O-Desmethyl urapidil**

• 6-[[3-[4-(2-Hydroxyphenyl)-1-piperazinyl]propyl]amino]-1,3-dimethyl-2,4(1H,3H)-pyrimidinedione
 [91453-03-1] C₁₉H₂₇N₅O₃ 373.45

ID139025

Price on Application

**1-(3,4,5-Trimethoxybenzyl)piperazine dihydrochloride**

• Trimetazidine impurity A
 [107049-57-0] C₁₄H₂₄Cl₂N₂O₃ 339.26

IT145544

Price on Application



Valsartan

Des(oxopentyl) valsartan benzyl ester

- N-[[2'-(1H-Tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-valine phenylmethyl ester
- N-[[2'-(1H-Tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-valine benzyl ester [676129-93-4] C₂₆H₂₇N₅O₂ 441.53

ID21096

10mg \$139.80
25mg \$254.50
50mg \$462.00

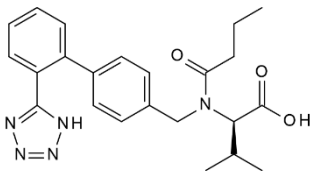


N-(1-Oxobutyl)-N-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-valine

- Valsartan n-propyl impurity [952652-79-8] C₂₃H₂₇N₅O₃ 421.49

IO28664

5mg \$174.90
10mg \$318.00
25mg \$578.50



Refs: Hillaert, S, et al, J. Pharm. Biomed. Anal, 31, 329

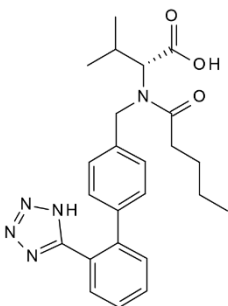
N-(1-Oxopentyl)-N-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-D-valine

- Valsartan related compound A
- ent-Valsartan

[137862-87-4] C₂₄H₂₉N₅O₃ 435.52

IO22697

1mg \$55.00
2mg \$87.50
5mg \$175.00



Refs: Corea, L, et al, Clin. Pharmacol. Ther, 60, 341 (1996)

N-(1-Oxopentyl)-N-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]

- Valsartan benzyl ester
- (S)-Benzyl 2-((2-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)pentanamido-3-methylbutanoate [137863-20-8] C₃₁H₃₅N₅O₃ 525.64

IO28663

5mg \$70.00
10mg \$130.00
25mg \$200.00



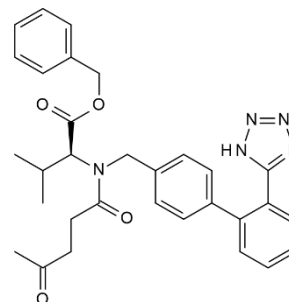
Refs: Cramer, et al, J. Med. Chem, 42, 3919

4-Oxo valsartan benzyl ester

- N-(1,4-Dioxopentyl)-N-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-valine phenylmethyl ester [188240-32-6] C₃₁H₃₃N₅O₄ 539.63

IO26665

1mg \$580.00
2mg \$960.00
5mg \$1600.00



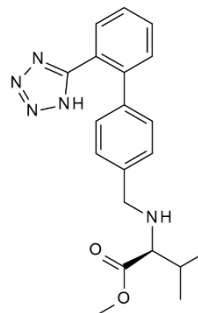
Refs: Buczko, W, et al, Med. SCI. MONITOR, 7, 600 (2001)

N-[[2'-(2H-Tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-valine methyl ester

- Des (oxopentyl) valsartan methyl ester
- Valsartan Desvaleryl impurity methyl ester [1111177-24-2] C₂₀H₂₃N₅O₂ 365.43

IT106481

25mg \$60.00
50mg \$95.00
100mg \$170.00



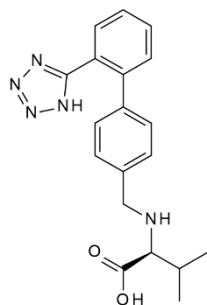
Valsartan**N-[[2'-(2H-Tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-Valine**

- Des(oxopentyl) valsartan
- Valsartan Desvaleryl impurity

[676129-92-3] C₁₉H₂₁N₅O₂ 351.4

IT106480

10mg	\$60.00
25mg	\$125.00
50mg	\$200.00

**Venlafaxine****1-[2-Amino-1-(4-methoxyphenyl)ethyl]-cyclohexanol**

- Venlafaxine hydrochloride impurity C

[93413-77-5] C₁₅H₂₃NO₂ 249.35

IA63865

Price on Application

**b-1-Cyclohexen-1-yl-4-methoxy-N,N-dimethylbenzeneethanamine**

- Dehydro venlafaxine
- Venlafaxine impurity F

[93413-57-1] C₁₇H₂₅NO 259.39

IC20956

1mg	\$254.40
2mg	\$462.50
5mg	\$840.90



Refs: Haskins, J, et al. Eur. J. Pharmacol, 115, 139 (1985); Muth, E, et al. Biochem. Pharmacol, 35, 4493 (1986); Rudorfer, M, et al. Drugs, 37, 713 (1989)

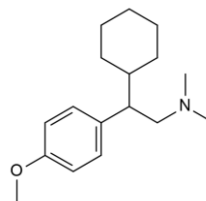
2-Cyclohexyl-2-(4-methoxyphenyl)-N,N-dimethylethanamine

- Venlafaxine impurity G
- Deshydroxy venlafaxine

[1076199-92-2] C₁₇H₂₇NO 261.4

IC63867

1mg	\$180.00
2mg	\$320.00
5mg	\$600.00

**Ethyl 3-(dimethylamino)-2-(4-methoxyphenyl)propanoate**

- Venlafaxine hydrochloride impurity B

[323176-93-8] C₁₄H₂₁NO₃ 251.32

IE63864

Price on Application

**4-Methoxy-N,N-dimethyl-phenethylamine**

- Venlafaxine impurity A
- Des(1-cyclohexanol) venlafaxine
- N,N-Dimethyl-2-(p-anisyl)ethylamine

[775-33-7] C₁₁H₁₇NO 179.26

IM21071

25mg	\$40.00
50mg	\$65.00
100mg	\$100.00



Refs: Basappa, et al. Bioorg. Med. Chem. Lett, 14, 3279 (2004)

1-[1-(4-Methoxyphenyl)-2-[2-(4-methoxyphenyl)ethyl]amino]ethyl]cyclohexanol

- Venlafaxine impurity H

[1329795-88-1] C₂₄H₃₃NO₃ 383.52

IM63868

Price on Application



1-[1-(4-Methoxyphenyl)-2-(methylamino)ethyl]-cyclohexanol hydrochloride

• Venlafaxine impurity D

[93413-90-2] C₁₆H₂₅NO₂·HCl 299.84

IM63866

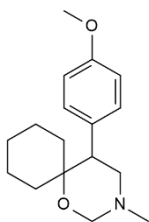
Price on Application

**5-(4-Methoxyphenyl)-3-methyl-1-oxa-3-azaspiro[5.5]undecane**

• Venlafaxine cyclic impurity H

[93413-70-8] C₁₇H₂₅NO₂ 275.39

IM28679

1mg \$254.40
2mg \$462.50
5mg \$840.90**2,2'-Methylenebis[4-[2-(dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol**

• O-Desmethyl venlafaxine dimer

[1187545-62-5] C₃₃H₅₀N₂O₄ 538.76

IM21345

2mg \$174.90
5mg \$318.00
10mg \$578.20**Verapamil****N,N'-Bis[2-(3,4-dimethoxyphenyl)ethyl]-N,N'-dimethyl-1,3-propanediamine dihydrochloride**

• Verapamil impurity A .2HCl

[63434-11-7] C₂₅H₃₈N₂O₄·2HCl 503.5

IB145560

Price on Application

**3,4-Dimethoxy-N,N-dimethyl-benzeethanamine hydrochloride**

• Verapamil impurity C hydrochloride

[51012-67-0] C₁₂H₁₉NO₂·HCl 245.75

ID145562

Price on Application

**3,4-Dimethoxy-N-methyl-benzeethanamine hydrochloride**

• Verapamil impurity B hydrochloride

[13078-76-7] C₁₁H₁₇NO₂·HCl 231.72

ID145561

Price on Application

**3,4-Dimethoxy-a-(1-methylethyl)benzeneacetonitrile**

• Verapamil impurity K

[20850-49-1] C₁₃H₁₇NO₂ 219.28

ID145567

Price on Application

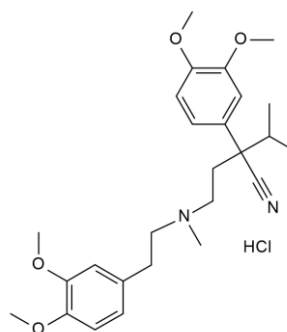
**4-[(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylbutyronitrile monohydrochloride**

• a-[2-[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]ethyl]-3,4-dimethoxy-a-(1-methylethyl)benzeneacetonitrile hydrochloride

• Verapamil impurity I hydrochloride

[1794-55-4] C₂₆H₃₇ClN₂O₄ 477.04

ID20771

5mg \$124.90
10mg \$227.20
25mg \$413.00

Refs: Arrendale, R.F, et al, J. Chromatog, 518, 307 (1990)

Verapamil

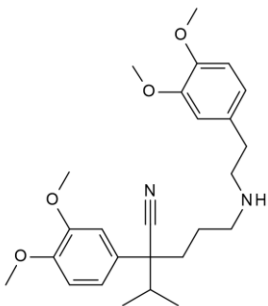
2-(3,4-Dimethoxyphenyl)-5-[2-(3,4-dimethoxyphenyl)ethylamino]-2-propan-2-ylpentanenitrile hydrochloride

- a-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]propyl]-3,4-dimethoxy-a-(1-methylethyl)-benzeneacetonitrile
- Norverapamil hydrochloride
- Verapamil impurity J

[67812-42-4] C₂₆H₃₆N₂O₄·HCl 477.04

ID26420

2mg \$190.00
5mg \$260.00
10mg \$470.00



ClH



Refs: Mutlib, A.E, et al, The Journal of Pharm. & Exp. Therapeutics, 252, 2, 593 (1989)

(2R)-2-(3,4-Dimethoxyphenyl)-5-[2-(3,4-dimethoxyphenyl)ethyl-methylamino]-2-isopropylpentanenitrile hydrochloride

- (2R)-2-(3,4-Dimethoxyphenyl)-5-[2-(3,4-dimethoxyphenyl)ethyl-methyl-amino]-2-isopropylpentanenitrile hydrochloride
- (R)-Verapamil Hydrochloride
- (2R)-2-(3,4-Dimethoxyphenyl)-5-(homoveratryl-methylamino)-2-isopropylvaleronitrile hydrochloride

[38176-02-2] C₂₇H₃₉ClN₂O₄ 491.06

ID28684

1mg \$318.00
2mg \$578.10
5mg \$1051.10



Refs: Peroutka, S, et al, J. Ann. Neurol, 23, 500 (1988); Eliason, J.F, et al, Int. J. Cancer, 46, 113 (1990)

a,a'-[[[2-(3,4-Dimethoxyphenyl)ethyl]imino]di-3,1-propanediyl]bis[3,4-dimethoxy-α-(1-methylethyl)-benzeneacetonitrile

- Verapamil impurity M

[141991-89-1] C₄₂H₅₇N₃O₆ 699.92

ID145565

Price on Application

**a-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-3,4-dimethoxy-a-propyl-benzeneacetonitrile**

- Verapamil impurity O

[959011-16-6] C₂₇H₃₈N₂O₄ 454.6

ID145564

Price on Application

**a-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-α-ethyl-3,4-dimethoxy-benzeneacetonitrile**

- Verapamil impurity H

[67018-83-1] C₂₆H₃₆N₂O₄ 440.58

ID145566

Price on Application

**3,4-Dimethoxyphenyl isopropyl ketone**

- Verapamil impurity L

[14046-55-0] C₁₂H₁₆O₃ 208.25

ID145569

Price on Application

**1-Isopropyl-1-N-methylpropylamino-(3,4-dimethoxyphenyl)acetonitrile**

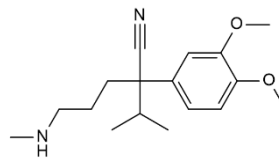
- 3,4-Dimethoxy-a-[3-(methylamino)propyl]-a-(1-methylethyl)benzeneacetonitrile

- Verapamil impurity F

[34245-14-2] C₁₇H₂₆N₂O₂ 290.4

I127496

1mg \$65.00
2mg \$100.00
5mg \$150.00



Refs: Jones, O, et al, Environ. Sci. Technol, 41, 5085 (2007)

N-Methyl-N-(3-chloropropyl)homoveratrylamine

- Verapamil impurity D
- N-(3-Chloropropyl)-3,4-dimethoxy-N-methylbenzeneethanamine

[36770-74-8] C₁₂H₁₉NO₂·HCl 245.75

IM145563

Price on Application

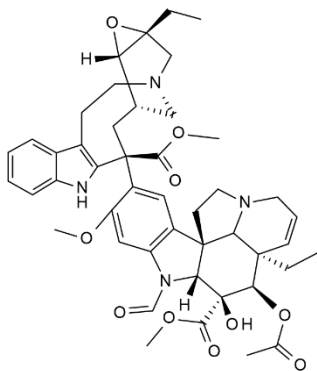
**Vincristine****N-Formyl leurosine**

- (3'a,4'a)-4'-Deoxy-3',4'-epoxy-22-oxovincalcekoblastine
- Vincristine impurity G

[54022-49-0] C₄₆H₅₄N₄O₁₀ 822.94

IF23552

1mg \$560.00
2mg \$900.00
5mg \$1750.00



Refs: Erdelyi-Toth, V, et al,

22-Oxo-vincalcekoblastine 6'-oxide

- Vincristine impurity K
- Vincristine N-oxide

[947527-73-3] C₄₆H₅₆N₄O₁₁ 840.96

IO28695

1mg \$139.90
2mg \$254.40
5mg \$462.50

**Zidovudine****3'-[3-(3-Azido-2,3-dideoxy-b-D-erythro-pentofuranosyl)-3,6-dihydro-5-methyl-2,6-dioxo-1(2H)-pyrimidinyl]-3'-deoxy-thymidine**

- Zidovudine impurity G

[148665-49-0] C₂₀H₂₅N₇O₈ 491.45

IA145570

Price on Application

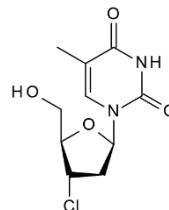
**3'-Deoxy-3'-chlorothymidine**

- Zidovudine impurity B

[25526-94-7] C₁₀H₁₃ClN₂O₄ 260.67

ID45199

10mg \$190.00
25mg \$375.00
50mg \$600.00

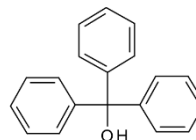
**Triphenylmethanol**

- a,a-Diphenylbenzenemethanol
- Zidovudine impurity D
- Hydroxytriphenylmethane

[76-84-6] C₁₉H₁₆O 260.33

IT28577

100g \$45.00
250g \$102.50
500g \$175.00



Refs: Buchel, K, et al, Arzneim.-Forsch, 22, 1260 (1972); Sawyer, P, et al, Drugs, 9, 424

Zolpidem tar

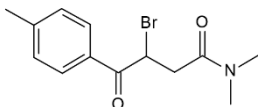
Zolpidem tartrate

3-Bromo-N,N-dimethyl-3-(4-methylbenzoyl)propionamide

• Zolpidem related compound 2
[836627-56-6] C₁₃H₁₆BrNO₂ 298.18

ID57814

25mg \$70.00
50mg \$125.00
100mg \$200.00

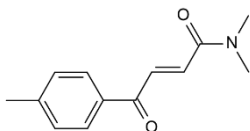


N,N-Dimethyl-2-ene-3-(4-methylbenzoyl)-propionamide

• Zolpidem Related Compound 3
[83192-85-2] C₁₃H₁₅NO₂ 217.26

ID57810

5mg \$75.00
10mg \$120.00
25mg \$250.00

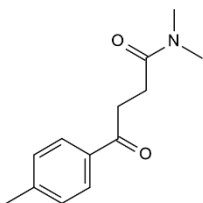


N,N-Dimethyl-3-(4-methylbenzoyl)propionamide

• N,N-Dimethyl-4-oxo-4-(p-tolyl)butanamide
• Zolpidem Related Compound 1
[402470-91-1] C₁₃H₁₇NO₂ 219.28

ID57813

100mg \$50.00
250mg \$100.00
500mg \$175.00

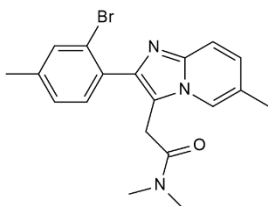


N,N-Dimethyl-2-[6-methyl-2-(2-bromo-4-methylphenyl)imidazo[1,2-a]pyridin-3-yl]acetamide

C₁₉H₂₀BrN₃O 386.29

ID57808

Price on Application

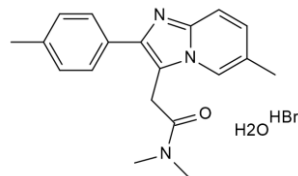


N,N-Dimethyl-2-[6-methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridin-3-yl]acetamide hydrobromide monohydrate

[299397-23-2] C₁₉H₂₁N₃O·HBr·H₂O 406.32

ID57818

Price on Application



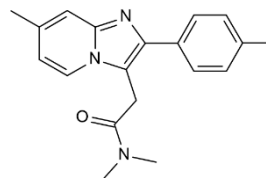
N,N-Dimethyl-2-[7-methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridin-3-yl]acetamide

• Zolpidem tartrate impurity A
• 5-Methyl zolpidem

[1346600-85-8] C₁₈H₂₁N₃O 307.39

ID57805

5mg \$50.00
10mg \$90.00
25mg \$150.00



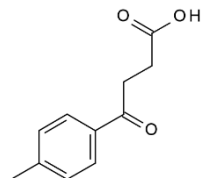
3-(4-Methylbenzoyl)propionic acid

• Zolu-1
• 4-(4-Methylphenyl)-4-oxobutyric acid
• 3-(p-Toluoyl)propionic acid

[4619-20-9] C₁₁H₁₂O₃ 192.21

IM57803

5g \$50.00
10g \$60.00
25g \$125.00



6-Methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridin-3-acetic acid

• Zolpidem related compound 5

[189005-44-5] C₁₇H₁₆N₂O₂ 280.32

IM46256

1g \$120.00
2g \$200.00
5g \$360.00



4-Methyl-N-(5-methyl-2-pyridinyl)benzamide

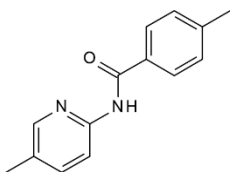
• Zolpidem related compound C

• Zolpyridine

[349122-64-1] C₁₄H₁₄N₂O 226.27

IM25877

50mg	\$120.50
100mg	\$219.00
250mg	\$397.50

**Zonisamide****N-Acetyl zonisamide**

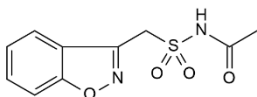
• N-[(1,2-Benzisoxazol-3-yl)methylsulfonyl]-acetamide

• N-Acetyl-3-(sulfamoylmethyl)-1,2-benzisoxazole

[68936-43-6] C₁₀H₁₀N₂O₄S 254.26

IA17048

1mg	\$272.60
2mg	\$495.50
5mg	\$900.90



Refs: Perchalski, R. J., et al, J. Clin. Pharmacol, 26, 435 (1986); Stiff, D.D., et al, Drug Metab. Disp, 18, 888 (1990)

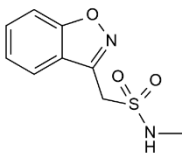
N-Methyl zonisamide

• N-Methyl-1,2-benzisoxazole-3-methanesulfonamide

[68292-02-4] C₉H₁₀N₂O₃S 226.25

IM25576

10mg	\$149.90
25mg	\$272.50
50mg	\$496.00



Z



Custom Synthesis

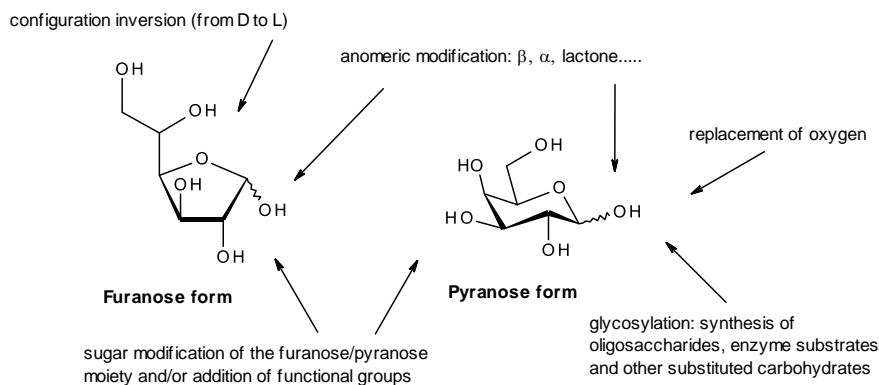
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- Nucleosides, dinucleotides and analogues
- Small scale automated purification
- Synthetic route development
- High purity complex products
- Natural product synthesis
- Heterocyclic chemistry
- Oligosaccharide synthesis
- Conjugates
- Impurities and metabolites

Carbosynth welcomes custom synthesis and development projects which utilise our core expertise in carbohydrate and nucleic acid chemistries as well as niche fine chemical requirements. We operate under strict confidentiality.

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 - Preparative HPLC
 - Size exclusion chromatography
 - Buchi MPLC
 - CEM Microwave synthesis system
 - Genevac evaporation
 - Lyophilisation
- Full in-house analytical support
 - LC-MS, HPLC, GC, optical rotation, Dionex, UPLC, ICP and NMR (1H, 13C, 19F and 31P)
- Experienced Group Leaders/Senior Chemists/Chemists
 - PhDs in carbohydrate and oligosaccharide synthesis
 - > 40 years combined experience
 - Scale up





Formula Index

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C ₃ H ₆ N ₂ O ₃	N-Methylnitroacetamide	106
C ₃ H ₆ ClN ₃ O ₂ S	3-Amino-4,6-dihydro-1,2,6-thiadiazine-1,1-dioxide, hydrochloride	52
C ₄ H ₆ N ₆ O ₂	Decitabine impurity 12	43
	Decitabine impurity 13	43
C ₄ H ₇ NO ₂ S ₂	1,1-Bis-(methylthio)-2-nitroethane	105
C ₄ H ₈ N ₄	N-Cyano-N,N'-dimethylguanidine	38
C ₄ H ₈ N ₂ O ₂ S	N-Methyl-1-methylthio-2-nitroethyleamine	106
C ₄ H ₈ N ₄ O·½H ₂ O ₄ S	3-Amino-4-carbamoylpyrazole hemisulfate	16
C ₄ H ₈ N ₂ O ₂	N,N'-Dimethyl-2-nitro-1,1-ethenediamine	106
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C ₄ H ₈ Cl ₂ N ₄ S	4-Chloromethyl-2-[(aminoiminomethyl)amino]thiazole, hydrochloride	53
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C ₄ H ₈ NO ₂	Methyl 3-aminocrotonate	78
C ₄ H ₁₀ ClN ₃ OS	3-(Methylamino)-5,6-dihydro-2H-1,4-thiazin-2-one oxime hydrochloride	106
C ₄ H ₉ NO ₃ ·HCl	5-Aminolevulinic acid hydrochloride	17
C ₄ H ₇ NO ₃	Decitabine impurity 14	43
C ₄ H ₇ O ₄ S	4-Methanesulfonyloxybutanol	33
C ₄ H ₇ N ₂ S ₂	Bis-[[2-aminoethyl]thio]methane	105
C ₄ H ₇ N ₂ S ₂ ·2HCl	Bis-[[2-aminoethyl]thio]methane dihydrochloride	105
C ₄ H ₈ N ₆ O	Allopurinol impurity C	16
C ₄ H ₉ N ₃ O ₂	4-Amino-5,6-dimethoxypyrimidine	117
	Ethyl 3-aminopyrazole-4-carboxylate	17
C ₄ H ₇ NO ₃ ·HCl	5-Aminolevulinic acid methyl ester hydrochloride	18
C ₄ H ₇ O ₄ S	Methyl 2-deoxy-D-ribosepyranoside	44
C ₄ H ₇ Cl ₂ N	2-Chlorotriethylamine hydrochloride	19
C ₄ H ₇ Cl ₂ O ₂	2,3-Dichlorobenzoic acid	63
C ₄ H ₆ N ₂ S	2-Mercaptobenzimidazole - EP	65
C ₄ H ₆ N ₂ O	2-Hydroxybenzimidazole - EP	64
C ₄ H ₆ N ₃ O ₃	Allopurinol impurity E	16
C ₄ H ₁₀ NNaO ₇ P ₂ ·2.5H ₂ O	Monosodium 1-hydroxy-2-(3-pyridinyl)ethylidene]bisphosphonate salt hemipentahydrate	108
C ₄ H ₇ NO	3-Quinuclidinone	116
C ₄ H ₇ NO ₆ P ₂	[2-(3-Pyridinyl)ethylidene]bisphosphonic acid	108
C ₄ H ₇ NO ₃	2-Methoxyethyl-3-aminocrotonate	78
C ₄ H ₇ N ₃ S·2HCl	4-Methyl-5-[[2-aminoethyl]thiomethyl]imidazole dihydrochloride	38
C ₇ H ₇ O ₅ S	1-Acetate 4-methanesulfonate 1,4-butanediol	33
C ₇ H ₁₆ N ₂	(S)-(-)-2-Aminomethyl-1-ethylpyrrolidine	118
	2-(Aminomethyl)-1-ethylpyrrolidine	118
C ₈ H ₅ F ₃ N ₂ O ₂ S	N-Hydroxy-6-(trifluoromethoxy)-2-benzothiazolamine	108
C ₈ H ₇ Cl ₂ N ₃	5,6-Dichloro-1,4-dihydro-2-quinazolinamine	23
C ₈ H ₇ BrClNO ₃ S	4-(Acetylamino)-3-bromobenzenesulfonyl chloride	117
C ₈ H ₆ BrCl ₂ N ₃	2-Amino-5,6-dichloro-3,4-dihydroquinazoline hydrobromide	22
C ₈ H ₆ CINO ₂	3-Chloro-4-hydroxyacetanilide	13
C ₈ H ₆ NO ₂	1,3-Dihydro-6-methylfuro[3,4-c]pyridin-7-ol	100
C ₈ H ₆ NO ₅ S	2-Methoxy-5-sulfamoylbenzoic acid	118
C ₈ H ₁₀ N ₂ O ₄	2-Propylimidazole-4,5-dicarboxylic acid	81
C ₈ H ₁₀ N ₄ O ₄	3,9-Dihydro-9-[(2-hydroxyethoxy)methyl]-1H-purine-2,6-dione	14
C ₈ H ₁₀ N ₂ O ₄ S	2-Methoxy-5-sulfamoylbenzamide	118
C ₈ H ₁₀ N ₂ O ₄ S ₂	(5aR,10aR)-Tetrahydro-3H,5H,8H,10H-bisthiazolo[3,4-a:3',4'-d]pyrazine-5,10-dione	92
C ₈ H ₁₁ N ₅ O ₃	2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one	14
C ₈ H ₇ N ₃ O ₅	1-b-D-Ribofuranosyl-1,2,4-triazole-3-carboxylic acid	107
C ₈ H ₂ CINO ₂	rac-Norphenylephrine hydrochloride	91
C ₈ H ₂ N ₄ O ₂ S ₂	3-[[[2-(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphonyl]propanoic acid	54
C ₈ H ₂ N ₄ O ₁	1-(2-Deoxy-a-D-ribofuranosyl)-5-azacytosine	43
C ₈ H ₁₃ NOS	3-(Methylamino)-1-(2-thienyl)propan-1-ol	48
C ₈ H ₁₃ N ₃ OS ₂	3-[[[2-(Diaminomethylene)amino]-4-thiazolyl]methyl]thio]propanamide	54
C ₈ H ₁₃ NO ₂	4-(Aminomethyl)-1-cyclohexene-1-carboxylic acid	124
	[[5-[(Dimethylamino)methyl]furan-2-yl]methanol	106

Formula	Product Name	Page
C ₈ H ₁₄ N ₆ S ₂ HCl	3-[[[2-(Diaminomethylene)amino]-4-thiazolyl]methyl]thio]propanimidamide hydrochloride	54
C ₈ H ₁₅ NO	4-Isobutyl-2-pyrrolidinone	96
	(S)-4-(2-Methylpropyl)-2-pyrrolidinone	97
C ₈ H ₁₅ NO ₂	trans-4-(Aminomethyl)cyclohexanecarboxylic acid	124
C ₈ H ₁₅ ClN ₆ O ₃ S ₃	N-(Aminosulphonyl)-3-[[[2-[(aminomethyl)amino]-4-thiazolyl]methyl]thio]propanamide, hydrochloride	53
C ₈ H ₁₆ O ₂	rac 2-Isopropyl pentanoic acid	115
C ₉ H ₈ Cl ₂ N ₃ O ₂	6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-(2H,4H)-dione	64
C ₉ H ₆ Cl ₂ N ₄ O	3-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-5(4H)-one	63
C ₉ H ₆ OS ₂	Di-2-thienylmethanone	122
C ₉ H ₆ F ₃ N ₃ O ₂ S	N-[6-(Trifluoromethoxy)-2-benzothiazolyl]urea	108
C ₉ H ₇ Cl ₂ N ₅	6-(2,4-Dichlorophenyl)-1,2,4-triazine-3,5-diamine	63
	2-(2,3-Dichlorophenyl)-2-(guanidinoimino)acetonitrile	63
	3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine	63
C ₉ H ₈ N ₂ O ₂	1-Methyl-1-H-indazole-3-carboxylic acid	59
C ₉ H ₈ N ₃ O ₂	Carbendazim	15
C ₉ H ₁₀ N ₂ O ₃ S	N-Methyl zonisamide	133
C ₉ H ₁₁ NO ₂	N-(4-Hydroxyphenyl)propanamide	14
C ₉ H ₁₁ NO ₅ S	5-(Aminosulfonyl)-2-methoxy-benzoic acid methyl ester	118
C ₉ H ₁₂ O ₂	4-(2-Methoxyethyl)phenol	73
C ₉ H ₁₂ N ₂ O ₂	1-(2-Furoyl)piperazine	121
C ₉ H ₁₂ ClF ₂ N ₄ O ₄	1'-Epi gemcitabine, hydrochloride	58
C ₉ H ₁₂ N ₂ O ₄ S	(R)-3-(R)-5-Oxopyrrolidine-2-carbonyl]thiazolidine-4-carboxylic acid	92
	(S)-3-(R)-5-Oxopyrrolidine-2-carbonyl]thiazolidine-4-carboxylic acid	92
	(S)-3-(S)-5-Oxopyrrolidine-2-carbonyl]thiazolidine-4-carboxylic acid	92
	Pidotimid diketopiperazine-6-propanoic acid	92
C ₉ H ₁₃ N ₇ S ₂	N-Cyano-3-[[[2-(aminomethyl)amino]-4-thiazolyl]methyl]sulphonyl]propanimidamide	54
C ₉ H ₁₃ NO ₅	Decitabine impurity 11	43
C ₉ H ₁₃ NO ₅ S	(1R)-1-(3,4-Dihydroxyphenyl)-2-(methylamino)ethanesulfonic acid	14
C ₉ H ₁₄ CINOS	3-(Dimethylamino)-1-(2-thienyl)propanone hydrochloride	47
C ₉ H ₁₄ CINO ₂	(S)-Phenylephrine hydrochloride	91
C ₉ H ₁₄ N ₂ O ₂ S	Biotin impurity C	31
C ₉ H ₁₄ N ₄ O ₂ S ₂	3-[[[2-(Aminomethyl)amino]-4-thiazolyl]methyl]thio]propanoic acid methyl ester	53
C ₉ H ₁₅ NOS	3-(Dimethylamino)-1-(3-thienyl)propan-1-ol	47
	3-(Dimethylamino)-1-(2-thienyl)propan-1-ol	47
	(S)-3-(Dimethylamino)-1-(2-thienyl)propan-1-ol	47
C ₉ H ₁₆ N ₂ O ₂ SCl ₂	Biotin impurity C 2HCl	31
C ₉ H ₁₈ N ₂	(3-endo)-9-methyl-9-azabicyclo[3.3.1]nonan-3-amine	59
C ₉ H ₁₇ N ₅ S·2HCl	N-Methyl-N'-[2-[[5-methyl-1H-imidazol-4-yl]methyl]thio]guanidine dihydrochloride	39
C ₁₀ H ₆ N ₄ O ₆	5-Nitrofurazidine	77
C ₁₀ H ₇ F	1-Fluoronaphthalene	98
C ₁₀ H ₆ FNO ₂ S	5-(4-Fluorobenzyl)-2,4-thiazolidinedione	43
C ₁₀ H ₆ CINO ₃	Dechloro anagrelide	23
C ₁₀ H ₈ O ₃ S ₂	2-Hydroxy-2,2-bis(2-thienyl) acetic acid	123
C ₁₀ H ₅ Cl ₂ N ₃ O ₂	2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid	23
C ₁₀ H ₉ NO ₅ S	Methyl 4-hydroxy-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxide	94
	3-Oxo-1,2-benzisothiazoline-2-acetic acid methyl ester 1,1-dioxide	95
C ₁₀ H ₁₀ BrCl ₂ N ₃ O ₂	2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid hydrobromide	23
C ₁₀ H ₁₀ O ₄	2-(4-Formylphenyl)propionic acid - Racemic	60
C ₁₀ H ₁₀ O ₃	3-Carboxy-a-methyl-benzeneacetic acid	61
C ₁₀ H ₁₀ N ₂ O ₄	(5aS,10aS)-Tetrahydrodipyrrolo[1,2-a:1'-2'-d]pyrazine-3,5,8,10(2H,5aH)-tetraone	92
C ₁₀ H ₁₀ N ₂ O ₄ S	N-Acetyl zonisamide	133

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C₁₃H₁₈Br₂N₂O

Formula	Product Name	Page
C ₁₀ H ₁₀ N ₂ O ₅ S	4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide	94
C ₁₀ H ₁₁ NaO ₂	Sodium 4-phenylbutyrate	115
C ₁₀ H ₁₁ N ₃ O ₂ S	Albendazole impurity F	15
C ₁₀ H ₁₁ NO ₃	Acetaminophen acetate	13
C ₁₀ H ₁₂ N ₂ O ₄	2,5-Pyrazinedipropionic acid	18
C ₁₀ H ₁₃ N ₃ S	Amino albendazole	15
C ₁₀ H ₁₃ NO	2-Phenylbutylamide	97
C ₁₀ H ₁₃ NaO ₂ S	Amino albendazole sulfone	15
C ₁₀ H ₁₃ ClN ₂ O ₄	3'-Deoxy-3'-chlorothymidine	131
C ₁₀ H ₁₃ N ₅ O ₄	Acyclovir acetate	14
C ₁₀ H ₁₃ NO ₅ S	Ethyl 2-methoxy-5-sulfamoylbenzoate	118
C ₁₀ H ₁₄ N ₆ S ₄	Bis-[[2-(guanidino)-4-thiazolyl)methyl]disulfide	53
	Bis-[[2-[(diaminomethylene)amino]thiazol-4-yl)methyl]disulfide	53
C ₁₀ H ₁₄ O ₄	2,3,4-Trimethoxybenzyl alcohol	125
C ₁₀ H ₁₄ N ₂ O ₄	3,3'-(3,6-Dihydropyrazine-2,5-diyl)dipropionic acid	18
C ₁₀ H ₁₅ N ₅ S ₂	S-Methyl-N-cyano-N'-[2-[(5-methyl-1H-imidazol-4-yl)methylthio]ethyl]isothiourea	38
CaH ₁₃ NOS·C ₂ H ₂ O ₄	[5-[(Dimethylamino)methyl]furan-2-yl]methanethiol, oxalate	105
C ₁₀ H ₁₅ N·HCl	N-Methyl-3-phenylpropylamine hydrochloride	55
C ₁₀ H ₁₆ N ₆ S	Cimetidine	38
C ₁₀ H ₁₆ N ₆ OS	N-Cyano-N'-methyl-N''-[2-[(5-methyl-1H-imidazol-4-yl)methylsulphiny]ethyl]guanidine	38
C ₁₀ H ₁₈ NaS ₂	N,N''-(Dithia-2,1-ethanedyl)bis-(N'-cyano-N'-methyl)guanidine	38
C ₁₀ H ₁₈ N ₂ OS	[[5-[(2-Aminoethyl)thio]methyl]furan-2-yl)methyl]dimethylamine	104
C ₁₀ H ₁₈ N ₆ OS·2HCl	N-Carbamoyl-N'-methyl-N''-[2-[(5-methyl-1H-imidazol-4-yl)methylthio]ethyl]guanidine	37
C ₁₀ H ₂₂ O ₅ S ₃	Busulfan propyl mesylate	33
C ₁₁ H ₁₀ O ₅ S ₂	Methyl 2,2-dithienylglycolate	123
C ₁₁ H ₁₁ Cl ₂ N ₃ O ₂	Methyl 2-(2-amino-5,6-dichloro-4h-quinazolin-3-yl)acetate - HBr salt	24
C ₁₁ H ₁₁ NO ₅ S	4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic acid, ethyl ester 1,1-dioxide	94
	Methyl 4-hydroxy-2-methyl-(2H)-1,2-benzothiazine-3-carboxylate-1,1-dioxide	94
	3-Oxo-1,2-benzisothiazole-2(3H)-acetic acid ethyl ester 1,1-dioxide	94
C ₁₁ H ₁₂ N ₂ O	rac-2-Cyano-2-phenylbutanamide	97
C ₁₁ H ₁₂ O ₃	3-(4-Methylbenzoyl)propionic acid	132
C ₁₁ H ₁₂ N ₄ O ₅ S ₃	Cefazolin impurity A	34
C ₁₁ H ₁₂ O ₅	(4-Carboxy-3-ethoxy)phenyl acetic acid	106
C ₁₁ H ₁₄ ClNO	4-(4-Chlorophenyl)-4-hydroxypiperidine	69
C ₁₁ H ₁₄ O ₂	2-(4-Ethylphenyl)-propanoic acid - Racemic	59
C ₁₁ H ₁₄ Cl ₂ N ₂ O ₂	Ethyl 2-(6-amino-2,3-dichlorobenzyl)glycine	23
C ₁₁ H ₁₄ O ₃	Isopropyl 2-hydroxy-2-phenylacetate	97
C ₁₁ H ₁₆	(1,2-Dimethylpropyl)benzene	22
C ₁₁ H ₁₆ N ₂ O	3-Ethyl-2-methyl-6,7,8,9-tetrahydro-4H-pyridin-1,2-ajpyrimidin-4-one	109
C ₁₁ H ₁₇ NO	4-Methoxy-N,N-dimethyl-phenethylamine	128
C ₁₁ H ₁₇ NO ₂ ·HCl	3,4-Dimethoxy-N-methyl-benzeneethanamine hydrochloride	129
C ₁₁ H ₂₂ NO ₃ Cl	5-Aminolevulinic acid hexyl ester hydrochloride	17
C ₁₁ H ₂₂ N ₆ O ₄ S ₂	Bis-[[2-[1-methylamino-2-nitroethenyl]ethyl]thio]methane	105
C ₁₂ H ₉ BrN ₂ O	2-(2-Amino-5-bromobenzoyl)pyridine	32
C ₁₂ H ₉ F ₃ N ₂ O	N-[4-Cyano-3-(trifluoromethyl)phenyl]-2-methylacrylamide	31
C ₁₂ H ₉ F ₃ N ₂ O ₂	N-[4-Cyano-3-(trifluoromethyl)phenyl]-2-methylloxirane-2-carboxamide	31
C ₁₂ H ₁₁ NO	1-Phenyl-1-(2-pyridinyl)methanol	47
C ₁₂ H ₁₃ NO ₄	5-Benzamidelevulinic acid	18
C ₁₂ H ₁₃ NO ₅ S	3,4-Dihydro-4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid ethyl ester 1,1-dioxide	93
	4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid, ethyl ester 1,1-dioxide	94
	Saccharin N-(2-acetic acid isopropyl ester)	95
C ₁₂ H ₁₄ BrCl ₂ N ₂ O ₂	2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid ethyl ester hydrobromide	23

Formula	Product Name	Page
C ₁₂ H ₁₅ NO ₂	4-Phenylpyridine-4-carboxylic acid	91
C ₁₂ H ₁₅ N ₅ O ₃	Entecavir (1R,3R,4S) diastereomer	51
	Entecavir (1S,3S,4S) diastereomer	51
C ₁₂ H ₁₅ Na ₃ O ₃ S	Albendazole sulfoxide	15
C ₁₂ H ₁₆ N ₅ O ₄	2-Hydroxy-2,3-tetrahydrofuranlyl entecavir	51
C ₁₂ H ₁₅ N ₃ O ₄ S	Albendazole sulfone	15
C ₁₂ H ₁₅ N ₅ O ₅	2-Acetamido-7-[[2-(acetyloxy)ethoxy]methyl]-6,7-dihydro-1H-purin-6-one	14
	2-Acetamido-9-[[2-(acetyloxy)ethoxy]methyl]-6,9-dihydro-1H-purin-6-one	14
C ₁₂ H ₁₆ O ₂	2,6-Diisopropyl-1,4-benzoquinone	99
C ₁₂ H ₁₆ O ₃	3,4-Dimethoxyphenyl isopropyl ketone	130
C ₁₂ H ₁₆ N ₂ O ₄	Methyl-3-[5-(2-methoxycarbonyl)ethyl]pyrazin-2-yl]propionate	18
C ₁₂ H ₁₇ O ₄ P	4-Phenylbutyl 2-carboxyethylphosphonic acid	57
C ₁₂ H ₁₈	(1-Ethyl-1-methylpropyl)benzene	22
C ₁₂ H ₁₇ N·HCl	N-Methyl-4-phenylpiperidine	91
C ₁₂ H ₁₈ O	2-Isopropyl-6-propylphenol	99
C ₁₂ H ₁₈ ClNO ₂	N,N-Dimethylaminoethylphenylacetate hydrochloride	42
C ₁₂ H ₁₈ N ₂ O ₂	Ethyl 4-isopropenyl-2-propylimidazole-5-carboxylate	80
C ₁₂ H ₁₈ O ₄	3-[4-(2-Methoxyethyl)phenoxy]-1,2-propanediol	73
C ₁₂ H ₁₈ N ₂ O ₄	Diethyl 2-propylimidazole-4,5-dicarboxylate	80
C ₁₂ H ₁₈ N ₃ O ₃ SNa	N-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]ethyl]-2-nitroacetamide sodium salt	106
C ₁₂ H ₁₉ Br	1-Bromo-3,5-dimethyladamantane	71
C ₁₂ H ₁₉ NO ₂	1-[[1-(Methyl)ethyl]amino]-3-phenoxy-2-propanol	73
C ₈ H ₁₅ N ₇ O ₃ S ₃ ·C ₆ H ₆ O ₄	N-(Aminosulphonyl)-2-[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methylsulphonyl]propanimidamide, maleate	53
C ₁₂ H ₁₉ NO ₂ ·HCl	3,4-Dimethoxy-N,N-dimethyl-benzeneethanamine hydrochloride	129
C ₁₂ H ₂₁ NO	N-Methyl-N-(3-chloropropyl)homoveratrylamine	131
C ₁₂ H ₂₂ ClNO	Mernantine impurity IV	71
C ₁₂ H ₂₂ ClNO	7-Hydroxymernantine hydrochloride	71
C ₁₃ H ₉ Cl ₂ NO	Diclofenac impurity B	44
C ₁₃ H ₉ ClFNO ₃	Ciprofloxacin impurity A	40
C ₁₃ H ₉ F ₂ NO ₄	Levofloxacin carboxylic acid	66
C ₁₃ H ₁₀ F ₃ N	N-(3-Trifluoromethylphenyl)-phenylamine	52
C ₁₃ H ₁₀ N ₂ O ₄	Olsalazine sodium impurity C	82
C ₁₃ H ₁₁ Cl ₂ NO	Diclofenac alcohol	44
C ₁₃ H ₁₁ N ₃ O ₆ S	Cefdinir impurity F	34
C ₁₃ H ₁₂ O ₂	6'-Methoxy-2'-acetoneaphthone	76
C ₁₃ H ₁₂ Cl ₂ F ₃ N ₃ O ₅	N-(5,6-Dichloro-1,4-dihydro-2-quinazolinyl)-2,3-dihydroxypropanamide 2,2,2-trifluoroacetate	23
C ₁₃ H ₁₃ NO	1-Phenyl-1-(pyridin-4-yl)ethanol	47
C ₁₃ H ₁₃ NO ₅	Ethyl 2-(3-nitrobenzylidene) acetoacetate	78
C ₁₃ H ₁₃ NO·HCl	1-Phenyl-1-(2-pyridinyl)ethanol hydrochloride	47
C ₁₃ H ₁₄ O ₂	(1R,S)-1-(6-Methoxy-2-naphthyl)ethanol	77
C ₁₃ H ₁₅ F ₃ O ₂	Fluvoxketone	56
C ₁₃ H ₁₅ NO ₂	N,N-Dimethyl-2-ene-3-(4-methylbenzoyl)-propionamide	132
C ₁₃ H ₁₅ NO ₃	Brexiprazole impurity 11	32
C ₁₃ H ₁₅ NO ₆	N-Succinyl-L-tyrosine	41
C ₁₃ H ₁₆ BrNO ₂	3-Bromo-N,N-dimethyl-3-(4-methylbenzoyl)propionamide	132
C ₁₃ H ₁₆ O ₃	2-[4-(2-Methylpropanoyl)phenyl] propanoic acid, racemic	60
C ₁₃ H ₁₅ N ₅ O ₄ S ₂ ·2HCl	(Z)-2-(2-Aminothiazol-4-yl)-2-(hydroxyimino)-N-(((2RS,5RS)-5-methyl-7-oxo-2,4,5,7-tetrahydro-1H-furo[3,4-d][1,3]thiazin-2-yl)methyl)acetamide dihydrochloride - >80%, Mixture of Diastereomers	34
C ₁₃ H ₁₆ O ₅	2-Deoxy-5-O-toluoyl-D-ribofuranose	43
C ₁₃ H ₁₆ Br ₂ N ₂ O·HCl	Amroxol hydrochloride impurity C	17
C ₁₃ H ₁₇ NO ₂	N,N-Dimethyl-3-(4-methylbenzoyl)propionamide	132
	3,4-Dimethoxy-a-(1-methylethyl)benzeneacetoneitrile	129
C ₁₃ H ₁₇ NO ₄	Amoxicillin trihydrate impurity H	22
C ₁₃ H ₁₈ Br ₂ N ₂ O	cis-4-[[2-(Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol	17

Formula	Product Name	Page
C ₁₃ H ₁₈ O ₂	2-(4-Butylphenyl)propionic acid, racemic	59
C ₁₃ H ₁₇ NO ₂ ·HCl	1-Methyl-4-phenylpiperidine-4-carboxylic acid hydrochloride	91
C ₁₃ H ₁₈ O ₃	1-Hydroxy-ibuprofen - Mixture of diastereoisomers	60
C ₁₃ H ₁₉ NO	rac-Ibuprofen amide	60
C ₁₃ H ₁₉ N ₃ O ₅ S	NMP-ACA (cefepime impurity)	35
C ₁₃ H ₂₂ N ₄ O ₄ S	N-[2-[[[5-(Dimethylamino)methyl]-2-furanyl]thio]ethyl]-N-methyl-2-nitro-2,2-ethandiamine, S-oxide	106
C ₁₃ H ₂₃ NO ₄	cis-4-[[[(1,1-Dimethylethoxy)carbonyl]amino]methyl]-cyclohexanecarboxylic acid	124
C ₁₄ H ₉ Cl ₂ NO	4,8-Dichloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-one	69
C ₁₄ H ₉ Cl ₂ NO ₂	Chlorthalidone impurity G	37
C ₁₄ H ₉ ClN ₂ O ₅	Olsalazine sodium impurity D	82
C ₁₄ H ₁₀ Cl ₂ N ₂	N,N'-Bis(4-chlorobenzylidene)hydrazine	111
C ₁₄ H ₁₀ ClNO	1-(6-Chloro-9H-carbazol-2-yl)ethanone	34
C ₁₄ H ₁₀ BrClNNaO ₂	Diclofenac monobromo impurity, sodium salt	45
C ₁₄ H ₁₀ ClNO ₅ S	Chlorthalidone impurity A	37
C ₁₄ H ₁₀ N ₂ O ₆	Olsalazine sodium impurity B	82
C ₁₄ H ₁₁ BrO ₂	4-(Bromomethyl)-[1,1'-biphenyl]-2-carboxylic acid	119
C ₁₄ H ₁₁ ClN ₂ O ₃ S	Chlorthalidone impurity E	37
C ₁₄ H ₁₁ N ₃ O ₄ S	4-Hydroxy-N-2-pyridinyl-2H-1,2-benzothiazine-3-carboxamide-1,1-dioxide	94
C ₁₄ H ₁₂ ClN ₃ S	2-[[[4-Chloro-3-methyl-2-pyridinyl]methylthio]-1H-benzimidazole	102
C ₁₄ H ₁₂ BrNO	4-(Bromomethyl)-[1,1'-biphenyl]-2-carboxamide	119
C ₁₄ H ₁₂ ClN ₃ OS	2-[[[4-Chloro-3-methyl-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole	64
C ₁₄ H ₁₂ NaO ₃	Pterotic acid	57
C ₁₄ H ₁₃ F ₃ N ₂ O ₆ S	N-Hydroxy riluzole N-b-D-glucuronide	108
C ₁₄ H ₁₄ N ₂ O	N-Hydroxy riluzole O-b-D-glucuronide	108
C ₁₄ H ₁₄ N ₂ O ₄	4-Methyl-N-(5-methyl-2-pyridinyl)benzamide	133
C ₁₄ H ₁₄ N ₂ O ₄	1,4-Di-2-furoylpiperazine	121
C ₁₄ H ₁₅ NO ₅	Isopropyl 2-(3-nitrobenzylidene)acetoacetate	78
C ₁₄ H ₁₅ N ₃ O ₆ S ₂	Cefotaxime sodium impurity B	35
C ₁₄ H ₁₆ N ₄ O ₅ S	Cefdinir impurity H	34
C ₁₄ H ₁₆ N ₄ O ₅ S	N4-Acetyl sulfadoxine	116
C ₁₄ H ₁₇ N ₅ O ₂	N-(4-Amino-6,7-dimethoxyquinazol-2-yl)-N-methylpropylenediamine formamide hydrochloride	16
C ₁₄ H ₁₇ FN ₂ O ₄	3-(3-Fluoro-4-(4-morpholinyl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one	67
C ₁₄ H ₁₇ FN ₂ O ₄	(R)-3-(3-Fluoro-4-(4-morpholinyl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one	68
C ₁₄ H ₁₈ FN ₃ O ₃	(5S)-5-(Aminomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-1,3-oxazolidin-2-one	66
C ₁₄ H ₁₈ N ₂ O ₄	3-(4-(4-Morpholinyl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one	68
C ₁₄ H ₁₈ l ₃ N ₃ O ₆	5-Amino-N,N'-bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-1,3-benzenedicarboxamide - EP	60
C ₁₄ H ₁₉ Br ₂ ClN ₂ O	Ambroxol hydrochloride impurity B	17
C ₁₄ H ₁₉ F ₃ O ₂	3-(3-Trifluoromethylphenyl)propionaldehyde diethylacetal	40
C ₁₄ H ₁₉ F ₃ N ₂ O ₂	Desmethyl fluvoxamine - EP	56
C ₁₄ H ₁₉ N ₃ O ₆	N,N'-Bis(2,3-dihydroxypropyl)-5-nitro-1,3-benzenedicarboxamide	60
C ₁₄ H ₁₉ NO ₂ ·HCl	Methyl 1-methyl-4-phenylpiperidine-4-carboxylate hydrochloride	91
C ₁₄ H ₂₀ N ₂ O ₂	N-Desmethyl 3-hydroxy mepivacaine	71
C ₁₄ H ₂₁ NO ₂	4-tert-Butyl-2,6-dimethyl-3-hydroxyphenylacetamide	86
C ₁₄ H ₂₁ NO ₃	Ethyl 3-(dimethylamino)-2-(4-methoxyphenyl)propanoate	128
C ₁₄ H ₂₁ N ₃ O ₅ Si	4-Dehydroxy-4-dimethylhydroxysilyl entecavir	50
C ₁₄ H ₂₁ N ₃ O ₄ S	(RS)-N-[(1-Ethylpyrrolidin-2-yl)methyl]-2-hydroxy-5-sulphamoylbenzamide	118
C ₁₄ H ₂₂ N ₂ O ₃	1-[[[2,4,5-Trimethoxyphenyl]methyl]piperazine dihydrochloride	126
C ₁₄ H ₂₂ N ₂ O ₃	1-(2,3,4-Trimethoxybenzyl)piperazine	125

Formula	Product Name	Page
C ₁₄ H ₂₂ N ₂ O ₃	1-(2,4,5-Trimethoxybenzyl)piperazine	125
C ₁₄ H ₂₂ N ₂ O ₃	1-(3,4,5-Trimethoxybenzyl)piperazine	125
C ₁₄ H ₂₂ N ₂ O ₃	1-[[[2,4,6-Trimethoxyphenyl]methyl]piperazine	125
C ₁₄ H ₂₂ N ₂ O ₄	rac-N-Desbutyrol acebutolol	12
C ₁₄ H ₂₂ N ₂ O ₄	1,4-Bis[(tetrahydro-2-furanyl)carbonyl]piperazine	121
C ₁₀ H ₁₈ N ₂ O ₅ ·2C ₄ H ₄ O ₄	[[5-[[[2-Aminoethyl]thio]methyl]furan-2-yl]methyl]dimethylamine, hemifumarate	104
C ₁₄ H ₂₃ NO	N-Acetylmepantine	71
C ₁₄ H ₂₂ N ₂ O ₃ ·2HCl	1-(2,4,6-Trimethoxybenzyl)piperazine dihydrochloride	126
C ₁₄ H ₂₄ Cl ₂ N ₂ O ₃	1-(3,4,5-Trimethoxybenzyl)piperazine dihydrochloride	126
C ₁₅ H ₈ Cl ₂ N ₂ O	6-Chloro-4-(2-chlorophenyl)-2-quinazolinecarboxaldehyde	69
C ₁₅ H ₈ Cl ₂ N ₂ O ₂	6-Chloro-4-(2-chlorophenyl)-2-quinazolinecarboxylic acid	70
C ₁₅ H ₁₂ O	Dibenzosuberone	20
C ₁₅ H ₁₂ O ₂	(R)-2-Phenylchroman-4-one	99
C ₁₅ H ₁₂ F ₃ NO ₂	Methyl 2-[[3-trifluoromethyl]phenyl]amino]benzoate	52
C ₁₅ H ₁₂ BrO ₃ N	5-Benzoyl-7-bromo-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid - Racemic	61
C ₁₅ H ₁₂ N ₂ O ₆	Olsalazine sodium impurity A	82
C ₁₅ H ₁₂ N ₂ O ₆ S	Olsalazine sodium impurity E	82
C ₁₅ H ₁₃ NO ₃	6-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid, racemic	62
C ₁₅ H ₁₃ O ₃ N	5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid - Racemic	62
C ₁₅ H ₁₄ Cl ₃ N ₅	1,3-Bis[(p-chlorobenzylidene)amino]guanidine hydrochloride	111
C ₁₅ H ₁₄ O ₂	2-Hydroxy-3-phenylpropiofenone	99
C ₁₅ H ₁₅ N	1-Phenyl-1,2,3,4-tetrahydro-isoquinoline	116
C ₁₅ H ₁₅ N	(1S)-1-Phenyl-1,2,3,4-tetrahydroisoquinoline	116
C ₁₅ H ₁₅ N	(R)-1-Phenyl-1,2,3,4-tetrahydroisoquinoline	116
C ₁₅ H ₁₅ NO	N-(2-Phenethyl)benzamide	116
C ₁₅ H ₁₅ ClN ₂ O	N-[4-Chloro-2-(phenylamino)phenyl]-N-methylacetamide	42
C ₁₅ H ₁₅ N ₃ O ₂ S ₂	2-[[[3-Methyl-4-(methylthio)-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole	103
C ₁₅ H ₁₅ N ₇ O ₂	4-[[[2,4-Diamino-6-pteridinyl]methyl]methylamino]benzoic acid	72
C ₁₅ H ₁₅ N ₃ O ₂ S	2-[[[4-Methoxy-3-methyl-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole	102
C ₁₅ H ₁₅ N ₃ O ₄ S	2-[[[3,4-Dimethoxy-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazol-6-ol	89
C ₁₅ H ₁₅ N ₃ O ₄ S ₂	Amido methyl meloxicam	71
C ₁₅ H ₁₆ Br ₂ N ₂	a,a,a',a'-Tetramethyl-5-(dibromomethyl)-1,3-benzenediacetonitrile	25
C ₁₅ H ₁₆ FN ₃ O ₃	Desethylene Ciprofloxacin hydrochloride	41
C ₁₅ H ₁₆ Cl ₂ N ₆ O ₈ S ₄	N-[[[7-(Aminosulfonyl)-6-chloro-2,3-dihydro-1,1-dioxido-4H-1,2,4-benzothiadiazin-4-yl]methyl]-6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamidehydrochlorothiazide 1,1-dioxide	59
C ₁₅ H ₁₇ BrN ₂	α,α,α',α'-Tetramethyl-5-bromomethyl-1,3-benzenediacetonitrile	24
C ₁₅ H ₁₉ N ₅ O ₃	4-(4-Amino-6,7-dimethoxy-2-quinazolyl)-1-piperazinecarboxaldehyde	120
C ₁₅ H ₁₉ NO ₄	3'-Acetyl-4-(2,3-epoxypropoxy)butyraniolide	12
C ₁₅ H ₁₉ FN ₂ O ₆ S	(R)-3-(3-Fluoro-4-morpholin-4-ylphenyl)-2-oxo-5-oxazolidinyl)methyl methansulfonate	68
C ₁₅ H ₂₀ O ₃	2-[[4-[2-(Cyclopropylmethoxy)ethyl]phenoxy]methyl]oxirane	30
C ₁₅ H ₂₁ F ₃ N ₂ O ₂	(Z)-Fluvoxamine - EP	56
C ₁₅ H ₂₁ NO ₅	rac-Des[(isopropylamino) acebutolol diol	12
C ₁₅ H ₂₂ N ₂ O ₂	Bis-[5-[[[dimethylamino)methyl]furan-2-yl]methane	105
C ₁₅ H ₂₂ O ₃	3-Hydroxy mepivacaine	72
C ₁₅ H ₂₂ O ₃	4-Hydroxy mepivacaine	72
C ₁₅ H ₂₂ O ₃	iso-Gemfibrozil	58
C ₁₅ H ₂₂ FN ₃ O ₃	N-[[[2(R)-3-[[3-Fluoro-4-(4-morpholinyl)phenyl]amino]-2-hydroxypropyl]acetamide	67

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C₁₇H₂₀N₄O₅

Formula	Product Name	Page
C ₁₅ H ₂₂ O ₆	3,4-Bis(2-methoxyethoxy)benzoic acid ethyl ester	51
C ₁₅ H ₂₃ NO ₂	1-[2-Amino-1-(4-methoxyphenyl)ethyl]-cyclohexanol	128
C ₁₅ H ₂₂ N ₂ O ₄ ·HCl	4-(2,3,4-Trimethoxybenzyl)piperazine-1-carbaldehyde hydrochloride	126
C ₁₅ H ₂₄ N ₂ O ₃	1-Methyl-4-(3,4,5-trimethoxybenzyl)piperazine	125
C ₁₅ H ₂₄ N ₂ O ₃ ·2HCl	1-(2,3,4-Trimethoxybenzyl)-4-methylpiperazine	126
C ₁₆ H ₉ Cl ₄ N ₅ O	N-[5-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-3-yl]-2-dichlorobenzamide	63
C ₁₆ H ₁₂ F ₆ N ₄ O ₂	Sitagliptin keto amide impurity	115
C ₁₆ H ₁₃ N ₃ O ₂ S	2,12-Dihydro-1,3-dimethyl-8-methoxy-12-thioxobenzo [4,5] pyrido [1,2-c] imidazo [1,2-a] imidazol-2-one	83
	2,12-Dihydro-1,3-dimethyl-9-methoxy-12-thioxobenzo [4,5] pyrido [1,2-c] imidazo [1,2-a] imidazol-2-one	83
	8(9)-Methoxy-1,3-dimethyl-12-thioxopyrido[1',2':3,4]imidazo[1,2-a]benzimidazol-2-(12H)-one - (mixture of regioisomers)	83
C ₁₆ H ₁₃ Cl ₂ NO ₅	4-Hydroxy aceclofenac	13
C ₁₆ H ₁₄ F ₃ N ₃ OS	Lansoprazole sulfide - EP	64
C ₁₆ H ₁₄ O ₂	6-Methyl-4-phenyl-3,4-dihydro-1-benzopyran-2-one	124
C ₁₆ H ₁₄ F ₆ N ₄ O ₂	Sitagliptin hydroxy amide impurity	114
C ₁₆ H ₁₄ F ₃ NO ₃	2-[[3-(Trifluoromethyl)phenyl]amino] benzoic acid	52
C ₁₆ H ₁₄ F ₃ N ₃ O ₃ S	Lansoprazole N-oxide	64
	Lansoprazole sulfone - EP	64
C ₁₆ H ₁₄ F ₂ N ₃ NaO ₄ S	5-Difluoromethoxy-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole sodium salt	88
C ₁₆ H ₁₄ F ₂ Na ₃ NaO ₄ S·1.5H ₂ O	5-Difluoromethoxy-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole sodium salt sesquihydrate	88
C ₁₆ H ₁₅ ClO ₂	(4-Chlorophenyl)[4-(1-methylethoxy)phenyl]methanone	54
C ₁₆ H ₁₅ NO ₂	Brexpirazole impurity 10	32
C ₁₆ H ₁₅ O ₃ N	Methyl 5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylate, racemic	62
C ₁₆ H ₁₅ F ₂ N ₃ O ₃ S	5-Difluoromethoxy-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole	89
C ₁₆ H ₁₅ F ₂ N ₃ O ₄ S	5-Difluoromethoxy-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole	89
	Pantoprazole sulfide N-oxide	89
C ₁₆ H ₁₅ F ₂ N ₃ O ₅ S	6-(Difluoromethoxy)-2-[[[3,4-dimethoxy-1-oxido-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole	88
	5-Difluoromethoxy-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole	89
C ₁₆ H ₁₅ F ₂ N ₃ O ₅ S·Na	5-Difluoromethoxy-2-[[[3,4-dimethoxy-1-oxidepyridin-2-yl)methyl]sulphonyl]-1H-benzimidazole sodium salt	88
C ₁₆ H ₁₅ F ₂ N ₃ O ₆ S	6-(Difluoromethoxy)-2-[[[3,4-dimethoxy-1-oxido-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole	88
C ₁₆ H ₁₆ ClN ₃ O ₂ S	5-Methoxy-2-[[[4-Chloro-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-5-methoxy-1H-benzimidazole	83
C ₁₆ H ₁₆ N ₅ O ₇ S ₂ Na	Cefotaxime sodium impurity D	35
C ₁₆ H ₁₇ N ₅	α-Desmethyl anastrozole	24
C ₁₆ H ₁₇ N ₃ OS	4-Desmethoxy omeprazole sulfide	83
C ₁₆ H ₁₇ N ₃ O ₂ S	5-Methoxy-2-[[[3,5-dimethyl-2-pyridinyl)methyl]sulphonyl]-1H-benzimidazole	83
C ₁₆ H ₁₈ FN ₃ O	Decarboxy ciprofloxacin	41
C ₁₆ H ₁₈ O ₂	2-Hydroxy-5-methyl-gamma-phenylbenzenepropanol	123
C ₁₆ H ₁₈ ClNO ₂	rac-Benzyl phenylephrine hydrochloride	91
C ₁₆ H ₁₉ NO ₃	N-Desmethyl galanthamine	57
C ₁₆ H ₁₉ FN ₂ O ₅	((5R)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-1,3-oxazolidin-5-yl)methyl acetate	68
C ₁₆ H ₁₉ N ₃ O ₅ S	Amoxicillin trihydrate impurity C	22
C ₁₆ H ₂₀ N ₂ O	N,N-Dimethyl-2-(1-phenyl-1-(pyridin-2-yl)methoxy)ethanamine	47

Formula	Product Name	Page
C ₁₆ H ₂₀ FN ₃ O ₄	N-(((5R)-3-(3-Fluoro-4-(4-morpholinyl)phenyl)-2-oxo-5-oxazolidinyl)methyl) acetamide	68
	N-((-3-(3-Fluoro-4-(4-morpholinyl)phenyl)-2-oxo-5-oxazolidinyl)methyl) acetamide	68
C ₁₆ H ₂₀ I ₃ N ₅ O ₈	5-[[[Hydroxyacetyl]amino]-N,N'-bis [2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-1,3-benzenedicarboxamide - EP	61
C ₁₆ H ₂₁ N ₃ O ₄	N-(((5S)-3-(4-(4-Morpholinyl)phenyl)-2-oxo-5-oxazolidinyl)methyl) acetamide	69
C ₁₆ H ₂₃ N ₁₁ O ₂ S ₅	3,5-Bis[2-[[[2-[[[aminoiminomethyl]amino]thiazol-4-yl]methyl]sulphonyl]ethyl]-4H-1,2,4,6-thiazotriazine-1,1-dioxide	53
C ₁₆ H ₂₄ ClN ₉	Chlorhexidine diacetate impurity A	36
C ₁₆ H ₂₄ NaS ₂	Cimetidine impurity F	38
C ₁₆ H ₂₄ ClNO ₂	Ethyl(N-ethyl-4-phenylpiperidine-4-carboxylate) hydrochloride	90
C ₁₆ H ₂₃ NO ₂ ·HCl	2-Propyl(1-methyl-4-phenylpiperidine-4-carboxylate) hydrochloride	91
C ₁₆ H ₂₄ N ₂ O ₄	rac-Diacetolol	12
C ₁₆ H ₂₅ NO ₄	4-Cyclohexyl-1-(1,3 dioxopentyl)-L-proline	57
C ₁₆ H ₂₆	1,3-bis(1,1-Dimethylpropyl)benzene	22
C ₁₆ H ₂₅ NO ₂ ·HCl	1-[1-(4-Methoxyphenyl)-2-(methylamino)ethyl]-cyclohexanol hydrochloride	129
C ₁₆ H ₂₇ NO ₄	trans-trans-4,4'-Iminodimethylenedi(cyclohexanecarboxylic acid)	124
C ₁₆ H ₂₈ Cl ₃ N ₉ O	Chlorhexidine dihydrochloride impurity B	37
C ₁₇ H ₁₄ N ₄ O ₃ S	2-[[4-(2-Pyridyl)sulfamoyl]phenyl]azo]hydroxybenzene	117
C ₁₇ H ₁₅ Cl ₂ N ₃ O ₂	2-Amino-5,6-dichloro-3(4H)-quinazoline acetic acid benzyl ester hydrobromide	23
C ₁₇ H ₁₅ ClO ₃	3-[4-(4-Chlorobenzoyl)phenoxy]-2-butanone	54
C ₁₇ H ₁₅ NO ₃	5,6-Dimethoxy-2-(4-pyridylmethylene)-1-indanone	46
C ₁₇ H ₁₅ Cl ₂ NO ₄	Aceclofenac methyl ester	13
C ₁₇ H ₁₅ NaO ₆	Balsalazide 3-isomer	29
C ₁₇ H ₁₆ BrClO ₂	(3S)-3-[4-[(5-Bromo-2-chlorophenyl)methyl]phenoxy]tetrahydro-furan	50
C ₁₇ H ₁₆ N ₂ O ₂	6-Methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridine-3-acetic acid	132
C ₁₇ H ₁₇ N ₃ S	11-Benzyl-1-yl-dibenzo[b,f][1,4]thiazepine	102
C ₁₇ H ₁₇ NaO	1-Oxo mirtazapine	73
	10-Oxo mirtazapine	74
C ₁₇ H ₁₇ O ₃ N	Ethyl(5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylate, racemic	62
C ₁₇ H ₁₇ ClN ₂ O ₃	Methyl 3-[[4-Chloro-2-(phenylamino)phenyl]methylamino]-3-oxopropanoate	42
C ₁₇ H ₁₇ ClN ₂ O ₄ S	Chlorthaldione impurity H	37
C ₁₇ H ₁₇ F ₂ N ₃ O ₄ S	5- and 6-Difluoromethoxy-2-(((3,4-dimethoxy-2-pyridinyl)methyl)sulfinyl)-1-methyl benzimidazole	88
C ₁₇ H ₁₇ N ₅ O ₅ S ₂	Cefotaxime sodium impurity C	35
C ₁₇ H ₁₈ Na ₃ NaO ₅ S	5-Methoxy-2-((S)-((4-methoxy-3,5-dimethyl-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazole sodium salt	51
C ₁₇ H ₁₈ N ₂ O ₆	1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinecarboxylic acid dimethyl ester	77
C ₁₇ H ₁₈ F ₃ NO·HCl	(+/-)N-Methyl-γ-[3-(trifluoromethyl)-phenoxy]benzenepropanamine hydrochloride	56
C ₁₇ H ₁₉ N ₃ O	Mirtazapine N-oxide	73
C ₁₇ H ₁₉ N ₃ O ₂ S	5-Methoxy-2-[[[4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]thio]-1H-benzimidazole	84
C ₁₇ H ₁₈ ClN ₃ O ₂ ·HCl	Ciprofloxacin impurity D hydrochloride	41
C ₁₇ H ₁₉ N ₃ O ₃ S	5-Methoxy-2-[[[4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole N-oxide	83
	5-Methoxy-2-[[[4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfonyl]-1H-benzimidazole	84
C ₁₇ H ₁₉ ClN ₂ O ₅	3-O-Desethyl 5-O-desmethyl amlodipine	20
C ₁₇ H ₁₉ N ₃ O ₅ S	5-Methoxy-2-[[[4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulphonyl]-1H-benzimidazole N-oxide	84
C ₁₇ H ₁₉ NO·HCl	3-[Methyl(phenylmethyl)amino]-1-phenyl-1-propanone hydrochloride	55
C ₁₇ H ₂₀ N ₄ O ₅	Olanzapine N-oxide	80

Formula	Product Name	Page
C ₁₇ H ₂₀ N ₄ O ₅	Olanzapine thiolactam impurity	80
C ₁₇ H ₂₀ O ₂	2-Methoxy-5-methyl-gamma-phenylbenzeneopropanol	123
C ₁₇ H ₂₀ N ₄ O ₂	Olanzapine ketolactam	79
C ₁₇ H ₂₀ N ₄ O ₂ S	Olanzapine acetoxymethylene	79
C ₁₇ H ₁₉ N ₃ O ₃ ·HCl	Desfluoro ciprofloxacin hydrochloride	41
C ₁₇ H ₂₀ O ₆	Mycophenolic acid lactone - EP	76
C ₁₇ H ₂₁ NO	(R,S)-N-Methyl 3-benzylamino-1-phenyl-1-propanol	55
C ₁₇ H ₂₁ NO ₃	5,6-Dimethoxy-2-(4-piperidinyl)methyleneindan-1-one (donepezil impurity)	46
C ₁₇ H ₂₂ N ₂ O	N,N-Dimethyl-2-(1-phenyl-1-(pyridin-4-yl)ethoxy)ethanamine	46
C ₁₇ H ₂₂ N ₄ O	1-Desmethyl granisetron	58
C ₁₇ H ₂₂ N ₄ O	9'-Desmethyl granisetron	58
C ₁₇ H ₂₃ N ₃ O ₂ S	3,4-Dihydro naratriptan	77
C ₁₇ H ₂₅ NO	b-1-Cyclohexen-1-yl-4-methoxy-N,N-dimethylbenzeneethanamine	128
C ₁₇ H ₂₅ NO ₂	5-(4-Methoxyphenyl)-3-methyl-1-oxa-3-azaspiro[5.5]undecane	129
C ₁₇ H ₂₆ N ₂ O ₂	1-Isopropyl-1-N-methylpropylamino-(3,4-dimethoxyphenyl)acetone nitrile	130
C ₁₇ H ₂₆ ClNO ₃	N,N-Dimethylaminoethyl-a-(1-Hydroxycyclopentyl)phenylacetate hydrochloride	42
C ₁₇ H ₂₆ N ₂ O ₄	rac-N-Desisopropyl-N-ethyl acebutolol	12
C ₁₇ H ₂₆ N ₂ O ₅	4-[(2,3,4-Trimethoxyphenyl)methyl]-1-piperazinecarboxylic acid ethyl ester	125
C ₁₇ H ₂₇ NO	2-Cyclohexyl-2-(4-methoxyphenyl)-N,N-dimethylethanamine	128
C ₁₈ H ₁₄ F ₄ N ₂ O ₂ S	Bicalutamide sulfide	30
C ₁₈ H ₁₄ F ₄ N ₂ O ₂ S	N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)thio]-2-hydroxy-2-methylpropanamide	31
C ₁₈ H ₁₄ N ₄ O ₃	2-Hydroxy-5-[2-[4-(2-imino-1(2H)-pyridinyl)phenyl]diazenyl]-benzoic acid	117
C ₁₈ H ₁₄ F ₄ N ₂ O ₂ S	N-[4-Amido-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)-(R,S)-sulphinyl]-2-hydroxy-2-methylpropanamide	30
C ₁₈ H ₁₄ F ₄ N ₂ O ₄ S	N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulfinyl]-2-hydroxy-2-methylpropanamide	31
C ₁₈ H ₁₄ N ₄ O ₅ S	3-[[p-(2-Pyridylsulfamoyl)phenyl]azo]salicylic acid	117
C ₁₈ H ₁₅ Cl ₂ NO ₆	2-[(2,6-Dichlorophenyl)amino]benzeneacetic Acid 2-(carboxymethoxy)-2-oxoethyl ester	13
C ₁₈ H ₁₆ I ₂ O ₃	Amiodarone impurity D	18
C ₁₈ H ₁₆ F ₄ N ₂ O ₅ S	N-[4-Amido-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulphinyl]-2-hydroxy-2-methylpropanamide	30
C ₁₈ H ₁₇ Cl ₂ NO ₄	Aceclofenac ethyl ester	13
C ₁₈ H ₁₈ N ₄	7-Methyl-2-propyl-2,5-bi-1H-benzimidazole	120
C ₁₈ H ₁₈ O ₃	2'-(2,3-Epoxypropoxy)-3-phenylpropionophenone	98
C ₁₈ H ₁₈ N ₂ O ₆	2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid ethyl methyl ester	77
C ₁₈ H ₁₉ NOS	2-(N-Methyl-propanamine)-3-(2-naphthyl)thiophene	48
C ₁₈ H ₁₉ NO ₂	Ethyl (S)-1-phenyl-1,2,3,4-tetrahydro-2-isoquinolinecarboxylate	115
C ₁₈ H ₁₉ ClO ₃	1-[2-(3-Chloro-2-hydroxypropoxy)phenyl]-3-phenyl-1-propanone	98
C ₁₈ H ₁₉ NO ₃ S ₂	(1R,3S,5S)-8-Methyl-8-azabicyclo[3.2.1]oct-6-en-3-yl-2'-hydroxy-2',2'-di(thiophen-2'-yl)acetate	123
C ₁₈ H ₁₉ NO ₄ S ₂	Scopine-2,2-dithienyl glycolate	123
C ₁₈ H ₁₉ N ₃ O ₅	Des[2-[(2-hydroxyethyl)amino]ethyl]mitoxantrone	74
C ₁₈ H ₁₉ NOS·HCl	(S)-N-Methyl-3-(1-naphthalenyloxy)-3-(2-thienyl)propanamine hydrochloride	48
C ₁₈ H ₁₉ NOS·HCl	N-Methyl-3-(4-naphthol)-3-(2-thienyl)propanamine hydrochloride	48
C ₁₈ H ₂₀ N ₃ O ₃ SnA	2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole sodium salt	103
C ₁₈ H ₂₀ O ₄	1-[2-(2,3-Dihydroxypropoxy)phenyl]-3-phenyl-1-propanone	98

Formula	Product Name	Page
C ₁₈ H ₂₀ N ₂ O ₆	(RS)-Methyl ethyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate	79
C ₁₈ H ₂₁ NO ₂	1-Benzyl-4-phenylpiperidine-4-carboxylic acid	90
C ₁₈ H ₂₁ N ₃ O ₂ S	2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]thio]-1H-benzimidazole	103
C ₁₈ H ₂₁ F ₂ N ₃ O ₃ S	2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole	103
C ₁₈ H ₂₁ ClN ₂ O ₅	5-O-Desethyl amlodipine	20
C ₁₈ H ₂₂ N ₂ O ₅ S	a-(Aminocarbonyl)-4-[2-(5-ethyl-2-pyridinyl)ethoxy]benzeneethanesulfonic acid	92
C ₁₈ H ₂₂ O ₆	Methyl mycophenolate - EP	76
C ₁₈ H ₂₃ N ₅ O ₄	[4-(4-Amino-6-hydroxy-7-methoxy-2-quinazolinyl)-1-piperazinyl](tetrahydro-2-furanyl)-methanone	121
C ₁₈ H ₂₃ N ₅ O ₄	[4-(4-Amino-7-hydroxy-6-methoxy-2-quinazolinyl)-1-piperazinyl](tetrahydro-2-furanyl)-methanone	121
C ₁₈ H ₂₄ N ₄ O	1-Desmethyl 2-methyl granisetron	59
C ₁₈ H ₂₄ N ₂ O ₅	Enalapril maleate impurity C	50
C ₁₈ H ₂₆ FN ₃ O ₃	5-((tert-Butylamino)methyl)-3-(3-fluoro-(2-morpholinyl)phenyl)oxazolidin-2-one	66
C ₁₈ H ₂₆ N ₂ O ₂	(S)-5-((tert-Butylamino)methyl)-3-(3-fluoro-(4-morpholinyl)phenyl)oxazolidin-2-one	67
C ₁₈ H ₂₈ O ₆	Des(2-methylbutyl) pravastatin	95
C ₁₈ H ₂₉ NO ₅	Keto bisoprolol	31
C ₁₈ H ₃₄ ClN ₂ O ₃ PS	(2S-trans)-Methyl 7-chloro-6,7,8-trideoxy-6-[[[(1-methyl-4-propyl-2-pyrrolidinyl)carbonyl]amino]-1-thio-L-threo-a-D-galacto-octopyranoside 3 and 4-phosphate	42
C ₁₉ H ₁₆ O	Triphenylmethanol	131
C ₁₉ H ₁₆ I ₂ O ₃	2-Butyl-3-(3,5-diiodo-4-hydroxybenzoyl)benzofuran	19
C ₁₉ H ₁₆ N ₄ O ₅ S	2-Hydroxy-5-[2-[4-[[[6-methyl-2-pyridinyl]amino]sulfonyl]phenyl]diazenyl]benzoic acid	117
C ₁₉ H ₁₇ NO ₂ S	9,10-Dioxo ketotifen	62
C ₁₉ H ₁₇ IO ₃	De(diethylaminoethyl-5-iodo) amiodarone	19
C ₁₉ H ₁₈ O ₃	Amiodarone impurity E	18
C ₁₉ H ₁₈ N ₂ O ₃ S	2-Butyl-3-(4-hydroxybenzoyl)benzofuran	19
C ₁₉ H ₁₈ N ₂ O ₅ S	5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]methylene]-2,4-thiazolidinedione	93
C ₁₉ H ₁₈ ClN ₃ O ₅ S	5-Chloro-N-[[[(5R)-2-oxo-3-[4-(3-oxo-4-morpholinyl)phenyl]-5-oxazolindinyl]methyl]-2-thiophenecarboxamide	110
C ₁₉ H ₁₉ N·HCl	Cinacalcet impurity B	39
C ₁₉ H ₂₀ N ₂ ClF	11-Fluoro desloratadine	44
C ₁₉ H ₂₀ BrN ₃ O	N,N-Dimethyl-2-[6-methyl-2-(2-bromo-4-methylphenyl)imidazol[1,2-a]pyridin-3-yl]acetamide	132
C ₁₉ H ₂₁ N ₃ O	N,N-Dimethyl-2-[7-methyl-2-(4-methylphenyl)imidazol[1,2-a]pyridin-3-yl]acetamide	132
C ₁₉ H ₂₁ N ₃ O ₂	2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl)-piperazin-1-yl)-ethanol	100
C ₁₉ H ₂₁ ClN ₂ O ₂	Cetirizine impurity B	36
C ₁₉ H ₂₁ N ₅ O ₂	N-[[2'-(2H-Tetrazol-5-yl)]1,1'-biphenyl]-4-yl]methyl]-L-Valine	128
C ₁₉ H ₂₁ N ₃ O ₂ S	2-Amino-5-[[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-4(5H)-thiazolone	93
C ₁₉ H ₂₁ N ₅ O ₄	[4-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-1-piperazinyl]-2-furanyl-methanone	120
C ₁₉ H ₂₂ NO ₃ S ₂ ·Br	(1R,3S,5S)-3-(2-Hydroxy-2,2-di(thiophen-2-yl)acetoxyl)-8,8-dimethyl-8-azabicyclo[3.2.1]oct-6-en bromide	122
C ₁₉ H ₂₂ N ₂ O ₅	(2-Amino-2-(hydroxymethyl)propane-3-ol-1-yl)-(5-benzoyl-2,3-dihydro-1H-pyrrrolizine-1-carboxylate), racemic	61
C ₁₉ H ₂₂ N ₂ O ₅	5-Benzoyl-N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]-2,3-dihydro-1H-pyrrrolizine-1-carboxamide, racemic	62
C ₁₉ H ₂₂ N ₂ O ₆	1,4-Dihydro-2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid diethyl ester	77
C ₁₉ H ₂₃ Cl ₂ N ₃ OS	4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazineethanol hydrochloride	100

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C₂₂H₂₂F₃N·HCl

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C ₁₉ H ₂₃ NO ₂	11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenz[b,e]oxepin-11-ol	46
C ₁₉ H ₂₃ ClN ₂ O ₅	Amlodipine dimethyl ester	21
	3-O-Desmethyl amlodipine	20
C ₁₉ H ₂₁ N ₃ O·HBr·H ₂ O	N,N-Dimethyl-2-[6-methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridin-3-yl]acetamide hydrobromide monohydrate	132
C ₁₉ H ₂₄ ClN ₅ O ₄	2,3,4,5-Tetrahydroalfuzosin hydrochloride	16
C ₁₉ H ₂₄ Na ₅ O ₄	6,7-Dimethoxy-2-[4-[(tetrahydro-2-furanyl)carbonyl]-1-piperazinyl]-4(3H)-quinazolinone	121
C ₁₉ H ₁₃ NO ₃ ·C ₄ H ₁₁ NO ₃	Ketorolac tromethamine	62
	Ketorolac tromethamine - Incorrect Polymorph	62
C ₁₉ H ₂₅ NO	4-Methyl-2-[3-[(1-methylethyl)amino]-1-phenylpropyl]phenol	123
C ₁₉ H ₂₆ ClN ₅ O ₂	2-Demethoxy-2-chloro urapidil	126
C ₁₉ H ₂₇ NO ₃	3-Oxo-4-aza-5a-androst-1-ene-17b-carboxylic acid	49
C ₁₉ H ₂₇ N ₅ O ₃	O-Desmethyl urapidil	126
C ₁₉ H ₂₇ N ₅ O ₄	1-[4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperazinyl]-5-hydroxy-1-pentanone	120
	1-[4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperazinyl]-2-hydroxy-1-pentanone	120
C ₁₉ H ₂₈ ClN ₅ O ₄	N2-Methyl alfuzosin hydrochloride	16
C ₁₉ H ₂₉ O ₆ P	2-[(R)-[(1S)-2-Methyl-1-(1-oxopropoxy)propoxy](4-phenylbutyl)phosphinyl]acetic acid	57
	2-(2-Methyl-1-(propionyloxy)propoxy)(4-phenylbutyl)phosphoryl]acetic acid	57
C ₂₀ H ₁₄ N ₄ O ₇	Olsalazine sodium impurity L	82
C ₂₀ H ₁₅ Cl ₂ NO ₆	3,5-Di-O-(4-chlorobenzoyl)-2-deoxy-a-D-ribofuranosyl isocyanate	43
C ₂₀ H ₁₈ O ₂	(R)-(+)-1,1,2-Triphenyl-1,2-ethanediol	51
	(S)-(-)-1,1,2-Triphenyl-1,2-ethanediol	51
C ₂₀ H ₁₉ F ₆ N ₅ O ₃	Sitagliptin Diamide impurity	114
C ₂₀ H ₂₁ NO ₂	(5E)-2,2-Dimethyl-7-[(1-naphthalenylmethyl)amino]-5-hepten-3-ynoic acid	122
C ₂₀ H ₂₁ N ₅ O ₈	Pemetrexed related impurity 2	90
C ₂₀ H ₂₂ F ₃ NO ₅	2-[[3-(Trifluoromethyl)phenyl]amino]benzoic acid 8-hydroxy-3,6-dioxoacetyl ester	52
C ₂₀ H ₂₃ N	N-[(2E)-6,6-Dimethyl-2-hepten-4-ynyl]-1-naphthalenemethanamine	122
C ₂₀ H ₂₃ N ₅ O ₂	N-[[2'-(2H-Tetrazol-5-yl)][1,1'-biphenyl]-4-yl]methyl-L-valine methyl ester	127
C ₂₀ H ₂₅ NO ₃	4-[2-(5-Ethyl-2-pyridinyl)ethoxy]benzenepropanoic acid ethyl ester	93
C ₂₀ H ₂₅ N ₇ O ₈	3'-[3-(3-Azido-2,3-dideoxy-b-D-erythro-pentofuranosyl)-3,6-dihydro-5-methyl-2,6-dioxo-1(2H)-pyrimidinyl]-3'-deoxy-thymidine	131
C ₂₀ H ₂₆ O ₃	4-Keto 13-cis-retinoic acid	107
C ₂₀ H ₂₇ N ₅ O ₄	[4-(4-Amino-6,7-dimethoxy-2-quinazoliny)-1-piperazinyl][(5S)-tetrahydro-5-methyl-2-furanyl]methanone	121
C ₂₀ H ₂₈ FN ₃ O ₄	N-tert-butyl-N-((S)-3-(3-fluoro-4-morpholinophenyl)-2-oxooxazolidin-5-yl)methyl]acetamide	67
C ₂₀ H ₂₉ N ₅ O ₃	2-Demethoxy-4-methoxy urapidil	126
C ₂₀ H ₃₃ ClN ₂ O ₄	rac-3-Deacetyl-3-butanoyl acebutolol hydrochloride	12
C ₂₀ H ₃₅ NO ₁₁	1-Deoxy-4-O-b-D-galactopyranosyl-1-[(4R)-4-(2-methylpropyl)-2-oxo-1-pyrrolidinyl]-b-D-fructopyranose	96
	1-Deoxy-4-O-b-D-galactopyranosyl-1-[(4R)-4-(2-methylpropyl)-2-oxo-1-pyrrolidinyl]-b-D-fructofuranose	96
	(4R)-1-(4-O-b-D-Galactopyranosyl-b-D-glucopyranosyl)-4-(2-methylpropyl)-2-pyrrolidinone	96
C ₂₁ H ₁₄ O ₄ S	[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl](4-hydroxyphenyl)-methanone	104
C ₂₁ H ₁₄ N ₂ O ₉	Olsalazine sodium impurity F	82
	Olsalazine sodium impurity G	82

Formula	Product Name	Page
C ₂₁ H ₁₄ N ₄ O ₉	Olsalazine sodium impurity H	82
C ₂₁ H ₁₆ O ₈	Triacetol aloe-emodin (impurity A)	49
C ₂₁ H ₂₂ Cl ₂ NO ₃	Di(N-Desethyl) amiodarone hydrochloride	20
C ₂₀ H ₂₃ ClN ₂ OS	Amlodipine besilate impurity D	21
C ₂₁ H ₂₃ NO ₂	(5E)-2,2-Dimethyl-7-[methyl(1-naphthalenylmethyl)amino]-5-hepten-3-ynoic acid	122
C ₂₁ H ₂₄ N ₂ O ₂	5-Ethyl-5-phenyl-2-(1-phenylpropyl)dihydropyrimidine-4,6(1H,5H)-dione	97
C ₂₁ H ₂₄ N ₆ O ₅	Methotrexate-5-monomethyl ester	72
	Methotrexate-1-monomethyl ester	72
C ₂₁ H ₂₄ N ₂ O ₇	2,6-Dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid isopropyl 2-methoxyethyl ester	78
C ₂₁ H ₂₅ NO ₂	Ethyl(1-Benzyl-4-phenylpiperidine-4-carboxylate)	90
C ₂₁ H ₂₅ NO ₃	1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenyl-2-propen-1-one	99
C ₂₁ H ₂₅ N ₃ O ₃ S	2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol N-oxide	101
C ₂₁ H ₂₅ FO ₄	Desoximetasone impurity A	44
C ₂₁ H ₂₅ Na ₅ O ₄	2-[2-[4-(5,5-Dioxidodibenzo[b,f][1,4]thiazepin-11-yl)-1-piperazinyl]ethoxy]ethanol	101
C ₂₁ H ₂₆ N ₂ O ₃	Cetirizine impurity F	36
C ₂₁ H ₂₆ N ₃ O ₃ S	11-[4-[2-(2-Hydroxyethoxy)ethyl]piperazin-1-yl]-10,11-dihydrodibenzo[b,f][1,4]thiazepin-11-ol	102
C ₂₁ H ₂₆ N ₂ O ₆	(RS)-Di-isopropyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate	78
C ₂₁ H ₂₆ N ₂ O ₇	(RS)-Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(2-nitrophenyl)pyridine-3,5-dicarboxylate	79
	(RS)-Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(4-nitrophenyl)pyridine-3,5-dicarboxylate	79
C ₂₁ H ₂₆ N ₂ O ₈	(RS)-Di-(2-methoxyethyl) 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate	78
C ₂₁ H ₂₇ Cl ₃ N ₂ O ₃	Cetirizine 3-chloro impurity dihydrochloride	35
	Cetirizine dihydrochloride impurity C	36
C ₂₁ H ₂₇ ClN ₂ O ₅	Amlodipine diethyl ester	21
C ₂₁ H ₂₇ N ₅ O ₆	2,4-Dicyano-3-(3,4-dihydroxy-5-nitrophenyl)-N1,N1,N5,N5-tetraethylpentanediamide	50
C ₂₁ H ₂₈ O ₂	Pregna-4,14-diene-3,20-dione	98
	13-Ethyl-17-hydroxy-18,19-dinor-17a-pregn-5(10)-en-20-yn-3-one - EP	66
C ₂₁ H ₂₈ Cl ₃ N ₃ O ₂	Cetirizine amide dihydrochloride	35
C ₂₁ H ₃₀ O	13-Ethyl-18,19-dinor-17a-pregn-4-en-20-yn-17-ol - EP	65
C ₂₁ H ₃₀ ClNO ₃	Trimethoxy dobutamine hydrochloride	45
C ₂₂ H ₁₇ Cl ₃ N ₆ ·HCl	N,N,N'-Tris(4-chlorobenzylideneimino)guanidine hydrochloride	111
C ₂₂ H ₁₈ Cl ₂ Na ₄ O ₆	4-Amino-1-[3,5-di-O-(4-chlorobenzoyl)-2-deoxy-a-D-ribofuranosyl]-1,3,5-triazin-2(1H)-one	43
	3',5'-Di-O-p-chlorobenzoyl-2-deoxy-5-azacytosine	43
C ₂₂ H ₂₀ F ₃ NO	N-[1-(R)-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-propanamide	40
C ₂₂ H ₂₀ F ₃ N·HCl	3-(3-(Trifluoromethyl)phenyl-N-(R)-1-(naphthalen-1-yl)ethyl)prop-2-en-1-amine	40
C ₂₂ H ₂₁ ClN ₆	Losartan imidazo[1,5-b]isoquinoline impurity	70
C ₂₂ H ₂₁ Na ₅ O ₅ S ₃	Cefotaxime sodium impurity G	35
C ₂₂ H ₂₂ F ₃ N	3'-Destrifuoromethyl 2'-trifluoromethyl cinacalcet (aR)-a-Methyl-N-[3-[4-(trifluoromethyl)phenyl]propyl]-1-naphthalenemethanamine	39
C ₂₂ H ₂₂ ClKN ₆ O	Losartan isomer impurity, potassium salt	70
C ₂₂ H ₂₂ F ₃ N·HCl	N-[1-(S)-(-)-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-aminopropane hydrochloride	40
	N-[1-(R)-(-)-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-aminopropane hydrochloride	40

Formula	Product Name	Page	Formula	Product Name	Page
C ₂₂ H ₂₂ F ₃ N·HCl	N-[(1-R)-(+)-(2-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-1-aminopropane hydrochloride	40	C ₂₄ H ₂₄ F ₃ NO·HCl	(+/-)-N-Benzyl-N-methyl-3-phenyl-3-[4-(trifluoromethyl)phenoxy]-propylamine hydrochloride	55
C ₂₂ H ₂₃ NO ₄ S	(S)-Duloxetine succinamide	48	C ₂₄ H ₂₆ N ₆ O ₃	4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid	80
C ₂₂ H ₂₄ O ₆	Methyl 2-deoxy-3,4-di-O-toluoyl-D-ribofuranoside	44	C ₂₄ H ₂₆ N ₄ O ₇ S	Amoxicillin trihydrate impurity G	22
	Methyl 2-deoxy-3,5-di-O-(4-chlorobenzoyl)-α-D-ribofuranoside	44	C ₂₄ H ₂₇ NO ₃	1-Benzyl-4-[[5,6-dimethoxy-1-oxoindan-2-ylidene)methyl]piperidine	45
C ₁₈ H ₁₉ NO ₉ ·C ₄ H ₆ O ₆	N-Methyl-3-(1-naphthalenyloxy)-3-(3-thienyl)propanamine tartrate	48	C ₂₄ H ₂₇ ClO ₆	Fenofibrate impurity G	55
C ₂₂ H ₂₅ ClN ₂ O ₉	Amiodipine besilate impurity D oxalate salt	21	C ₂₄ H ₂₈ O ₄	Fluorometholone acetate 6,9(11)-diene impurity	55
C ₂₂ H ₂₅ N·HCl	Cinacalcet impurity E hydrochloride	39	C ₂₄ H ₂₈ N ₈ O ₄	2,2'-(1,4-Piperazinediyl)bis[6,7-dimethoxy-4-quinazolinamine]	121
C ₂₂ H ₂₆ F ₃ NO ₄	[(2-Butoxyethoxy)ethyl] 2-[[trifluoromethyl)phenylamino]benzoate	52	C ₂₄ H ₂₉ NO ₂	Dehydrodeoxy donepezil	45
C ₂₂ H ₂₆ N ₄ O ₆	Mitoxantrone (2-hydroxyethyl)piperazine impurity	74	C ₂₄ H ₂₉ N ₅ O ₃	N-(1-Oxopentyl)-N-[[2-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-D-valine	127
C ₂₂ H ₂₆ Cl ₂ N ₂ O ₂	Chlorhexidine diacetate impurity C	37	C ₂₄ H ₂₉ NO ₅	2-(3-(1-Benzylpiperidin-4-yl)-2-oxopropyl)-4,5-dimethoxybenzoic acid	45
C ₂₂ H ₂₈ NO ₇	O-Desmethyl mycophenolate mofetil	75	C ₂₄ H ₃₀ N ₄ O ₃	6,7,8,9-Tetrahydro-3-[2-[4-(6-methoxy-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one	110
C ₂₂ H ₂₈ ClN ₃ O ₃ P	Sofosbuvir impurity 2	115	C ₂₄ H ₃₁ ClN ₂ O ₄	Cetirizine propanediol ester impurity	36
C ₂₂ H ₂₉ FN ₃ O ₃ P	PSI 7976	115	C ₂₄ H ₃₁ ClN ₂ O ₅	Cetirizine glycerol ester impurity	36
	Sofosbuvir impurity 3	115	C ₂₄ H ₃₂ O ₄	6-Methylene progesterone acetate	98
C ₂₂ H ₃₂ N ₂ O ₆	Trandolaprilat monohydrate	124	C ₂₄ H ₃₂ N ₂ O ₉	Enalapril maleate impurity A	50
C ₂₂ H ₃₅ N ₅ O ₄ S ₂	N,N'-Bis[2-[[[5-[(dimethylamino)methyl]-2-furanyl)methyl]thio]ethyl]-2-nitroethene-1,1-diamine	105	C ₂₄ H ₃₃ NO ₃	1-[1-(4-Methoxyphenyl)-2-[[2-(4-methoxyphenyl)ethyl]amino]ethyl]cyclohexanol	128
C ₂₂ H ₃₆ N ₂ O ₄	Dihexyl 3,3'-(pyrazine-2,5-diyl)diopropanoate	18	C ₂₄ H ₃₄ N ₄ O ₅ S	m-Glimepiride impurity	58
C ₂₂ H ₄₀ O ₂	(S)-3-Hexyl-5,6-dihydro-6-undecyl-2H-pyran-2-one	86	C ₂₄ H ₃₄ O ₆	1,4-Bis(2,3,4-trimethoxybenzyl)piperazine	125
C ₂₃ H ₁₉ Cl ₂ NO ₄	Acetoclofenac benzyl ester	13	C ₂₅ H ₂₂ F ₆ N ₄ O ₂ S	1-[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]-2-[[[3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]thio]-1H-benzimidazole	65
C ₂₃ H ₂₂ F ₃ NO ₂	N-[(1R)-1-(1-Naphthalenyl)ethyl]carbamic acid 3-[3-(trifluoromethyl)phenyl]propyl ester	39	C ₂₅ H ₂₂ F ₆ N ₄ O ₃ S	1-[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]-2-[[[3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]thio]-1H-benzimidazole	65
C ₂₃ H ₂₃ FNNaO ₄	(3R,5S,6E)-7-[1-ethyl-3-(4-fluorophenyl)-1H-indol-2-yl]-3,5-dihydroxy-6-heptenoic acid sodium salt	56	C ₂₅ H ₂₇ N ₃ O ₃ S	Brexpirazole impurity 3	32
C ₂₃ H ₂₅ FN ₄ O ₃	3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-7,8-dihydro-2-methyl-4H-pyrido[1,2-a]pyrimidine-4,9(6H)-dione	109	C ₂₅ H ₂₈ NaO ₂	(R)-7-(But-2-yn-1-yl)-3,7-dihydro-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-8-(3-piperidinylamino)-1H-purine-2,6-dione	66
C ₂₃ H ₂₆ Cl ₂ NO ₃	Desethyl amiodarone hydrochloride	19	C ₂₅ H ₂₈ N ₆ O ₉	N-[4-[[2-(2-Amino-4,7-dihydro-4-oxo-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzoyl]-L-gamma-glutamyl-L-glutamic acid	90
C ₂₃ H ₂₆ N ₂ O ₃	Solifenacin N-oxide	116	C ₂₅ H ₂₉ l ₂ NO ₄	Amiodarone N-oxide	18
C ₂₃ H ₂₇ F ₂ NaO ₂	3-[2-[4-(2,4-Difluorobenzoyl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-pyrido[1,2-a]pyrimidin-4-one	109	C ₂₅ H ₂₅ N ₃ O ₃ S·1/2(C ₄ H ₄ O ₄)	2-[2-(4-Dibenzofl[1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]etanol hemifumarate	101
C ₂₃ H ₂₇ FN ₄ O ₂	3-[2-[4-(5-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one	109	C ₂₅ H ₃₀ INO ₃	Deioido amiodarone	19
	3-[2-[4-(6-Fluoro-2-benzoxazolyl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one	109	C ₂₅ H ₃₀ N ₂ O ₅	Enalaprilat benzyl ester	50
C ₂₃ H ₂₇ FN ₄ O ₃	(+)-9-Hydroxyrisperidone	110	C ₂₅ H ₃₁ NO ₃	Dideioido amiodarone	19
	(-)-9-Hydroxyrisperidone	109	C ₂₅ H ₃₃ FN ₃ NaO ₃ S	(3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-methyl]((2-hydroxy-2-methylpropyl)sulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic acid sodium salt	111
	Risperidone N-oxide	110	C ₂₅ H ₃₄ ClN ₃ O ₄ S	N,N-Bis[2-(2-hydroxyethoxy)ethyl] quetiapine chloride	100
C ₂₃ H ₂₇ N ₅ O ₃	N-(1-Oxobutyl)-N-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-L-valine	127	C ₂₅ H ₃₆ O ₄	2,2-Dimethylbutanoic acid (1S,3R,7S,8S,8aR)-8-[2-[[2(R)-3,6-dihydro-6-oxo-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl] ester	113
C ₁₉ H ₂₁ NO ₉ ·C ₄ H ₆ O ₆	N,N-Dimethyl-3-(1-naphthalenyloxy)-3-(2-thienyl)propanamine tartrate	48	C ₂₅ H ₃₇ NaO ₅	(2E,5R)-7-[[1(S,2S,6R,8S,8aR)-8-(2,2-Dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-2,6-dimethyl-1-naphthalenyl]-5-hydroxy-2-heptenoic acid sodium salt	113
C ₂₃ H ₂₈ N ₄ O ₂	3-[2-[4-(1,2-Benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one	108	C ₂₅ H ₃₈ N ₂ O ₄ ·2HCl	N,N'-Bis[2-(3,4-dimethoxyphenyl)ethyl]-N,N'-dimethyl-1,3-propanediamine dihydrochloride	129
C ₂₃ H ₂₈ F ₂ N ₄ O ₂	Risperidone E-oxime impurity	110	C ₂₅ H ₄₀ O ₅	Simvastatin impurity K	114
C ₂₃ H ₂₈ NaO ₃	6,7,8,9-Tetrahydro-3-[2-[4-(6-hydroxy-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one	110	C ₂₅ H ₄₀ O ₆	Simvastatin acid	113
C ₂₃ H ₂₉ BrO ₄	6-Bromo-6-dehydro-17α-acetoxy progesterone	97	C ₂₆ H ₂₀ ClFN ₄ O ₂	N-De[2-(methylsulfonyl)ethyl] lapatinib	65
C ₂₃ H ₃₀ O ₄	6,7-Dehydro-17α-acetoxy progesterone	98	C ₂₆ H ₂₂ FNO ₄	Atorvastatin epoxydione impurity	25
C ₂₃ H ₃₁ ClO ₄	6α-Chloro-17-acetoxy progesterone	97	C ₂₆ H ₂₃ F ₉ NeO ₂	Sitagliptin Hydrazine Diamide impurity	114
C ₂₃ H ₃₁ NO ₆	Mycophenolate mofetil N-oxide - EP	76	C ₂₆ H ₂₄ N ₂ O ₄	6-Des(1-methyl-2-benzimidazolyl)-6-carboxy telmisartan	119
C ₂₃ H ₃₂ N ₂ O ₅	Trandolaprilat methyl ester	124	C ₂₆ H ₂₄ FNO ₅	Dihydroxy diketone atorvastatin impurity	46
C ₂₃ H ₃₅ O ₇ ·Na	6-Epi pravastatin sodium salt	96			
C ₂₃ H ₃₅ NaO ₇	3α[pha-Hydroxy pravastatin sodium salt	96			
C ₂₃ H ₃₅ NaO ₈	(S)-3'-Hydroxy pravastatin sodium salt	96			
C ₂₄ H ₂₄ NaO ₂	Olmesartan lactone impurity	80			
C ₂₄ H ₂₄ F ₂ N ₄ O ₅ S	N-[(3,4-Dimethoxy-2-pyridinyl)methyl] pantoprazole sulfide	89			

Formula	Product Name	Page
C ₂₆ H ₂₄ FN ₂ O ₅	Atorvastatin epoxy tetrahydrofuran impurity	25
C ₂₆ H ₂₄ N ₁₂ O ₇	6-Pterinyl folic acid	56
C ₂₆ H ₂₇ N ₅ O ₂	Des(oxopentyl) valsartan benzyl ester	127
C ₂₆ H ₂₉ N ₃	Di-destriazole anastrozole dimer impurity	24
C ₂₆ H ₃₁ L ₂ NO ₄	1-Methoxy amiodarone	20
C ₂₆ H ₃₆ N ₂ O ₄	a-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-α-ethyl-3,4-dimethoxy-benzeneacetone nitrile	130
C ₂₆ H ₃₇ ClN ₂ O ₄	4-[[3-(4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylbutyronitrile monohydrochloride	129
C ₂₆ H ₃₆ N ₂ O ₄ ·HCl	2-(3,4-Dimethoxyphenyl)-5-[2-(3,4-dimethoxyphenyl)ethylamino]-2-propan-2-ylpentanenitrile hydrochloride	130
C ₂₆ H ₃₈ O ₅	3-Methylene simvastatin impurity	113
C ₂₆ H ₄₀ O ₅	Simvastatin 4'-methyl ether	114
C ₂₆ H ₄₁ NaO ₉	Pseudomonic acid D sodium	75
C ₂₆ H ₄₂ O ₆	Simvastatin hydroxy acid methyl ester	114
C ₂₆ H ₄₃ NaO ₉	2H,5H-Pyrano[4,3-b]pyranyl mupirocin sodium impurity	75
C ₂₇ H ₂₄ NaO ₉	2'-[[1(E)-2-[4-[[2-(Carboxyethyl)amino]carbonyl]phenyl]diazenyl]balsalazide	30
	3-[[1(E)-2-[4-[[2-(Carboxyethyl)amino]carbonyl]phenyl]diazenyl]balsalazide	30
C ₂₇ H ₂₆ O ₃	Nabumetone dimer	76
C ₂₇ H ₃₁ ClF ₆ N ₂ O ₂	Dutasteride impurity D	49
C ₂₇ H ₃₆ N ₂ O ₄	2-Ethoxy-4-[2-[[1(R)-3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid	107
C ₂₇ H ₃₈ N ₂ O ₄	a-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-3,4-dimethoxy-a-propyl-benzeneacetone nitrile	130
C ₂₇ H ₃₉ ClN ₂ O ₄	(2R)-2-(3,4-Dimethoxyphenyl)-5-[2-(3,4-dimethoxyphenyl)ethyl-methylamino]-2-isopropylpentanenitrile hydrochloride	130
C ₂₇ H ₄₀ O ₃	(5E)-Calcipotriene	33
C ₂₇ H ₄₀ O ₆	(24R)-Calcipotriene	33
C ₂₇ H ₄₁ NO ₆	4'-Acetyl simvastatin	112
C ₂₇ H ₄₄ O ₆	1,1'-[[1-(Methylethyl)imino]bis[3-[4-(2-methoxyethyl)phenoxy]-2-propanol	73
C ₂₇ H ₄₄ O ₆	Simvastatin hydroxy acid ethyl ester	113
C ₂₇ H ₄₄ NaO ₆ S ₂	Bis[N-2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]thio]ethyl]-N-methyl-2,2-diamino-1-nitroethenyl]methane	105
C ₂₈ H ₂₀ NaO ₂	[1,1'-Biphenyl]-2'-(2H-tetrazol-5-yl)-4-carboxylic acid, [1,1'-biphenyl]-(2'-(2H-tetrazol-5-yl)-4-yl)methyl ester	70
C ₂₈ H ₂₇ NO ₄ S	[6-Hydroxy-2-(4-hydroxyphenyl)-benzo[b]thien-7-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]methanone	104
C ₂₈ H ₂₇ NO ₅ S	[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1-oxido-1-piperidinyl)ethoxy]phenyl]methanone	104
C ₂₈ H ₂₇ ClN ₂ O ₇	Phthaloyl amodipine	20
C ₂₈ H ₂₉ ClN ₂ O ₈	2-Carboxybenzoyl amlodipine	21
C ₂₈ H ₃₁ N ₃ O ₅ S	N-[Ethyl-(2-pyridyl-5-ethyl) pioglitazone	93
C ₂₈ H ₃₇ NO ₃	Buprenorphine furanyl impurity	33
C ₂₉ H ₂₂ NaO ₇ S ₂	3-[4-(2-Pyridylsulfamoyl)phenyl] sulfasalazine	117
C ₂₉ H ₂₆ ClNO ₂	Montelukast Ketone impurity	75
C ₂₉ H ₃₂ ClN ₃ O ₇	N-[2-[(Methylamino)carbonyl]benzoyl] amlodipine	20
C ₂₉ H ₃₃ ClN ₂ O ₃	Loperamide N-oxide	69
C ₂₉ H ₃₆ Na ₄ O ₄ S	1-[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl]methyl]thio]-1H-benzimidazole	103
C ₂₉ H ₃₆ Na ₄ O ₆ S	1-[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole	103
C ₂₉ H ₃₉ NO ₃	7-Dehydroxy buprenorphine(buprenorphine impurity F)	49
C ₂₉ H ₄₀ N ₂ O ₄	(S)-Ethyl 2-ethoxy-4-[[[N-[1-(2-piperidinophenyl)-3-methyl-1-butyl]amino]carbonyl]methyl]benzoate	107

Formula	Product Name	Page
C ₂₉ H ₄₀ N ₂ O ₄	2-Ethoxy-4-[2-[[1(R)-3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ethyl ester	107
C ₂₉ H ₄₀ N ₂ O ₇	Ethyl(4-phenylpiperidine-4-carboxylate) carbonate salt	90
C ₂₉ H ₄₁ N ₅ O ₃ S	1-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethyl-2-(1-piperazinyl)ethoxyethanol	101
C ₂₉ H ₅₃ NO ₅	N-Formyl-L-leucine (3S,4S,6S)-3-hexyltetrahydro-2-oxo-6-undecyl-2H-pyran-4-yl ester	85
	N-Formyl-D-leucine (1R)-1-[[2(R,3R)-3-Hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester	84
	N-Formyl-D-leucine (1R)-1-[[2(S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester	84
	N-Formyl-D-leucine (1S)-1-[[2(S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester	85
	N-Formyl-L-leucine (1R)-1-[[2(R,3R)-3-Hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester	85
	N-Formyl-L-leucine (1S)-1-[[2(R,3R)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester	85
C ₂₉ H ₅₅ NO ₆	(2S,3R,5S)-5-[(N-Formyl-L-leucyl)oxy]-2-hexyl-3-hydroxyhexadecanoic acid	86
C ₃₀ H ₂₄ N ₄ S ₂	11,11'-(1,4-Piperazinediyl)bis-dibenzo[b,f][1,4]thiazepine	102
C ₃₀ H ₃₀ N ₁₀ O ₁₂ S ₄	Cefotaxime sodium impurity F	35
C ₃₀ H ₃₁ N ₉	Anastrozole dimer impurity	24
	Anastrozole dimer impurity - 65%	24
C ₃₀ H ₃₄ N ₂ O ₄	2-Ethoxy-4-[2-oxo-2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl]amino]ethyl]benzoic acid	107
C ₃₀ H ₅₈ N ₂ O ₉	Azithromycin impurity J	28
C ₃₁ H ₂₇ N ₃ O ₇	Sofosbuvir impurity 6	115
C ₃₁ H ₃₃ N ₅ O ₄	4-Oxo valsartan benzyl ester	127
C ₃₁ H ₃₅ N ₅ O ₃	N-(1-Oxopentyl)-N-[[2-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl	127
C ₃₁ H ₃₆ BrNO ₃	Donepezil benzyl bromide (donepezil impurity)	46
C ₃₂ H ₂₆ F ₆ N ₂ O ₅	2,2-Bis(N-(a,a,a-trifluoro-m-tolyl)antranililoxi)diethylether	52
C ₃₂ H ₂₈ NaO ₂	4'-[[4-Methyl-2-propyl[2,6'-bi-1H-benzimidazol]-1-yl]methyl][1,1'-biphenyl]-2-carboxylic acid	120
C ₃₂ H ₃₁ F ₆ N	N-[[3-Trifluoromethyl]phenyl]propyl cinacalcet	39
C ₃₃ H ₃₀ N ₄ O ₂	(4'-(1,7'-Dimethyl-2'-propyl-1H,1'H-2,5'-bibenzod[j]imidazol-1'-yl)methyl]biphenyl-2-carboxylic acid	119
C ₃₃ H ₃₀ NaO ₄	(R)-7-(But-2-yn-1-yl)-8-(3-(1,3-Dioxoisindolin-2-yl)piperidin-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-1H-purine-2,6(3H,7H)-dione	66
C ₃₃ H ₃₁ N ₅ O	4'-[[1,4'-Dimethyl-2'-propyl[2,6'-bi-1H-benzimidazol]-1'-yl]methyl][1,1'-biphenyl]-2-carboxamide	119
C ₃₃ H ₃₂ O ₅	1,1'-[Hydroxypropane-1,3-diylbis(oxy-2,1-phenylene)]bis(3-phenylpropan-1-one)	99
C ₃₃ H ₃₂ FN ₂ NaO ₅	rac-3-Oxo atorvastatin sodium salt	28
C ₃₃ H ₃₂ FN ₂ NaO ₆	Atorvastatin lactam sodium salt impurity	25
C ₃₃ H ₃₃ FN ₂ O ₄	Atorvastatin lactone	26
(C ₃₃ H ₃₄ FN ₂ O ₅) ₂ ·Ca	(bS,δR)-2-(4-Fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[[phenylamino]carbonyl]-1H-pyrrole-1-heptanoic acid calcium salt	27
	(betaS,deltaS)-2-(4-Fluorophenyl)-beta,delta-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[[phenylamino]carbonyl]-1H-pyrrole-1-heptanoic acid calcium salt (2:1)	27
C ₃₃ H ₃₄ F ₂ N ₂ O ₅	Diffuoro atorvastatin	27
(C ₃₃ H ₃₄ F ₂ N ₂ O ₅) ₂ ·Ca	(BR,δR)-2,3-Bis(4-fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-4-[[phenylamino]carbonyl]-1H-pyrrole-1-heptanoic acid hemicalcium salt	28
C ₃₃ H ₃₄ FN ₂ NaO ₅	(3R,5S)-Atorvastatin sodium salt	26
	(3S,5S)-Atorvastatin sodium salt	26

Formula	Product Name	Page	Formula	Product Name	Page
C ₃₃ H ₃₄ FN ₂ NaO ₇	7-(4-Fluorophenyl)hexahydro-b,7-dihydroxy-1b-(1-methylethyl)-7a-phenyl-1a-[(phenylamino)carbonyl]-3H-oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanoic acid sodium salt	27	C ₄₃ H ₅₁ NO ₁₄	Docetaxel impurity D	45
	3H-Oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanoic acid, 1b-(4-fluorophenyl)hexahydro-b,7-dihydroxy-7-(1-methylethyl)-1a-phenyl-7a-[(phenylamino)carbonyl]-sodium salt	28	C ₄₄ H ₃₆ NeO ₃	2-Ethoxy-1-[[2'-[1-(trityl)-1H-tetrazol-5-yl]][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-4-carboxylic acid methyl ester	34
C ₃₃ H ₃₅ FN ₂ O ₇	7-(4-Fluorophenyl)hexahydro-b,7-dihydroxy-1b-(1-methylethyl)-7a-phenyl-1a-[(phenylamino)carbonyl]-3H-oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanoic acid	27	C ₄₄ H ₄₄ Cl ₂ N ₁₂ O	N1-Losartanyl-losartan	70
C ₃₃ H ₃₆ N ₂ O ₅	Desfluoro atorvastatin	27		N2-Losartanyl-losartan	71
(C ₃₃ H ₃₆ N ₂ O ₅) ₂ Ca	(beta,R,delta,R)-beta,delta-Dihydroxy-2-(1-methylethyl)-4,5-diphenyl-3-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid calcium salt (2:1)	27	C ₄₄ H ₆₇ NO ₁₁	23,24-Anhydro tacrolimus	118
C ₃₃ H ₄₅ NO ₈	Paclitaxel impurity 2	87	C ₄₄ H ₆₉ NO ₁₂	(E/Z)-FK-506 26,28-allylic ester rearrangement impurity	119
C ₃₃ H ₅₀ N ₂ O ₄	2,2'-Methylenebis[4-[2-(dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol]	129	C ₄₅ H ₄₄ N ₆ O ₃	4-(1-Hydroxy-1-methylethyl)-2-propyl-1[4-[2-(trityl)tetrazol-5-yl]phenyl]phenyl]methylimidazo-5-carboxylate ethyl	81
C ₃₃ H ₆₂ N ₂ O ₁₂	Decladinose roxithromycin	111	C ₄₅ H ₄₉ NO ₁₃	7-Epi 10-desacetyl paclitaxel	87
C ₃₄ H ₃₆ Cl ₂ N ₈ O ₄	cis-(±)-4-[4-[4-[4-[[2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl)methyl]-1,3-dioxolan-4-yl]methoxy]phenyl]-1-piperazinyl]phenyl]-2,4-dihydro-2-propyl-3H-1,2,4-triazol-3-one	61	C ₄₅ H ₇₉ N ₃ O ₁₅ S	3-N-didesmethyl-3-N-tosyl azithromycin	29
C ₃₄ H ₃₇ FN ₂ O ₅	Atorvastatin methyl ester	26	C ₄₅ H ₈₄ N ₂ O ₁₇	Roxithromycin impurity I	112
C ₃₅ H ₃₆ ClNO ₃ S	Montelukast impurity I	75	C ₄₆ H ₃₈ NaO ₄	4',4''-[[4-Methyl-2'-propyl[2,6'-bi-1H-benzimidazole]-1,1'-diyl]bis(methylene)]bis[1,1'-biphenyl]-2-carboxylic acid	120
C ₃₆ H ₄₀ N ₂ ·2HCl	(2E,4E)-4-(4,4-Dimethyl-2-pentyn-1-ylidene)-N1,N5-dimethyl-N1,N5-bis(1-naphthalenylmethyl)-2-pentene-1,5-diamine, dichloride	122	C ₄₆ H ₅₄ N ₄ O ₁₀	N-Formyl leurosine	131
C ₃₆ H ₆₆ Cl ₂ N ₄ O ₁₅ P ₂ S ₂	Bis[2-[(2S-trans)-Methyl 7-chloro-6,7,8-trideoxy-6-[[[(1-methyl-4-propyl-2-pyrrolidinyl)phenyl]carbonyl]amino]-1-thio-L-threo-a-D-galacto-octopyranoside]] pyrophosphate	42	C ₄₆ H ₅₅ F ₆ N ₃ O ₄	Dutasteride b-dimer	49
C ₃₇ H ₄₃ FN ₂ O ₅	Atorvastatin tert-butyl ester	26	C ₄₆ H ₅₆ N ₄ O ₁₁	22-Oxo-vincaloeukoblastine 6'-oxide	131
C ₃₇ H ₆₅ NO ₁₄	Erythromycin E	13	C ₄₆ H ₅₇ NO ₁₄	N-Debenzoyl-N-hexanoylpaclitaxel	86
C ₃₇ H ₆₈ N ₂ O ₁₂	9-Oxo azithromycin B	29	C ₄₇ H ₅₁ NO ₁₄	7,11-Methano-1H-cyclodeca[3,4]benz[1,2-b]oxete benzenepranoic acid derivative	87
C ₃₇ H ₇₀ N ₂ O ₁₁	N-Desmethyl azithromycin B	28	C ₄₇ H ₅₉ NO ₁₄	N-Methyltaxol C	87
C ₃₈ H ₆₈ N ₁₀ O ₃	4-(1-Hydroxy-1-methylethyl)-2-propyl-1[4-[2-(tetrazol-5-yl)phenyl]phenyl]methyl imidazole-5-carboxylate [4-[2-(tetrazol-5-yl)phenyl]phenyl]methyl	81	C ₄₈ H ₄₄ NeO ₆	4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-[2-(triphenylmethyl)-2H-tetrazol-5-yl]][1,1'-biphenyl]-4-yl]methyl]-5-methyl-2-oxo-1,3-dioxol-4-yl)1H-Imidazole-5-carboxylic acid methyl ester	81
C ₃₈ H ₄₀ N ₄ O ₄ S	Brexpiprazole impurity 2	32		4-(1-Hydroxy-1-methylethyl)-2-propyl-1[4-[2-(trityl)tetrazol-5-yl]phenyl]phenyl]methylimidazo-5-carboxylate (5-methyl-2-oxo-1,3-dioxolen-4-yl)methyl	81
C ₃₈ H ₇₂ N ₂ O ₁₃	4-Hydroxy azithromycin	29	C ₄₉ H ₅₃ NO ₁₄	Paclitaxel impurity O	87
C ₃₉ H ₄₅ NO ₆	1-[2-[2-Hydroxy-3-[[2-hydroxy-3-[2-(3-phenylpropanoyl)phenoxy]propyl]-propylamino]propoxy]phenyl]-3-phenylpropan-1-one	99	C ₅₀ H ₇₆ O ₁₀	Simvastatin dimer impurity	113
C ₃₉ H ₇₄ N ₂ O ₁₂	Azithromycin N-ethyl	28	C ₅₁ H ₈₆ N ₁₀ O ₁₅	Casopfungin impurity A	34
C ₃₉ H ₇₄ N ₂ O ₁₄	3'-N,N-Didesmethyl-N-(methoxycarbonyl)azithromycin	29	C ₅₂ H ₅₂ N ₁₀ O ₁₀ S ₂	Bosentan impurity C	32
C ₄₀ H ₄₀ N ₁₀ O ₁₃	Pemetrexed impurity B	90	C ₅₃ H ₆₅ NO ₁₄ Si	7-O-(Triethylsilyl) paclitaxel	88
	Pemetrexed impurity C	90	C ₅₇ H ₁₀₈ N ₂ O ₉	O5-(N-Formyl-L-leucyl)-(2S,3S,5S)-2-hexyl-3,5-dihydroxyhexadecanoyl-L-leucine(1S)-1-[[[2S,3S]-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester	86
C ₄₀ H ₄₈ FN ₃ O ₈	Atorvastatin amide	25	C ₆₈ H ₆₄ CaF ₂ N ₄ O ₁₂	Atorvastatin lactam phenanthrene calcium salt impurity	25
C ₄₀ H ₇₄ N ₂ O ₁₅	Roxithromycin impurity E	111	(NH ₃) ₂ Cl ₂ Pt	Cisplatin impurity A	41
C ₄₁ H ₄₆ ClNO ₅ S ₂	Montelukast Bis-sulfide (mixture of diastereomers)	74			
	(R,R)-Montelukast bis-sulfide	75			
C ₄₁ H ₇₆ N ₂ O ₁₄	Roxithromycin impurity H	112			
C ₄₁ H ₇₆ N ₂ O ₁₅	(9Z)-Roxithromycin	112			
C ₄₁ H ₇₆ N ₂ O ₁₆	Roxithromycin impurity K	112			
C ₄₂ H ₄₄ N ₂ O ₆ S	[6-Hydroxy-2-(4-hydroxyphenyl)-7-[4-(2-piperidin-1-yl-ethoxy)benzoyl]-benzo[b]thien-3-yl]-[4-[2-(1-piperidinyl)ethoxy]phenyl]methanone	104			
C ₄₂ H ₄₈ N ₂ O ₆	2,2'-Bisnalmefene	76			
C ₄₂ H ₅₇ N ₃ O ₆	a,a'-[[[2-(3,4-Dimethoxyphenyl)ethyl]imino]di-3,1-propanediyl]bis[3,4-dimethoxy-α-(1-methylethyl)-benzeneacetonitrile]	130			
C ₄₃ H ₃₉ N ₆ NaO ₃	4-(1-Hydroxy-1-methylethyl)-2-propyl-1[4-[2-(trityl)tetrazol-5-yl]phenyl]phenyl]methylimidazol-5-sodium caboxylate	81			



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UK QC Laboratory

At Carbosynth we take quality seriously, that's why our product batches are carefully QC released from our in-house laboratory in the UK.

In-House Testing Capabilities:

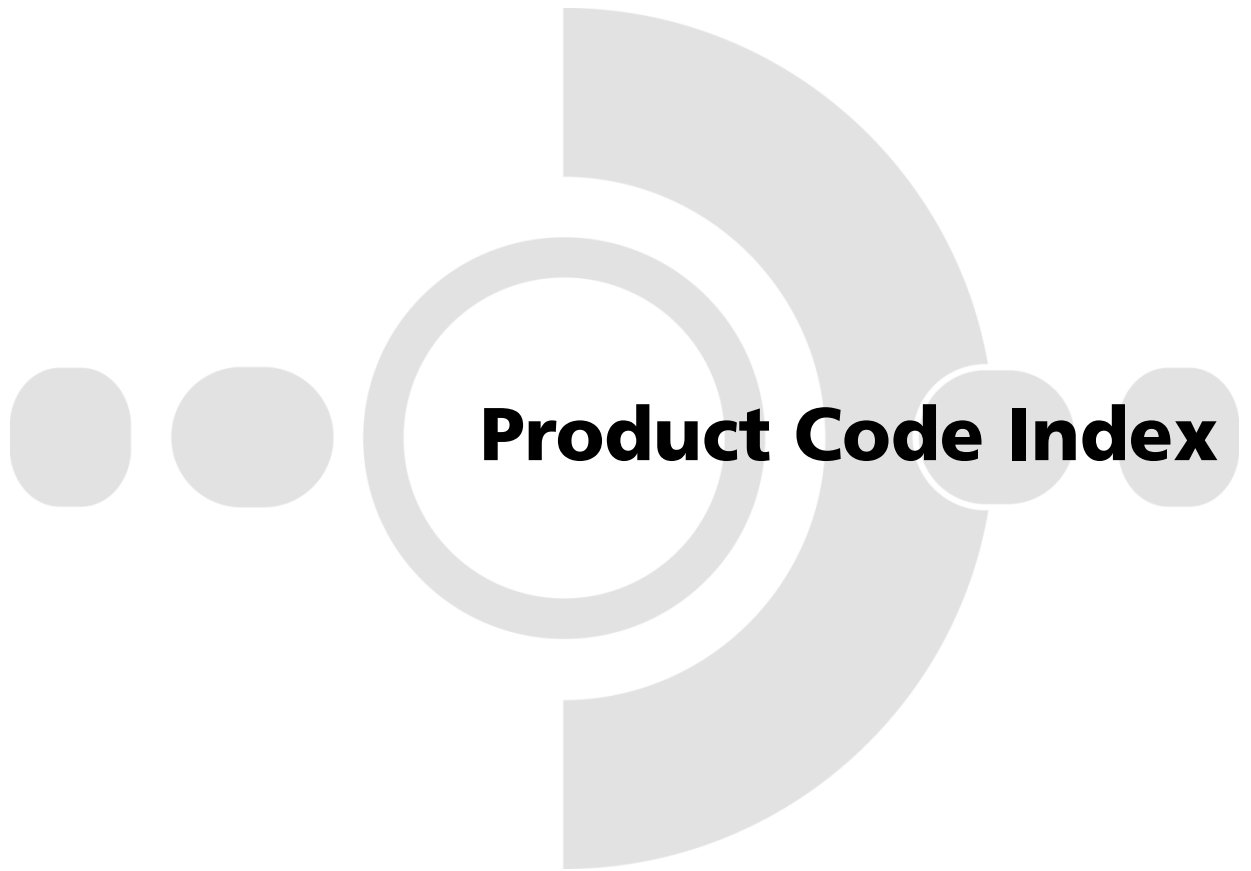
- HPLC (with UV (DAD), RI & ELSD detection)
- UPLC with UV (DAD) detection
- Dionex with PAD detector
- LC-MS
- TLC
- NMR
- IR
- Titration
- Karl Fisher Melting point
- Polarimeter (optical rotation)
- Spectrophotometer
- Loss on drying
- pH
- Solubility
- We also have a 100,000 Clean room on site

Other methods are tested in conjunction with reputable external testing laboratories (eg. CHN, GC, trace metals)

Comprehensive product specifications are available for all of our products and we have the expertise to develop the most accurate and reliable methods of analysis. Our highly experienced QC team communicate with customers to ensure consistency of methods and peace of mind for their critical raw materials and intermediates supply chain.

Our team of Quality Assurance professionals conform to the requirements of the ISO9001:2008 quality management systems.





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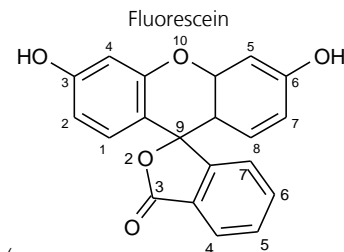
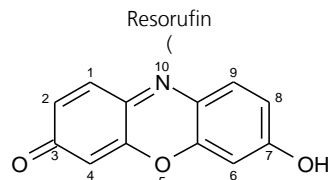
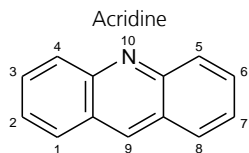
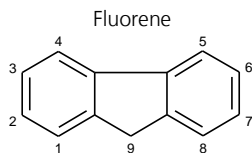
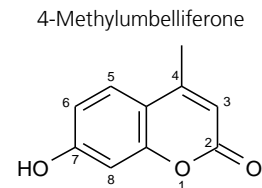
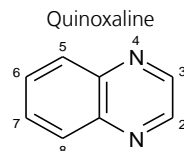
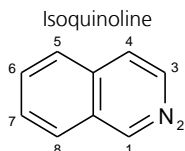
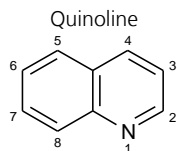
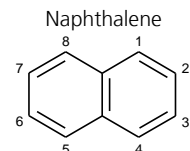
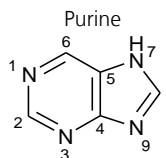
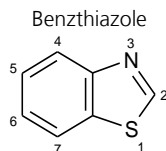
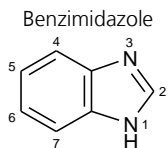
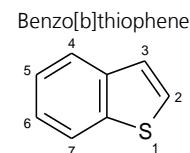
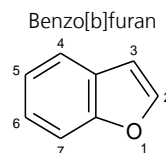
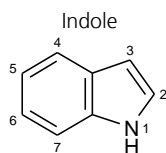
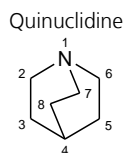
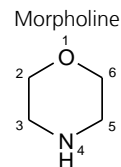
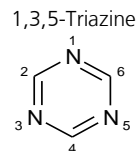
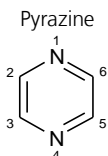
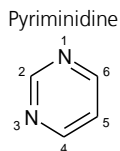
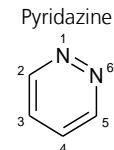
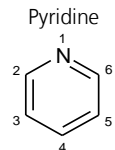
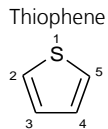
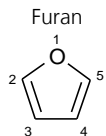
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Ring Numbering System

Ring Numbering System



Catalogue Abbreviations

\$	United States Dollars	Fru	Fructose	ManNAc	N-Acetyl-mannosamine
£	United Kingdom Pounds	Fuc	Fucose	MCe	Methyl cellulose
€	Euros	FucN	Fucosamine	Me	Methyl group
a	Alpha	FucNac	N-Acetyl-fucosamine	Mel	Methiodide
Ac	Acetyl	FW	Formula weight calculated using C mass 12.0107 and including hydrates if known	mg	Milligram
AdNJ	2-Acetamido-1,2-dideoxynojirimycin	G	Gram	ug	Microgram
ADR	European Agreement concerning the International Carriage of Dangerous goods by Road	GAG	Glycosaminoglycan	MMT	Monomethoxytrityl
Alt	Altrose	Gal	Galactose	Ms	Methanesulfonyl
APD	Acetylphenylenediamine	GalA	Galacturonic acid	MTS	Methanethiosulfonyl
APE	Aminophenylethyl	GalNAc	N-Acetylgalactosamine	MU	Methylumbelliferyl
API	Active Pharmaceutical Ingredient	GDP	Guanosine 5'-diphosphate	n	Normal
Ara	Arabinose	Glc	Glucose	NAG	N-Acetyl-glucosamine
ATP	Adenosine 5'-triphosphate	GlcA	Glucuronic acid	NANA	N-Acetyl neuraminic acid
AZT	Azidothymidine	GlcN	Glucosamine	NAO	Non-animal origin
b	Beta	GlcNAc	N-Acetylglucosamine	Neu	Neuraminic acid
Bn	Benzyl	Gul	Gulose	Neu5Ac	N-Acetyl neuraminic acid
Boc	tert-Butoxycarbonyl	GulA	Guluronic acid	ONP	2-Nitrophenyl
BSA	Bovine serum albumin	HEC	Hydroxyethyl cellulose	ONPG	2-Nitrophenyl-b-D-galactopyranoside
Bz	Benzoyl	HM	High methoxy	Ots	p-Toluenesulfonyl
ca.	approximately	HPC	Hydroxypropyl cellulose	PAP	p-Aminophenyl
CAP	Cellulose acetate phthalate	HPLC	High-performance liquid chromatography	PGX	Polyglycoplex
CAS	Chemical Abstracts Service (Registry Number)	HPMC	Hydroxypropylmethyl cellulose	PMB	Anisoyl
CMC	Carboxymethyl cellulose	HPMCP	Hydroxypropylmethyl cellulose phthalate	PNP	4-Nitrophenyl
CM-Dextran	Carboxymethyl dextran	HSA	Human serum albumin	PugNAc	O-(2-Acetamido-2-deoxy-D-glucopyranosylidene)amine N-phenyl carbamate
CUG	Carboxyumbelliferyl galactopyranoside	i	Iota	Rha	Rhamnose
DEAE-Dextran	Diethylaminoethyl dextran	Ido	Idose	Rib	Ribose
DIC	1,3-Diisopropylcarbodiimide	IdoA	Iduronic acid	ROW	Rest of World
DMF	Dimethylaminomethylidene	Ino	Inositol	Sol	Solution
DMT	Dimethoxytrityl	IPTG	Isopropyl b-D-1-thiogalactopyranoside	Sor	Sorbose
E	trans	k	Kappa	Tag	Tagatose
EC	European Commission	Kg	Kilogram	Tal	Talose
ECe	Ethyl cellulose	KLH	Keyhole limpet hemocyanin	TBDMS	tert-Butyldimethyl silyl
EHC	Ethyl hydroxyethyl cellulose	l	Lambda	t-Bu	tert-Butyl
EINECS	European Inventory of Existing Commercial Chemical Substances	LacNAc	N-Acetyl-lactosamine	Tol	Tolyl
ELINCS	European List of Notified Chemical Substances	LM	Low methoxy	Tr	Trityl
Et	Ethyl group	LogNAc	2-Acetamido-2-deoxy-D-glucopyranosylidene-1,5-lactone	UDP	Uridine 5'-diphosphate
Et3N	Triethyl amine	Lyx	Lyxose	UN Number	United Nations Substance Identification Number
EUR	Euros	Man	Mannose	WSC	Water-soluble carbodiimide
EXW	Ex works	ManA	Mannurinic acid	Xyl	Xylose
Fmoc	Fluorenylmethoxycarbonyl	ManN	Mannosamine	Z	cis

Terms of Sale

Application

These terms and conditions apply to all sales of goods by the Seller to any Purchaser (Buyer) and shall prevail over and apply to the exclusion of any terms or conditions contained or referred to in the Buyer's order or in correspondence or elsewhere or implied by trade custom or dealing unless specifically agreed to in writing by a director or other authorised representative of the Seller and any purported provisions to the contrary are hereby excluded or extinguished.

Definitions

"Seller" means Carbosynth Limited (registration number 5771788)

"Products" "Goods" means the items described in the orders to be supplied by Carbosynth to the Buyer pursuant to this Agreement

"Buyer" "Purchaser" means the other party to this agreement

Quotations

A quotation by the Seller does not constitute an offer and may be withdrawn or revised at any time prior to the Seller's acceptance of the Buyer's order.

Prices

(A) The prices payable for the goods shall be those contained in the Seller's list prices that is current at the time of despatch. The Seller shall have the right at any time to withdraw any discount from its normal prices and/or to revise prices to take into account increases in costs including without limitation costs of any goods, materials, carriage, labour or overheads, the increase or imposition of any tax, duty or other levy and any variation in exchange rates.

(B) Unless otherwise specified VAT and any other tax or duties payable by the Buyer shall be added to the price.

Terms of Payment

(A) Payment of invoices, unless subject to the terms and conditions under "Export Sales", shall unless otherwise agreed in writing be made in full without any deduction or set-off within 30 days of the date of invoice.

(B) Any extension of credit allowed to the Buyer may be changed or withdrawn at any time

(C) Interest shall be payable on overdue accounts at the rate of 3% over Royal Bank of Scotland Plc base rate to run from the due date for payment thereof until receipt by the Seller of the full amount whether or not after judgement.

Delivery

(A) Delivery dates mentioned in any quotation, acknowledgement of order or elsewhere are approximate only and not of any contractual effect and the Seller shall not be under any liability to the Buyer in respect of any failure to deliver on any particular date or dates.

(B) Delivery shall be at the Buyer's premises unless otherwise stipulated or agreed by the Seller. The Seller may charge for delivery other than at its premises.

(C) If the Buyer refuses or fails to take delivery of goods tendered in accordance with the contract the Seller shall be entitled to immediate payment in full for the goods so tendered. The Seller shall be entitled to store at the risk of the Buyer any goods of which the Buyer refuses or fails to take delivery and the Buyer shall in addition to the purchase price pay all costs of such storage and any additional costs incurred as a result of such refusal or failure. The Seller shall be entitled after the expiration of 3 months from the date upon which the price became payable to dispose of the goods in such manner as the Seller may determine.

Divisibility

Each delivery made hereunder shall be deemed to arise from a separate contract and shall be invoiced separately; any invoice for a delivery shall be payable in full in accordance with the terms of payment provided for herein, without reference to and notwithstanding any defect of default in delivery of any other instalment.

Risk

Subject (where appropriate) to the terms and conditions under "Export Sales" shall pass on delivery.

Export Sales

(A) In the case where the goods are sold CIF or FOB or on the basis of other international trade term the meaning of such term contained in incoterms as revised from time to time shall apply except where inconsistent with any of the provisions contained in these Conditions.

(B) Unless otherwise agreed the price of the goods shall be secured by an irrevocable Letter of Credit satisfactory to the Seller established by the Buyer in favour of the Seller immediately upon receipt of the Seller's acknowledgement of order and confirmed by a United Kingdom bank acceptable to the Seller. The letter of credit shall be for the contract price inclusive of any tax or duty payable by the Buyer and shall be valid for at least 6 months or such longer period as shall have been estimated by the Seller for delivery. The Seller shall be entitled to payment on presentation to such United Kingdom bank of the documents specified by the Seller or as herein stipulated.

(C) Should the Buyer fail when requested by the Seller and within the time specified by the Seller to take any action necessary on its part for delivery and/or shipment of the goods then (i) The Seller shall be entitled by way of delivery to store the goods in a warehouse at the expense and risk of the Buyer (ii) The price shall become immediately payable (iii) If payment is secured by a Letter of Credit the Seller shall be entitled to payment on presentation of the copy sales

Terms of Sale

invoice and the warehouse receipt and (iv) The Seller shall be entitled after the expiration of 3 months from the date upon which the price became payable to dispose of the goods in such manner as the Seller may determine without accounting to the Buyer therefore:

(D) Section 32(2) of the Sale of Goods Act 1979 shall not apply. The Seller shall not be required to give the Buyer the notice specified in Section 32(3) of that Act.

Title

(A) Title to the goods shall not pass to the Buyer until the earlier of: payment in full of the price or the goods ceasing to be identifiable by virtue of their utilisation or consumption in the production of other items or materials. Until such payment, utilisation or consumption the Buyer shall have possession of the goods as bailee for the Seller and shall store the goods in such a way as to enable them to be identifiable as the property of the Seller provided that if the Buyer is purchasing the goods for resale the Buyer may in the ordinary course of its business sell and deliver the goods to a third party on condition that until such payment as aforesaid the Buyer shall hold all proceeds of such sale in trust for the Seller and in a separate account. The Buyer hereby undertakes forthwith upon being so requested by the Seller to assign to the Seller all rights and claims which the Buyer may have against its customers arising from such sales until payment is made in full as aforesaid.

(B) The Seller reserves the right to repossess any identifiable goods in respect of which payment is overdue and thereafter to re-sell the same and for this purpose the Buyer grants an irrevocable right and licence to the Seller's servants and agents to enter upon all or any of its premises with or without vehicles during normal business hours. This right shall continue to subsist notwithstanding the termination of the contract for any reason and is without prejudice to any accrued rights of the Seller there under or otherwise.

Variation

The Seller shall be determined to have fulfilled its contractual obligations in respect of any delivery though the quantity may be up to 10% more or less than the quantity specified in the contract and in such event the Buyer shall pay for the actual quantity delivered.

Third Party Rights

(A) The Buyer shall indemnify the Seller against any and all liabilities, claims and costs incurred by or made against the Seller as a direct or indirect result of the carrying out of any work required to be done on or to the goods in accordance with the requirements or specifications of the Buyer involving any infringement or alleged infringement of any rights of any third party.

(B) The Seller shall have no liability to the Buyer in the event of the goods infringing or being alleged to infringe the rights of any third party. In the event that the goods are or may be the subject of patent, copyright, registered design, trade mark or other rights of any third party the Seller shall be obliged to transfer to the Buyer only such title as the Seller may have.

Specifications

Unless expressly agreed in writing by the Seller all data sheets, specifications and particulars of physical properties submitted by the Seller are approximate only and the Seller shall have no liability in respect of any deviation therefrom. The Seller accepts no responsibility for any errors, omissions or other defects in any data sheets, specifications or particulars of physical properties not prepared by the Seller and the Seller shall be indemnified by the Buyer against any and all liabilities and expenses incurred by the Seller arising therefrom.

Liability

(A) The Seller shall not be liable to the Buyer (i) For shortages in quantity delivered unless the Buyer notifies the Seller of any claim of short delivery within 7 days of receipt of goods (ii) Where goods are carried by the Seller's own transport or by a carrier on

behalf of the Seller for damage in transit to the goods apparent upon a reasonable inspection or loss in transit of the goods or any part thereof unless the Buyer shall notify the Seller of any such claim within 14 days of receipt of the goods or the scheduled date of delivery whichever shall be the earlier (iii) For defects in the goods caused by any act, neglect or default of the Buyer or of any third party. (iv) For other defects in the goods unless notified to the Seller within 14 days of receipt of the goods by the Buyer or where the defect would not be apparent on reasonable inspection within 3 months of delivery.

(B) The Seller may at its option make good any shortage or non-delivery and/or as appropriate replace any goods found to be damaged or defective.

(C) The Seller's aggregate liability to the Buyer whether for negligence, breach of contract, misrepresentation or otherwise shall in no circumstances exceed the cost of the defective damaged or under delivered goods determined by net price invoiced to the Buyer in respect of any occurrence or series of occurrences.

(D) The Seller's prices are determined on the basis of the limits of liability set out in this Condition. The Buyer may by written notice to the Seller request the Seller to agree a higher limit of liability provided insurance cover can be obtained therefore. The Seller shall effect insurance up to such limit and the Buyer shall pay upon demand the amount of any and all premiums. The Buyer shall disclose such information as the insurer shall require. In no case shall the Buyer be entitled to recover from the Seller more than the amount received from the insurers.

(E) Without prejudice to any other provisions herein where a shelf life is specified for the goods (in any relevant data sheet or other document available to the Buyer) the Seller shall have no liability for any degradation to the goods after the expiry of such shelf life and for any resulting loss to the Buyer and any other person, firm or company

Terms of Sale

(F) Subject to the foregoing all conditions, warranties and representations expressed or implied by statute, common law or otherwise in relation to the goods are hereby excluded and the Seller shall be under no liability to the Buyer for any loss, damage or injury direct or indirect resulting from defective material, faulty workmanship or otherwise howsoever arising and whether or not caused by the negligence of the Seller, its employees or agents SAVE THAT the Seller shall accept liability for death or personal injury caused by the negligence of the Seller.

Packaging

(A) The Buyer shall meet the cost of any special packaging requested by the Buyer for any packaging rendered necessary by delivery by any means other than the Seller's normal means of delivery.

(B) The Seller shall be entitled to invoice the Buyer for the cost of all pallets and other returnable packaging materials unless the same are returned to the Seller in good condition carriage paid within 30 days of the date of delivery.

Licences and Consents

If any licence or consent of any government or other authority shall be required for the acquisition, carriage or use of the goods by the Buyer the Buyer shall obtain the same at its own expense and if necessary produce evidence of the same to the Seller on demand. Failure to do so shall not entitle the Buyer to withhold or delay payment of the price. Any additional expenses or charges incurred by the Seller resulting from such failure shall be for the Buyer's account.

Force Majeure

(A) The Seller shall not be liable to the Buyer for any loss or damage which may be suffered by the Buyer as a direct or indirect result of the supply of goods by the Seller

being prevented, hindered, delayed or rendered uneconomic by reason of circumstances or events beyond the Seller's reasonable control including but not limited to act of God, war, riot, strike, lock-out, trade dispute or labour disturbance, accident, breakdown of plant or machinery, fire, flood, storm, difficulty or increased expense in obtaining workmen, materials or transport or other circumstances affecting the supply of the goods or of raw materials therefore by the Seller's normal source of supply or the manufacture of the goods by the Seller's normal means or the delivery of the goods by the Seller's normal route or means of delivery

(B) If due to such events or circumstances the Seller has insufficient stocks to meet all its commitments the Seller may apportion available stocks between its customers at its sole discretion.

Insolvency and Default

If the Buyer makes any voluntary arrangement with its creditors or becomes subject to an administration order or permits an act of bankruptcy or compounds with his creditors or if a receiving order is made against him or if (being a company) an order is made or a resolution is passed for the winding up of the Buyer (otherwise than for the purpose of amalgamation or reconstruction) or if a receiver is appointed of any of the Buyer's assets or undertaking or if circumstances arise which entitle the court or a creditor to appoint a receiver or manager or which entitle the court to make a winding up order or if the Buyer takes or suffers any similar or analogous action in consequence of debt or commits any breach of this or any other contract between the Seller and the Buyer the Seller may without prejudice to any of its other rights stop any goods in transit and/or suspend further deliveries and/or determine the rights of the Buyer under condition 8 and/or by notice in writing to the Buyer determine the contract.

Waiver

Failure by the Seller to exercise or enforce any rights hereunder shall not be deemed to be a waiver of any such right nor operate so as to bar the exercise or enforcement thereof at any time or times thereafter.

Notices

Any notice hereunder shall be deemed to have been duly given if sent by registered post, personal delivery, telex, fax or e-mail to the party concerned at its last known address. Notices sent by registered post shall be deemed to have been given 7 days after despatch and notices sent by telex, fax or e-mail shall be deemed to have been given on the date of despatch. Notices given by personal delivery shall be deemed to be given on delivery.

Governing Law

This contract shall be governed by and construed in all respects in accordance with the laws of England and the parties hereby submit to the jurisdiction of the English court.

Health and Safety

The Seller provides Material Safety Data Sheets on request, in accordance with current legislation; the goods supplied are for supply to qualified personnel only. The goods should be used in facilities designed for chemical, biological and allied research only and not for human or animal consumption. Goods should be stored in accordance with details provided on the Material Safety Data Sheet and labels. Precautions should be taken to ensure that contact between goods and skin, eyes or other mucous membranes is avoided using where necessary protective clothing and air extraction.



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