



Darou Pakhsh Pharma. Chem. Co.
D.P.P.C.





Darou Pakhsh Pharma Chem (DPPC) is one of the key manufacturers of API, semi-finished in the form of powder, pellets and DC in the Middle East. It was established in 1992 and is a subsidiary of Tamin Pharmaceutical Investment Company (TPICO) which is in charge of strategic management of the social security investment company. Due to the perseverance of the company's management team and its personnel for ever elevation of quality criteria and their conformity with the latest worldwide market expectations and standards has led to implementation of IMS managerial system, operating on quality management systems. HSE, energy management systems, CRM, knowledge management and qualified for the certificates of ISO9001:2015, ISO45001:2018 , ISO14001:2015, ISO10015:1999, ISO10004:2018, ISO10002: 2014, ISO50001:2011, ISO10013:2001, ISO17025:2017.

DPPC CO has been awarded the Iran FDA GMP certificate for API production division and semi-finished pellet and DC production division.



Export promotion is a major strategy of TPICO which has two approaches of the expansion of present markets and creation of new markets taking heed of quality and competitive prices as well as offering new products to promote exports. To that end, the company's exports have seen a hike and has managed to export its products specially potassium clavulanate mixed with syloid and avicel and amoxicilin, lidocaine base and lidocaine HCL, piroxicam, atenolol, and ferrous fumarate to Germany, Russia, Ukrain, Turkey, Pakistan, Syria, Uzbekistan, the UAE, Bangladesh, Kazakhstan, Guatemala, Egypt, Singapore and Iraq.

The company has registered its potassium clavulanate mixed with avicel and potassium clavulanate mixed with syloid in India. Setting this as target market, the company has put on its agenda the export of those products to the Indian sub-continent and its neighboring countries. The company plans to obtain CEP to be able to export potassium clavulanate to European markets.

DPPC is developing it's secend division in Kermanshah province for production of bulk API's.





Mission

Darou Pakhsh Pharma Chem Company is committed to improve social health and pharmaceuticals industry via optimized production of Active Pharmaceutical Ingredients (API) and semi-finished pharmaceuticals based on international standards in global market.

Vision

Darou Pakhsh Pharma Chem Company's vision is to become the number one in API pharmaceutical corporations in Iran and to be one of the top 10 in the Middle East up to 2022. DPPC aims to become a well-known pharmaceutical company in Middle East within 5 years.

List of DPPC API Products 2020

No	Product Name	Page No	Form	Category
01	ATENOLOL	11	API (Powder)	Cardiovascular
02	CARVEDILOL	12	API (Powder)	
03	CAPTOPRIL	13	API(Powder)	
04	DILTIAZEM HCl	14	API (Powder)	
05	LOSARTAN POTASSIUM	15	API (Powder)	
06	VALSARTAN	16	API (Powder)	
07	METOPROLOL SUCCINATE	17	API (Powder)	
08	METOPROLOL TARTRATE	18	API (Powder)	
09	PROPRANOLOL	19	API (Powder)	
10	AZITHROMYCIN 2H ₂ O	20	API (Powder)	Antibacterial
11	CLARITHROMYCIN	21	API (Powder)	
12	CLINDAMYCIN HCl	22	API(Powder)	
13	POTASSIUM CLAVULANATE + MCC	23	API(Powder)	
14	POTASSIUM CLAVULANATE + SYLOID	24	API (Powder)	
15	POTASSIUM CLAVULANATE + AMOXICILLIN	25	API (Powder)	
16	DAPOXETINE HCl	26	API (Powder)	Urological
17	SILDENAFIL CITRATE	27	API (Powder)	
18	TAMSULOSIN HCl	28	API (Powder)	

List of DPPC API Products 2020

No	Product Name	Page No	Form	Category
19	SODIUM VALPROATE	29	API (Powder)	Antiepileptic
20	DIVALPROEX SODIUM	30	API (Powder)	
21	GABAPENTIN	31	API (Powder)	
22	LAMOTRIGINE	32	API (Powder)	
23	DONEPEZIL HCl 2H ₂ O	33	API (Powder)	Alzheimer's disease
24	MEMANTINE HCl	34	API (Powder)	
25	RIVASTIGMINE TARTRATE	35	API (Powder)	
26	PIROXICAM	36	API (Powder)	Analgesic and Anti-Inflammatory Drugs and Antipyretic
27	DICLOFENAC SODIUM	37	API (Powder)	
28	BACLOFEN	38	API (Powder)	Muscle Relaxants
29	METHOCARBAMOL	39	API (Powder)	Antihistamines
30	CETIRIZINE HCl	40	API (Powder)	
31	FEXOFENADINE HCl	41	API (Powder)	
32	LORATADINE	42	API (Powder)	Antiemetic drugs
33	APREPITANT	43	API (Powder)	
34	GRANISETRON HCl	44	API (Powder)	
35	ONDANSETRON HCl	45	API (Powder)	Nutritional Agents and Vitamins
36	FERROUS FUMARATE	46	API (Powder)	
37	VITAMIN B1	47	API (Powder)	

List of DPPC API Products 2020

No	Product Name	Page No	Form	Category
38	FENOFIBRATE	48	API (Powder)	Lipid-lowering agent
39	LIDOCAINE BASE / HCl	49	API (Powder)	Local Antesthetics
40	MONTELUKAST SODIUM	50	API (Powder)	Bronchodilators and Anti-asthma
41	NOSCAPINE BASE / HCl	51	API (Powder)	Cough suppressant
42	VARENICLINE TARTRATE	52	API (Powder)	Nicotine addiction treatment
43	SUMATRIPTAN SUCCINATE	53	API (Powder)	Anti-migraine drug
44	BRIMONIDINE TARTRATE	54	API (Powder)	Anti-glaucoma drug
45	REPAGLINIDE	55	API (Powder)	Antidiabetic agents
46	ADAPALENE	56	API (Powder)	Acne vulgaris treatment
47	MEBENDAZOLE	57	API (Powder)	Anthelmintics



List of DPPC Semi-finished Products 2020

No	Product Name	Page No	Form	Category
01	APREPITANT	60	Pellet IR 40%	Antiemetic drugs
02	DICLOFENAC SODIUM	61	Pellet SR 40% and 52%	Analgesic and Anti-Inflammatory Drugs and Antipyretic
03	DULOXETINE HCl	62	Pellet ER 20%	Antidepressant
04	ORLISTAT	63	Pellet IR 35% and 50%	Obesity treatment
05	RIVASTIGMINE TARTRATE	64	Pellet IR 2%	Alzheimer's disease
06	TAMSULOSIN HCl	65	Pellet SR 0.16% and 0.2%	Urological
07	THEOPHYLLINE	66	Pellet SR 60%	Bronchodilators and Anti-asthma
08	AZITHROMYCIN TASTE MASKED	67	Granular and Powder	Antibacterial

List of DPPC Under Development Products 2020

No	Product Name	Form	Category
01	TETRABENAZINE	API (Powder)	Hyperkinetic movement disorders treatment
02	APIXABAN	API (Powder)	Anticoagulant
03	ZOLPIDEM TARTRATE	API (Powder)	Sleeping disorder treatment
04	DEFERASIROX	API (Powder)	Iron chelator
05	ROSUVASTATIN CALCIUM	API (Powder)	Lipid-lowering agent
06	PRILOCAINE HCl	API (Powder)	Local anesthetic
07	MESALAZINE	API (Powder)	Inflammatory bowel disease treatment
08	VITAMIN B5	API (Powder)	Vitamins
09	CEFIXIME	API (Powder)	Antibacterial
10	CLINDMYCIN BASE / PHOSPHATE / HCl	API (Powder)	
11	ERYTHROMYCIN ETHYLSUCCINATE	API (Powder)	
12	FEXOFENADINE HCl TASTE MASKED	API (Micronized Powder)	Antihistamines

Atenolol (BP,USP)

General Properties

Physical form and appearance White or almost white powder

Physical state solid

Form powder

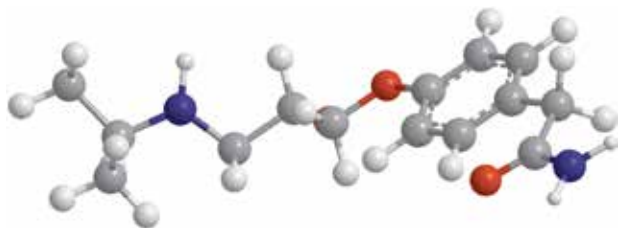
Molecular weight 266.3

Molecular formula $C_{14}H_{22}N_2O_3$

Identification HPLC

Solubility Sparingly soluble in water, soluble in ethanol, slightly soluble in methylene chloride.

Storage Preserve in well-closed containers. Store at room temperature.



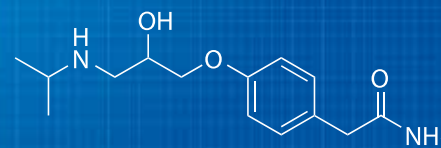
International nonproprietary name (INN)
Atenolol

IUPAC Name
2-[4-[2-hydroxy-3-(propan-2-ylamino)propoxy]phenyl]acetamide

Cas registry No.
29122-68-7

indication
Beta-adrenoceptor antagonist

structure



General Properties

International nonproprietary name (INN)
Carvedilol

IUPAC Name

1-(9H-carbazol-4-yloxy)-3-[2-(2-methoxyphenoxy)ethylamino]propan-2-ol

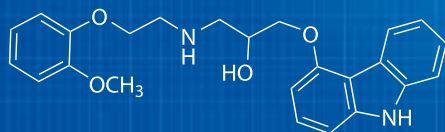
Cas registry No.

72956-09-3

indication

Beta-adrenoceptor antagonist ; arteriolar vasodilator.

structure



Carvedilol (BP,EP)

Physical form and appearance White or almost white, crystalline powder

Physical state solid

Form powder

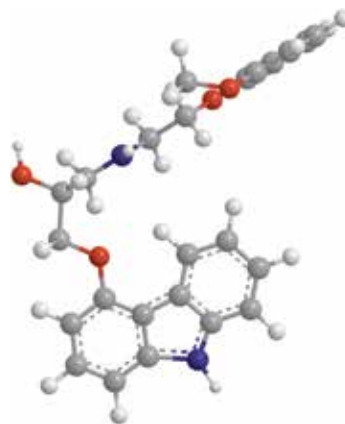
Molecular weight 406.5

Molecular formula C₂₄H₂₆N₂O₄

Identification HPLC

Solubility Practically insoluble in water, soluble in methylene chloride slightly soluble in ethanol (96%), practically insoluble in dilute acids.

Storage Preserve in well-closed containers. Store at room temperature.



Captopril (USP)

General Properties

Physical form and appearance White or almost white, crystalline powder

Physical state solid

Form powder

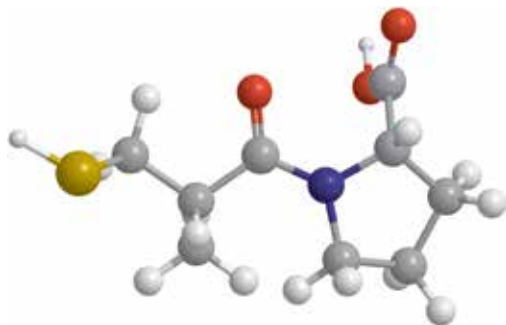
Molecular weight 217.29 g/mol

Molecular formula $C_9H_{15}NO_3S$

Identification Specific optical rotation
Infrared absorption
spectrophotometry

Solubility Soluble in water, freely soluble in methanol and in methylene chloride. It dissolves in dilute solutions of alkali hydroxides.

Storage Preserve in tight containers.



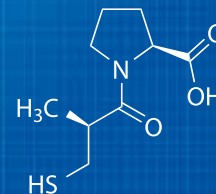
International nonproprietary name (INN)
Captopril

IUPAC Name
(2S)-1-[(2S)-2-methyl-3-sulfanylpropanoyl]pyrrolidine-2-carboxylic acid

Cas registry No.
62571-86-2

indication
treatment of hypertension

structure



General Properties

International nonproprietary name (INN)
Diltiazem hydrochloride

IUPAC Name

[(2S,3S)-5-[2-(dimethylamino)ethyl]-2-(4-methoxyphenyl)-4-oxo-2,3-dihydro-1,5-benzothiazepin-3-yl] acetate; hydrochloride

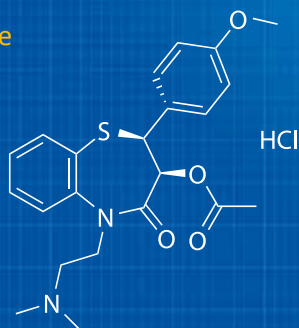
Cas registry No.

33286-22-5

indication

Non-Dihydropyridine calcium channel blocker

structure



Diltiazem hydrochloride (USP)

Physical form and appearance White odorless crystalline powder or small crystals

Physical state solid

Form powder

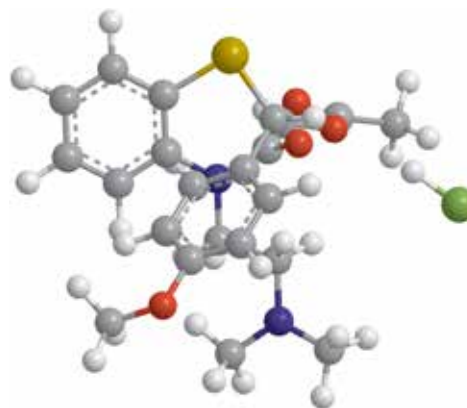
Molecular weight 450.98

Molecular formula $C_{22}H_{26}N_2O_4 \cdot HCl$

Identification HPLC

Solubility Freely soluble in chloroform, in formic acid, in methanol, and in water. Sparingly soluble in dehydrated alcohol, insoluble in ether.

Storage Preserve in well-closed, light resistant containers.



Losartan potassium (USP)

General Properties

Physical form and appearance White to off-white powder

Physical state solid

Form powder

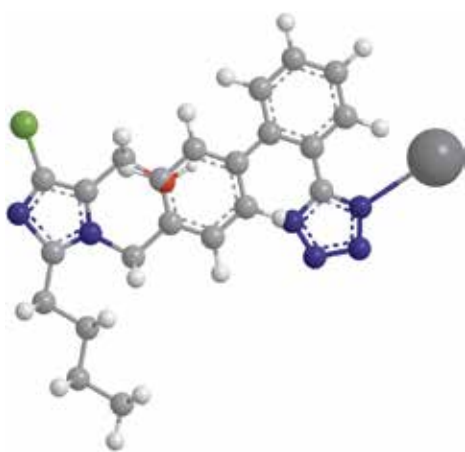
Molecular weight 461.00

Molecular formula $C_{22}H_{22}ClKN_6O$

Identification Infrared is similar to standard

Solubility Freely soluble in water, soluble in isopropyl alcohol, slightly soluble in acetonitrile.

Storage Preserve in well-closed containers. Store at room temperature.



International non proprietary name (INN)
Losartan potassium

IUPAC Name

potassium;[2-butyl-5-chloro-3-[[4-[2-(1,2,3-triaza-4-azanidacyclopenta-2,5-dien-5-yl)phenyl]phenyl]methyl]imidazol-4-yl]methanol

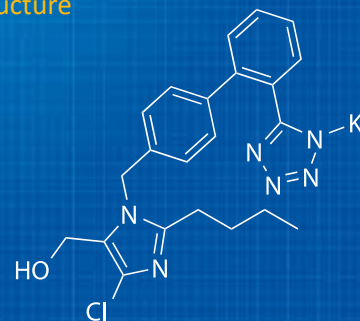
Cas registry No.

124750-99-6

indication

Angiotensin receptor blockers

structure



General Properties

International nonproprietary name (INN)

Valsartan

IUPAC Name

(2S)-3-Methyl-2- [pemanoyl[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]amino]butanoic acid.

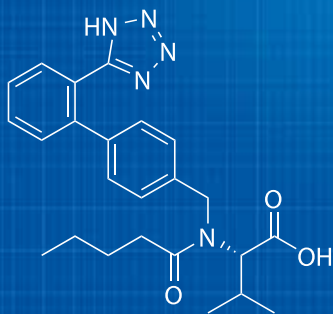
Cas registry No.

137862-53-4

indication

Angiotensin receptor blockers

structure



Valsartan (BP,EP,USP)

Physical form and appearance White or almost white, hygroscopic powder

Physical state solid

Form powder

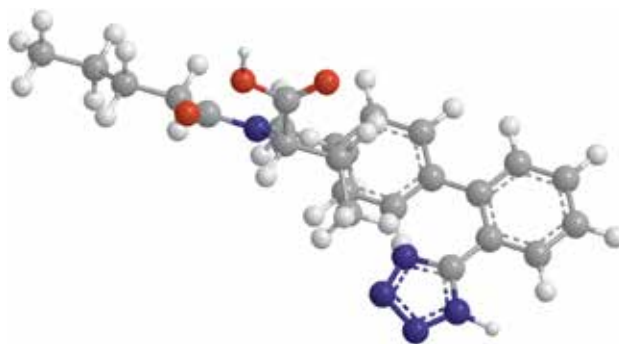
Molecular weight 435.519

Molecular formula $C_{24}H_{29}N_5O_3$

Identification Infrared absorption spectrophotometry
Specific optical rotation

Solubility Practically insoluble in water, freely soluble in anhydrous ethanol, sparingly soluble in methylene chloride.

Storage In an airtight container.



Metoprolol Succinate (BP)

General Properties

Physical form and appearance White or almost white, crystalline powder

Physical state solid

Form powder

Molecular weight 653 g/mol

Molecular formula $C_{34}H_{56}N_2O_{10}$

Identification Infrared absorption

Solubility Freely soluble in water, soluble in methanol, slightly soluble in ethanol (96%), very slightly soluble in ethyl acetate.

Storage Protected from light.

International non proprietary name (INN)
Metoprolol Succinate

IUPAC Name

Bis[(2RS)-1-[4-(2-methoxyethyl)phenoxy]-3-[(1-methylethyl)amino]propan-2-ol]butanedioate.

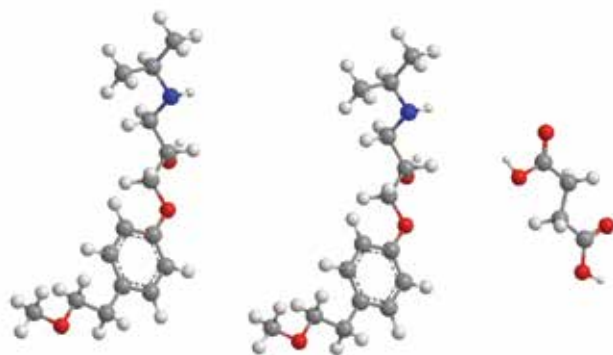
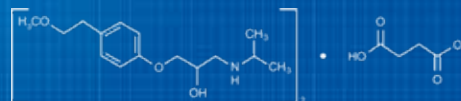
Cas registry No.

98418-47-4

indication

Beta-adrenoceptor antagonist.
Hypertension. Angina pectoris.

structure



General Properties

International nonproprietary name (INN)
Metoprolol Tartrate

IUPAC Name

Bis[(2RS)-1-[4-(2-methoxyethyl)phenoxy]-3-[(1-methylethyl)amino]propan-2-ol](2R,3R)-2,3-dihydroxybutanedioate

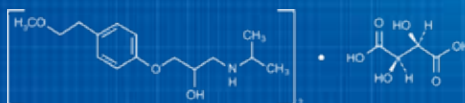
Cas registry No.

56392-17-7

indication

Beta-adrenoreceptor antagonist.
Hypertension. Angina pectoris

structure



Metoprolol Tartrate (BP)

Physical form and appearance White or almost white, crystalline powder or colorless crystals

Physical state solid

Form powder

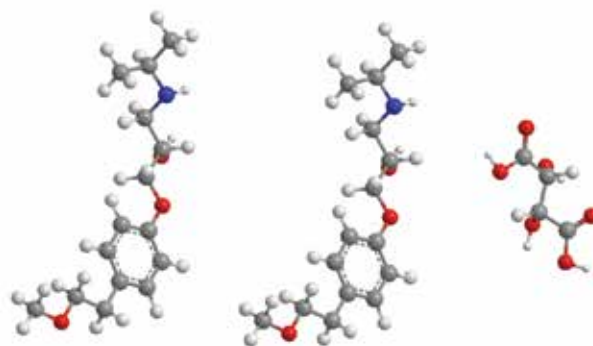
Molecular weight 685

Molecular formula $C_{34}H_{56}N_2O_{12}$

Identification HPLC

Solubility Very soluble in water, freely soluble in ethanol (96%).

Storage Protected from light.



Propranolol Hydrochloride (BP,USP)

General Properties

Physical form and appearance White or almost white powder

Physical state solid

Form powder

Molecular weight 295.8

Molecular formula $C_{16}H_{22}ClNO_2$

Identification Infrared absorption

Solubility Soluble in water and alcohol.

Storage Preserve in well-closed containers.
Store at room temperature.

International nonproprietary name (INN)

Propranolol Hydrochloride

IUPAC Name

1-naphthalen-1-yloxy-3-(propan-2-ylamino)
propan-2-ol;hydrochloride

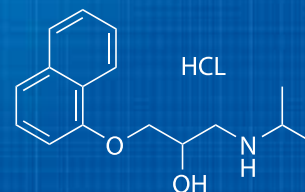
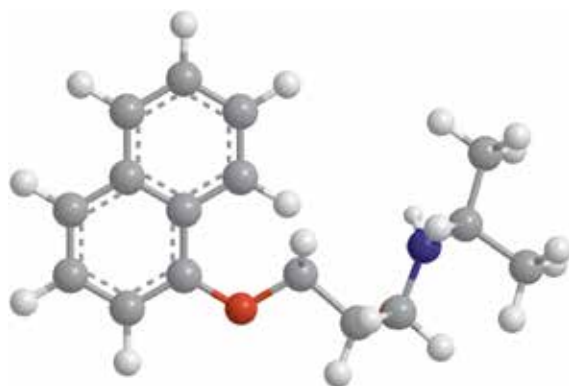
Cas registry No.

318-98-9

indication

Beta-adrenoreceptor antagonist

structure



General Properties

International nonproprietary name (INN)
Azithromycin dihydrate

IUPAC name

(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-11-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy-2-ethyl-3,4,10-trihydroxy-13-[(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyloxan-2-yl]oxy-3,5,6,8,10,12,14-heptamethyl-1-oxa-6-azacyclopentadecan-15-one; dihydrate

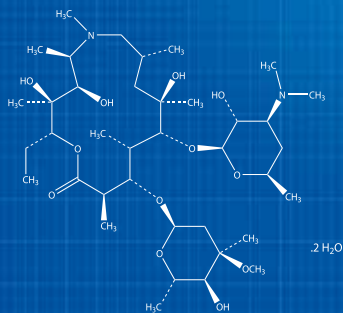
Cas registry No.

83905-01-5

indication

Macrolide antibacterial

structure



Azithromycin dihydrate (BP,EP,USP)

Physical form and appearance White or almost white powder

Physical state solid

Form powder

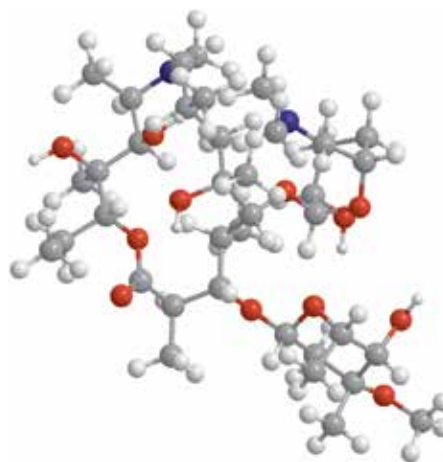
Molecular weight 749

Molecular formula $C_{38}H_{72}N_2O_{12} \cdot 2H_2O$

Identification HPLC

Solubility Practically insoluble in water, freely soluble in anhydrous ethanol and in methylene chloride.

Storage Preserve in well-closed containers.



CLARITHROMYCIN (USP)

General Properties

Physical form and appearance White or almost white powder

Physical state solid

Form powder

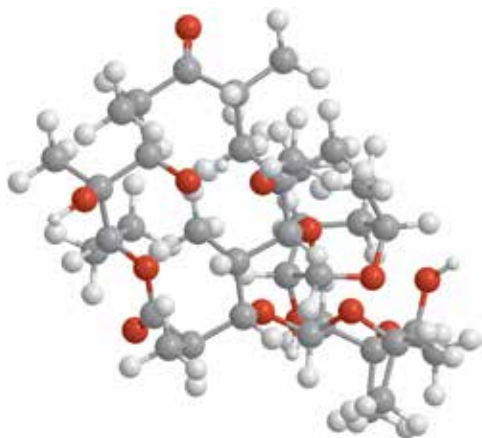
Molecular weight 748

Molecular formula $C_{14}H_{22}N_2O_3$

Identification HPLC

Solubility Sparingly soluble in water, soluble in ethanol, slightly soluble in methylene chloride.

Storage Preserve in well-closed containers. Store at room temperature.



International nonproprietary name (INN)
Clarithromycin

IUPAC Name

2-[4-[2-hydroxy-3-(propan-2-ylamino)propoxy]phenyl]acetamide

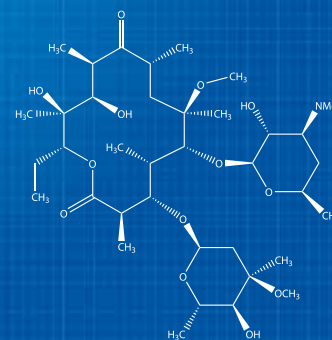
Cas registry No.

81103-11-9

indication

Beta-adrenoreceptor antagonist

structure



General Properties

International nonproprietary name (INN)
Clindamycin Hydrochloride

IUPAC name

Methyl 7-chloro-6, 7,8-trideoxy-6-[[[(2S,4R)-1-methyl-4-propylpyrrolidin-2-yl) carbonyl] amino]-1-thio-L-threo- α -D-galactro-octopyranoside hydrochloride

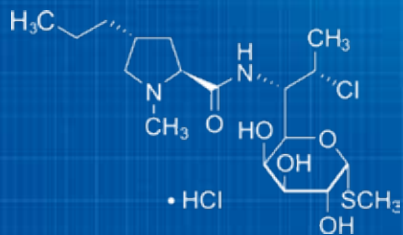
Cas registry No.

21462-39-5

indication

Lincosamide antibacterial.

structure



Clindamycin Hydrochloride (BP)

Physical form and appearance White or almost white, crystalline powder

Physical state solid

Form powder

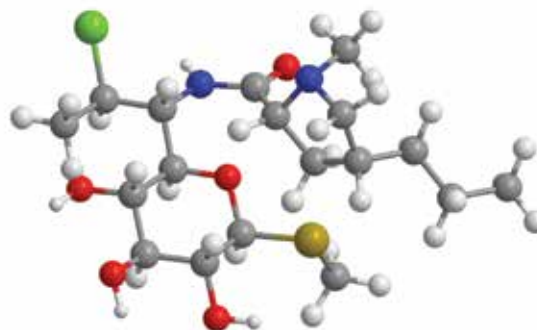
Molecular weight 461.5

Molecular formula C₁₈H₃₄Cl₂N₂O₅S

Identification Infrared absorption

Solubility Very soluble in water, slightly soluble in ethanol (96%).

Storage In an airtight container.



Clavulanate potassium + microcrystalline cellulose (BP,EP)

General Properties

Physical form and appearance White or almost white crystalline powder, hygroscopic

Physical state solid

Form powder

Molecular weight 237.3 (just for potassium clavulanate)

Molecular formula $C_8H_8KNO_5 + (C_6H_{10}O_5)_n$

Identification HPLC and UV

Solubility P.C. is soluble in water freely, M.C. is insoluble in water.

Storage Preserve in well-closed containers.

International nonproprietary name (INN)

Potassium Clavulanate + Microcrystalline Cellulose

IUPAC name

potassium;(2R,3Z,5R)-3-(2-hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylate & microcrystalline cellulose

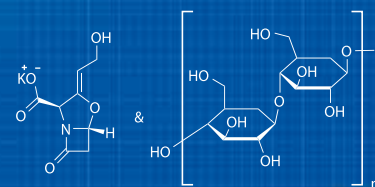
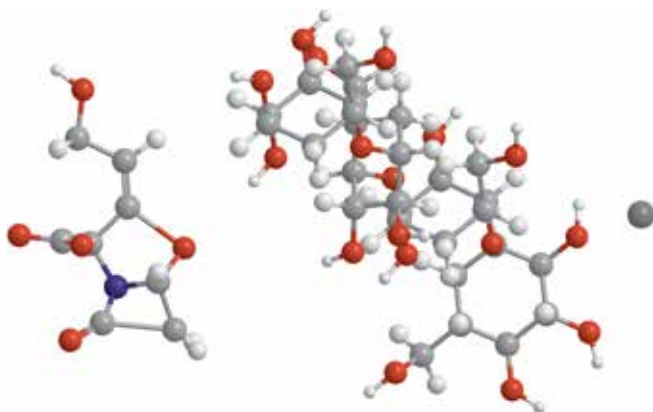
Cas registry No.

61177-45-5 & 9004-34-6

indication

Beta-lactamase inhibitor.

structure



General Properties

International nonproprietary name (INN)
Clavulanate potassium + Silicon Dioxide

IUPAC name

potassium;(2R,3Z,5R)-3-(2-hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylate
&
silicon dioxide

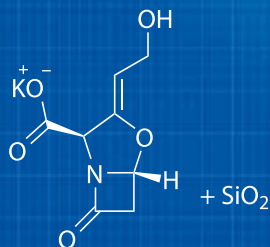
Cas registry No.

61177-45-5 & 7631-86-9

indication

Beta-lactamase inhibitor.

structure



Clavulanate potassium + Silicon Dioxide (BP,EP)

Physical form and appearance White or almost white crystalline powder, hygroscopic

Physical state solid

Form powder

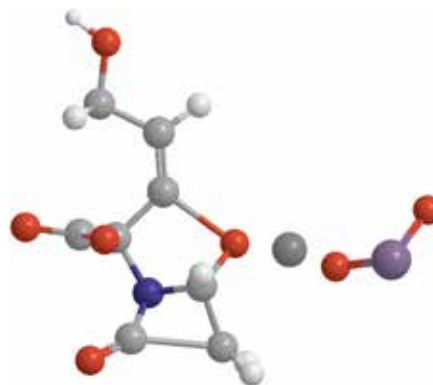
Molecular weight 237.3 (just for Potassium Clavulanate)

Molecular formula C₈H₈KNO₅ + SiO₂

Identification HPLC

Solubility P.C. is soluble in water freely.

Storage Preserve in well-closed containers.



POTASSIUM CLAVULANATE + AMOXICILLIN (BP)

General Properties

Physical form and appearance White or almost white crystalline powder, hygroscopic

Physical state solid

Form powder

Molecular weight 602.11

Molecular formula $C_{24}H_{27}KN_4O_{10}S$

Identification HPLC

Assay(HPLC) 1:4 Clav anhydrous (175-204)/
Amoxi(698-816)
1:7 Clav anhydrous (110-130)/ Amoxi
(772-903)

Storage Preserve in tight containers.

International nonproprietary name (INN)

Amoxicillin-Potassium Clavulanate
Combination

IUPAC name

potassium (3Z,5R)-3-(2-
hydroxyethylidene)-7-oxo-4-oxa-1-
azabicyclo[3.2.0]heptane-2-carboxylate
&
amoxicillin

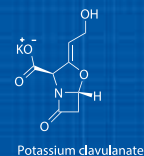
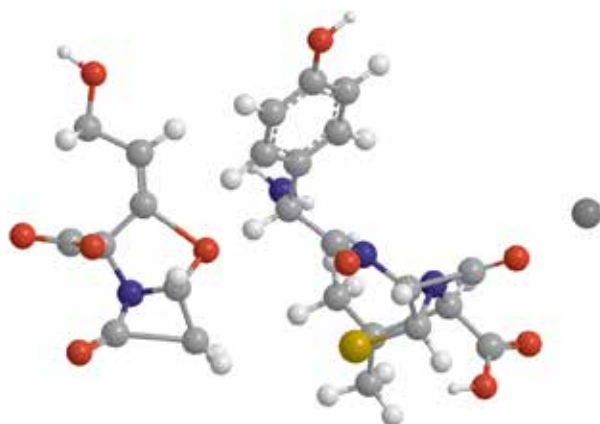
Cas registry No.

74469-00-4

indication

Beta-lactamase inhibitor.

structure



General Properties

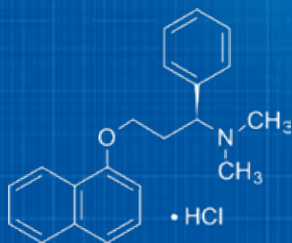
International nonproprietary name (INN)
Dapoxetine Hydrochloride

IUPAC name
(S)-N,N-dimethyl-1-phenyl-3-(1-naphthalenyloxy) propanamine hydrochloride

Cas registry No.
129938-20-1

indication
Treatment of premature ejaculation.

structure



Dapoxetine Hydrochloride (In-House)

Physical form and appearance White or off-white, crystalline powder

Physical state solid

Form powder

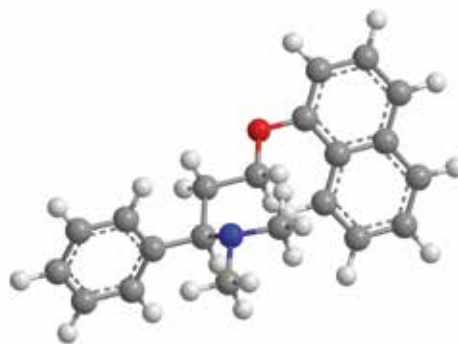
Molecular weight 341.87

Molecular formula $\text{C}_{21}\text{H}_{23}\text{NO}\cdot\text{HCl}$

Identification Infrared absorption

Solubility Soluble in methanol, acetonitrile, dichloromethane, insoluble in water and isopropyl alcohol.

Storage Preserve in tightly closed container.



Sildenafil Citrate (USP)

General Properties

Physical form and appearance White or almost white slightly hygroscopic crystalline powder

Physical state solid

Form powder

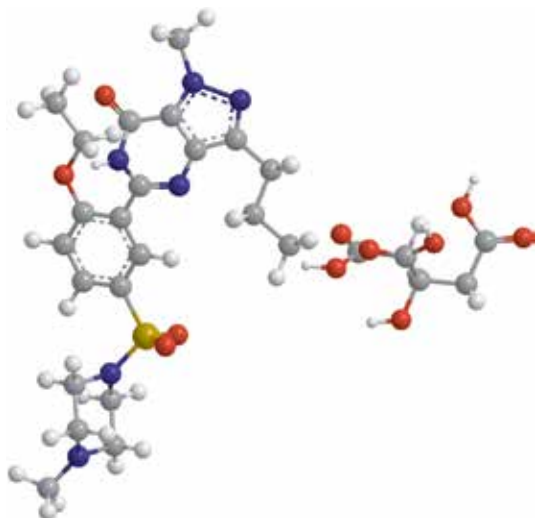
Molecular weight 70

Molecular formula $C_{28}H_{38}N_6O_{11}S$

Identification HPLC

Solubility Slightly soluble in methanol and water, practically insoluble in hexane.

Storage Preserve in air – tight containers. Store at room temperature.



International non proprietary name (INN)
Sildenafil citrate

IUPAC name

5-[2-ethoxy-5-(4-methylpiperazin-1-yl)sulfonylphenyl]-1-methyl-3-propyl-4H-pyrazolo[4,3-d]pyrimidin-7-one;2-hydroxypropane-1,2,3-tricarboxylic acid

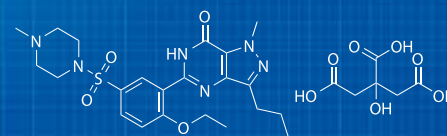
Cas registry No.

171599-83-0

indication

Selective inhibitor of cyclic GMP-specific phosphodiesterase (type V) with vasodilator action; treatment of erectile dysfunction.

structure



General Properties

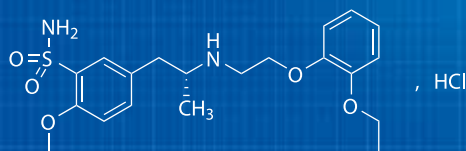
International nonproprietary name (INN)
Tamsulosin hydrochloride

IUPAC name
5-[(2R)-2-[2-(2-ethoxyphenoxy)ethyl-
amino]propyl]-2-methoxybenzenesulfo-
namide;hydrochloride

Cas registry No.
106463-17-6

indication
Alpha-1-adrenoceptor antagonist.

structure



Tamsulosin Hydrochloride (USP)

Physical form and appearance White to almost white pellet

Physical state solid

Form powder

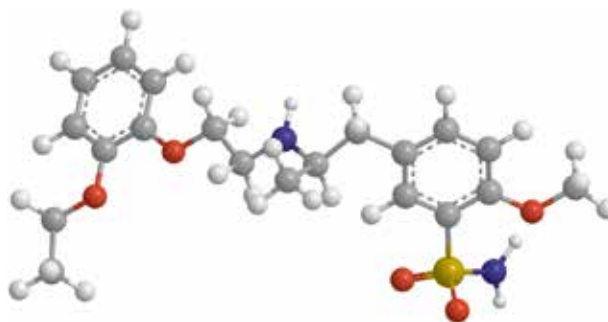
Molecular weight 445.0

Molecular formula $C_{20}H_{29}ClN_2O_5S$

Identification HPLC

Solubility Slightly soluble in water, freely soluble in formic acid, slightly soluble in anhydrous ethanol.

Storage Preserve in well-closed containers. Store at room temperature.



Sodium Valproate (BP,EP)

General Properties

Physical form and appearance White to almost white powder, crystalline, hygroscopic powder

Physical state solid

Form powder

Molecular weight 166.2

Molecular formula $C_8H_{15}NaO_2$

Identification Infrared absorption

Solubility Very soluble in water, freely soluble in ethanol (96%).

Storage Preserve in an airtight containers.

International nonproprietary name (INN)

Sodium valproate

IUPAC name

sodium;2-propylpentanoate

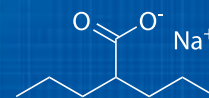
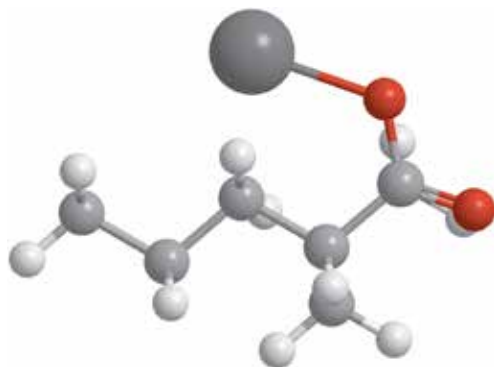
Cas registry No.

1069-66-5

indication

Antiepileptic

structure



General Properties

International nonproprietary name (INN)

Divalproex sodium

IUPAC name

sodium;2-propylpentanoate;2-propylpentanoic acid

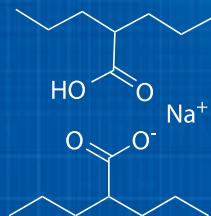
Cas registry No.

76584-70-8

indication

Antiepileptic; Anticonvulsant that also acts as a mood stabilizer for those with bipolar disorder.

structure



Divalproex sodium (USP)

Physical form and appearance White to off white powder

Physical state solid

Form powder

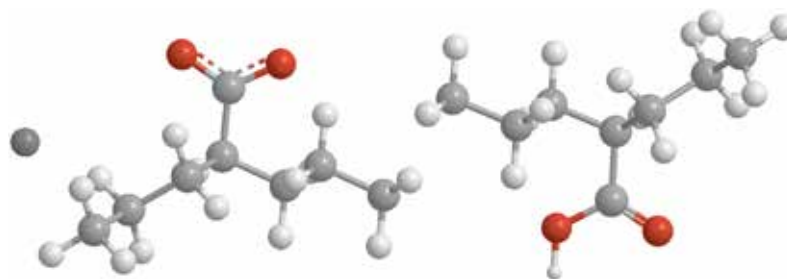
Molecular weight 310.41

Molecular formula C₁₆H₃₁NaO₄

Identification Infrared absorption

Solubility Very soluble in chloroform, freely soluble in methanol and in ethyl ether. Soluble in acetone practically in soluble in acetonitrile.

Storage Preserve in tight, light-resistant containers at controlled room temperature.



Gabapentin (USP)

General Properties

Physical form and appearance White to off white crystalline solid

Physical state solid

Form powder

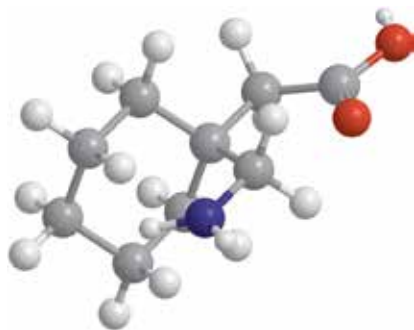
Molecular weight 171.24

Molecular formula $C_9H_{17}NO_2$

Identification HPLC

Solubility Freely soluble in water and in alkaline and acidic solutions.

Storage Preserve in well-closed containers. Store at room temperature.



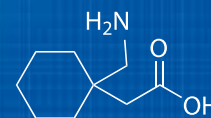
International nonproprietary name (INN)
Gabapentin

IUPAC name
2-[1-(aminomethyl)cyclohexyl]acetic acid

Cas registry No.
60142-96-3

indication
Management of postherpetic neuralgia in adults.

structure



General Properties

International nonproprietary name (INN)

Lamotrigine

IUPAC name

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

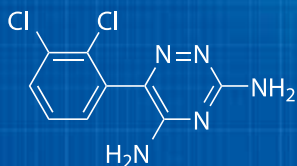
Cas registry No.

84057-84-1

indication

Antiepileptic

structure



Lamotrigine (BP,EP)

Physical form and appearance White or almost white powder

Physical state solid

Form powder

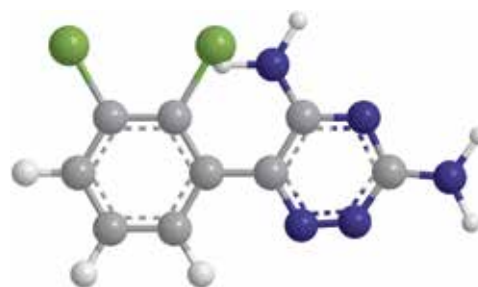
Molecular weight 256.1

Molecular formula C₉H₇Cl₂N₅

Identification Infrared absorption

Solubility Very slightly soluble in water, slightly soluble in anhydrous ethanol.

Storage Preserve in tight, light-resistant containers at room temperature.



Donepezil Hydrochloride (USP)

General Properties

Physical form and appearance White to off-white crystalline powder

Physical state solid

Form powder

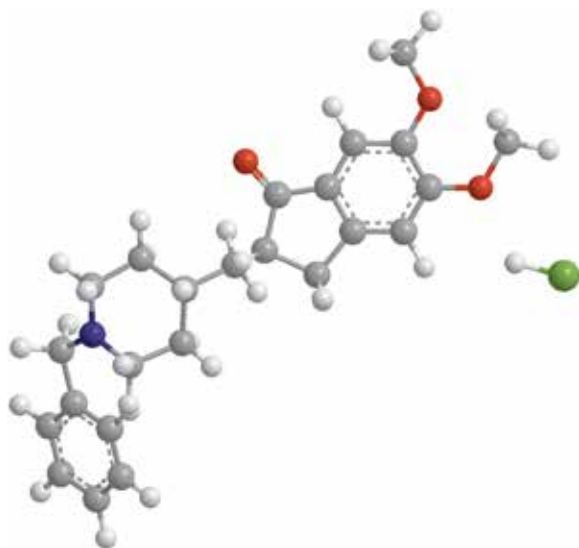
Molecular weight 415.95

Molecular formula $C_{24}H_{30}ClNO_3$

Identification Infrared Absorption

Solubility Soluble in water.

Storage Store in original containers.
Keep containers securely sealed.



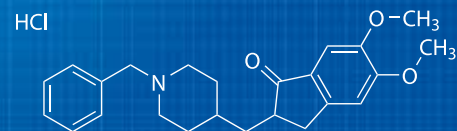
International nonproprietary name (INN)
Donepezil Hydrochloride

IUPAC name
(±)-2-[[1-Benzyl-4-piperidyl)methyl]-5,6-dimethoxy-1-indanone hydrochloride

Cas registry No.
120011-70-3

indication
Treatment of Alzheimer's disease

structure



General Properties

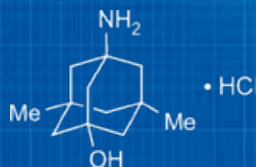
International nonproprietary name (INN)
Memantine Hydrochloride

IUPAC name
Tricyclo[3.3.1.1.3,7]decan-1-amine,
3,5-dimethyl, hydrochloride

Cas registry No.
41100-52-1

indication
Treatment of moderate to severe de-
mentia related to Alzheimer's disease.

structure



Memantine Hydrochloride (USP)

Physical form and appearance White to off-white, colored powder

Physical state solid

Form powder

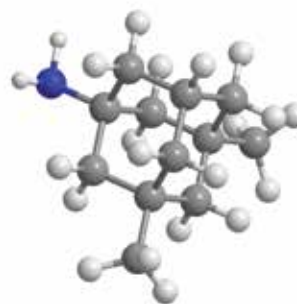
Molecular weight 215.76

Molecular formula C₁₂H₂₁N. HCl

Identification HPLC

Solubility Slightly soluble in water.

Storage Preserve in well-closed containers.
Store at controlled room temperature.



Rivastigmine Tartrate (USP)

General Properties

Physical form and appearance White to off-white powder

Physical state solid

Form powder

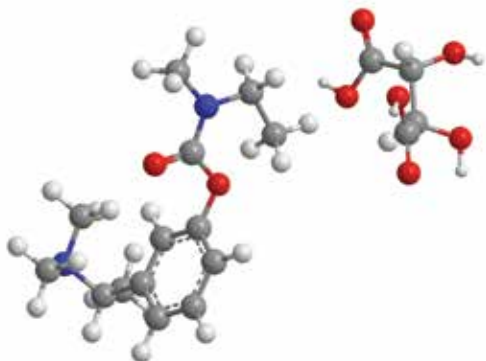
Molecular weight 400.42

Molecular formula $C_{14}H_{22}N_2O_2 \cdot C_4H_6O_6$

Identification HPLC

Solubility Very soluble in water and in methanol, very slightly soluble in ethyl acetate.

Storage Preserve in tight containers, and store at room temperature.



International nonproprietary name (INN)

Rivastigmine Tartrate

IUPAC name

Ethylmethylcarbamic acid, 3-[(S)-1-(Dimethylamino(ethyl)) phenyl ester, (2R,3R)-2,3-dihydroxybutanedioate

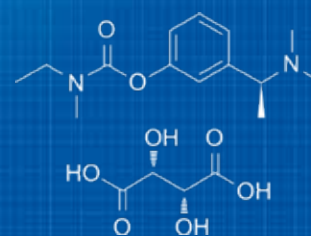
Cas registry No.

123441-03-2

indication

Cholinesterase inhibitor; treatment of dementia in Alzheimer's disease and Parkinson's disease.

structure



General Properties

International nonproprietary name (INN)
Piroxicam

IUPAC name

4-Hydroxy-2-methyl-N-(2-pyridinyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide

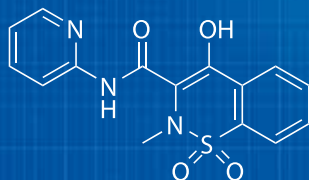
Cas registry No.

36322-90-4

indication

Cyclooxygenase inhibitor; analgesic; anti-inflammatory

structure



Piroxicam (BP,USP)

Physical form and appearance A white or slightly yellow crystalline powder

Physical state solid

Form powder

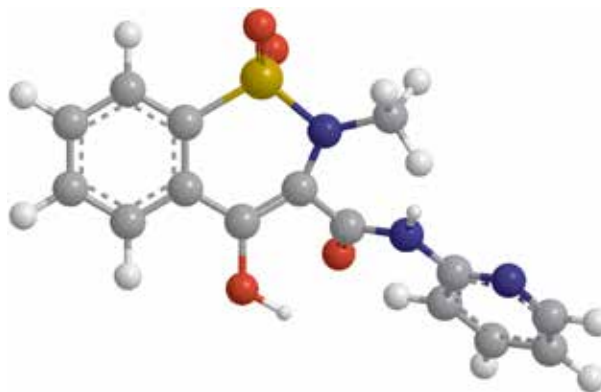
Molecular weight 331.4

Molecular formula C₁₅H₁₃N₃O₄S

Identification HPLC

Solubility Practically insoluble in water, soluble in methylene chloride slightly soluble in ethanol.

Storage Preserve in tight, light - resistant containers.



Diclofenac sodium (BP,EP,USP)

General Properties

Physical form and appearance A white or slightly yellowish crystalline powder, slightly hygroscopic

Physical state solid

Form powder

Molecular weight 318.13

Molecular formula $C_{14}H_{10}Cl_2NNaO_2$

Identification HPLC

Solubility Freely soluble in chloroform, in formic acid, in methanol, and in water. Sparingly soluble in dehydrated alcohol, insoluble in ether.

Storage Preserve in tight, light-resistant containers.



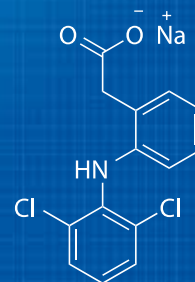
International nonproprietary name (INN)
Diclofenac sodium

IUPAC name
sodium;2-[2-(2,6-dichloroanilino)phenyl]acetate

Cas registry No.
15307-79-6

Indication
Cyclooxygenase inhibitor; analgesic; anti-inflammatory

structure



General Properties

International nonproprietary name (INN)

Baclofen

IUPAC name

Butanoic acid, 4-amino-3-(4-chlorophenyl)-;
 β -(Aminomethyl)-p-chlorohydrocinnamic acid

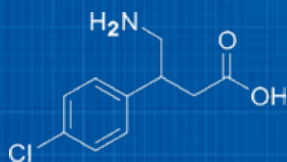
Cas registry No.

1134-47-0

indication

Skeletal muscle relaxant.

structure



Baclofen (USP)

Physical form and appearance White to off-white crystalline powder. Is colorless or practically so

Physical state solid

Form powder

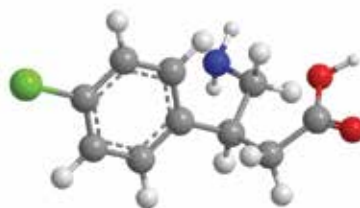
Molecular weight 213.66

Molecular formula C₁₀H₁₂ClNO₂

Identification HPLC

Solubility Slightly soluble in water, very slightly soluble in methanol, insoluble in chloroform.

Storage Preserve in tight containers. Store at room temperature.



Methocarbamol (USP)

General Properties

Physical form and appearance White powder, odorless, or having a slight characteristic odor. Melts at about 94°C, or, if previously ground to a fine powder, melts at about 90°C

Physical state solid

Form powder

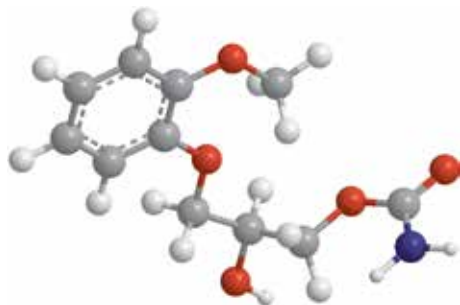
Molecular weight 241.24

Molecular formula C₁₁H₁₅NO₅

Identification Infrared Absorption
98.5-101.5% w/w

Solubility Sparingly soluble in water and in chloroform; insoluble in benzene and in n-hexane.

Storage Preserve in tight containers. Store at controlled room temperature.



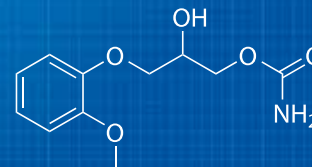
International non proprietary name (INN)
Methocarbamol

IUPAC name
[2-hydroxy-3-(2-methoxyphenoxy)propyl]
carbamate

Cas registry No.
532-03-6

indication
anodyne

structure



General Properties

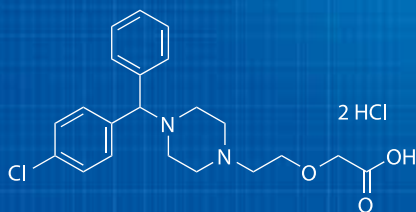
International nonproprietary name (INN)
Cetirizine Dihydrochloride

IUPAC name
2-[2-[4-[(4-chlorophenyl)-phenylmethyl]piperazin-1-yl]ethoxy]acetic acid; dihydrochloride

Cas registry No.
83881-52-1

indication
Histamine H1 receptor antagonist; anti-histamine.

structure



Cetirizine Hydrochloride (BP,EP)

Physical form and appearance White or almost white powder

Physical state solid

Form powder

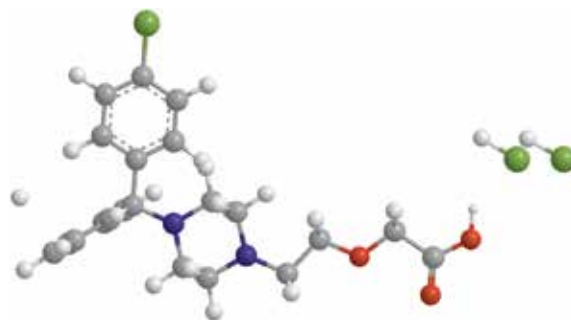
Molecular weight 461.8

Molecular formula $C_{21}H_{25}ClN_2O_3$, 2HCL

Identification HPLC

Solubility Freely soluble in water, practically insoluble in acetone and in methylene chloride.

Storage Preserve in tight containers, protected from light and moisture. Store at room temperature.



Flexofenadine hydrochloride (BP,EP)

General Properties

Physical form and appearance White or almost white powder

Physical state solid

Form powder

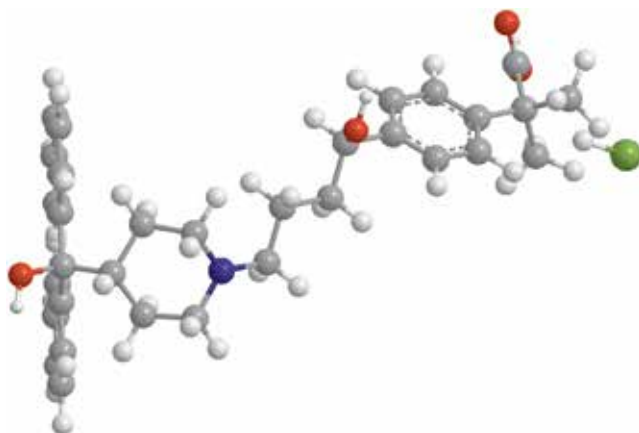
Molecular weight 538.12

Molecular formula $C_{32}H_{40}ClNO_4$

Identification HPLC

Solubility Slightly soluble in water, freely soluble in methanol, very slightly soluble in acetone.

Storage Preserve in tight, light-resistant containers at controlled room temperature.



International non proprietary name (INN)
Flexofenadine hydrochloride

IUPAC name

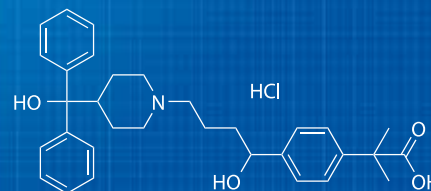
2-[4-[1-hydroxy-4-[4-[hydroxy(diphenyl)methyl]piperidin-1-yl]butyl]phenyl]-2-methylpropanoic acid; hydrochloride

Cas registry No.
153439-40-6

indication

Antihistamines

structure



General Properties

International nonproprietary name (INN)
Loratadine

IUPAC name

ethyl 4-(8-chloro-5,6-dihydrobenzo[1,2]
cyclohepta[2,4-b]pyridin-11-ylidene)
piperidine-1-carboxylate

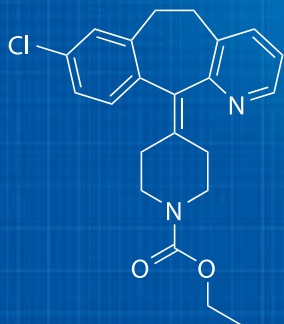
Cas registry No.

79794-75-5

indication

Antihistamines

structure



Loratadine (USP)

Physical form and appearance White to off-white powder

Physical state solid

Form powder

Molecular weight 382.88

Molecular formula C₂₂H₂₃ClN₂O₂

Identification HPLC

Solubility Freely soluble in acetone, chloroform, methanol, and in toluene. Insoluble in water.

Storage Preserve in well-closed containers and store between 2 – 30 °C.



Aprepitant (USP)

General Properties

Physical form and appearance White, cream

Physical state solid

Form powder

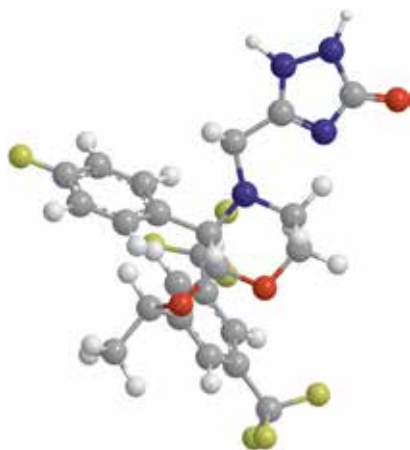
Molecular weight 534.43

Molecular formula $C_{23}H_{21}F_7N_4O_3$

Identification Infrared absorption

Solubility Aprepitant is soluble in organic solvents such as ethanol, DMSO and DMF.

Storage Keep container tightly closed in a dry and well-ventilated place. Store in cool place.



International nonproprietary name (INN)

Aprepitant

IUPAC name

5-([(2R,3S)-2-((R)-1-[3,5-Bis(trifluoromethyl)phenyl]ethoxy)-3-(4-fluorophenyl)morpholino]methyl)-1H-1,2,4-triazol-3(2H)-one

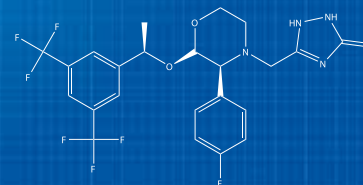
Cas registry No.

170729-80-3

indication

prevent nausea and vomiting caused by cancer drug

structure



General Properties

International nonproprietary name (INN)
Granisetron Hydrochloride

IUPAC name

1H-Indazole-3-carboxamide, 1-methyl-N-(9-methyl-9-azabicyclo[3.3.1]non-3-yl)-, monohydrochloride

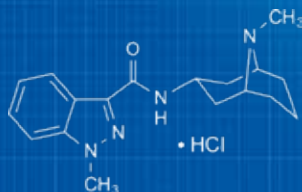
Cas registry No.

107007-99-8

indication

Serotonin 5HT₃ receptor antagonist;
treatment of nausea and vomiting

structure



Granisetron Hydrochloride (BP,USP)

Physical form and appearance White or almost white powder

Physical state solid

Form powder

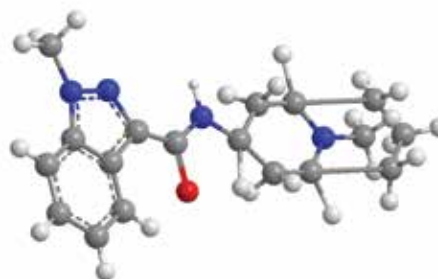
Molecular weight 348.87

Molecular formula C₁₈H₂₄N₄O · HCl

Identification HPLC

Solubility Freely soluble in water;
sparingly soluble in methylene
chloride; slightly soluble in
methanol.

Storage Preserve in well-closed containers,
protected from light.
Store at room temperature.



Ondansetron Hydrochloride (USP)

General Properties

Physical form and appearance White to off-white powder

Physical state solid

Form powder

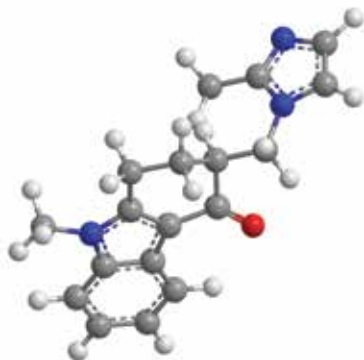
Molecular weight 365.85

Molecular formula $C_{18}H_{19}N_3O \cdot HCl \cdot 2H_2O$

Identification HPLC

Solubility Soluble in methanol; sparingly soluble in water and in alcohol; slightly soluble in isopropyl alcohol and in dichloromethane; very slightly soluble in acetone, in chloroform and in ethyl acetate.

Storage Preserve in tight, light-resistant containers. Store at 25°C excursions permitted between 15 and 30 °C.



International nonproprietary name (INN)
Ondansetron Hydrochloride

IUPAC name

4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9-methyl-3-(2-methyl-1H-imidazol-1-yl)methyl, monohydrochloride, (\pm), dihydrate

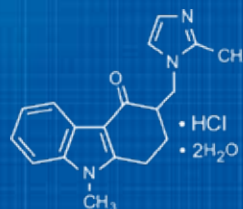
Cas registry No.

103639-04-9

indication

Serotonin 5HT₃ receptor antagonist; treatment of nausea and vomiting

structure



General Properties

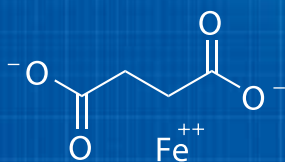
International nonproprietary name (INN)
Ferrous Fumarate

IUPAC name
(E)-but-2-enedioate;iron(2+)

Cas registry No.
141-01-5

indication
Used in prevention and treatment of anemia.

structure



Ferrous Fumarate (BP)

Physical form and appearance Fine, reddish-orange or reddish-brown powder

Physical state solid

Form powder

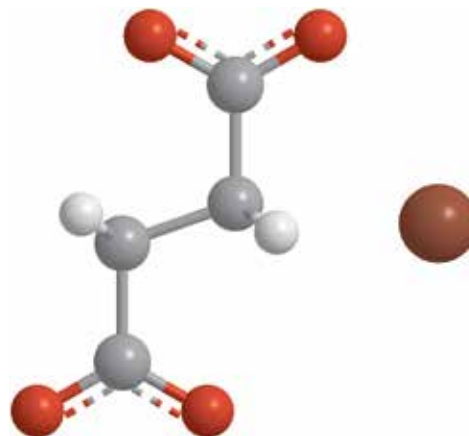
Molecular weight 169.9

Molecular formula C₄H₂FeO₄

Identification Thin-layer Chromatography

Solubility Slightly soluble in water, very slightly soluble in ethanol (96%).

Storage In an airtight container, protected from light.



Thiamine Hydrochloride Vitamin B1 (BP,EP,USP)

General Properties

Physical form and appearance White or almost white, crystalline powder or colorless crystals

Physical state solid

Form powder

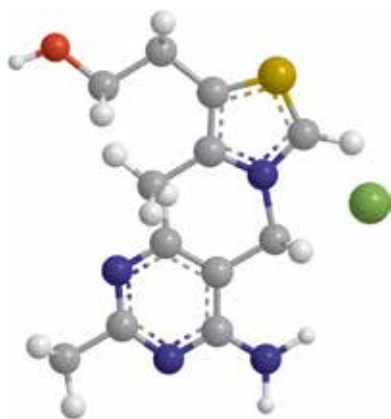
Molecular weight 337.27

Molecular formula $C_{12}H_{17}N_4OS \cdot HCl$

Identification HPLC

Solubility Freely soluble in water, soluble in glycerol, slightly soluble in alcohol.

Storage Preserve in tight, light-resistant containers.



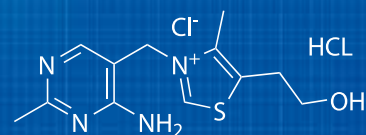
International nonproprietary name (INN)
Thiamine hydrochloride

IUPAC name
2-[3-[(4-amino-2-methylpyrimidin-5-yl)methyl]-4-methyl-1,3-thiazol-3-ium-5-yl]ethanol;chloride;hydrochloride

Cas registry No.
67-03-6

indication
Vitamin B1.

structure



General Properties

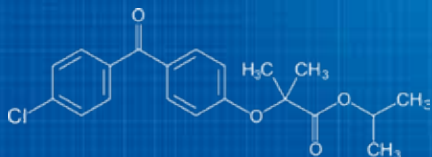
International nonproprietary name (INN)
Fenofibrate

IUPAC name
1-Methylethyl-2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoate

Cas registry No.
49562-28-9

indication
Fibrate, lipid-regulating drug.

structure



Fenofibrate (BP,USP)

Physical form and appearance White or almost white crystalline powder

Physical state solid

Form powder

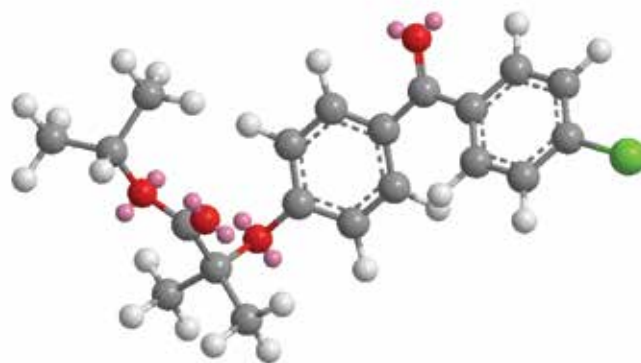
Molecular weight 360.8

Molecular formula $C_{20}H_{21}ClO_4$

Identification Infrared absorption

Solubility Practically insoluble in water, very soluble in methylene chloride, slightly soluble in ethanol (96%).

Storage Protected from light.



Lidocaine Base/ Hydrochloride (BP,USP)

General Properties

Physical form and appearance White or almost white crystalline powder

Physical state solid

Form powder

Molecular weight 288.8

Molecular formula $C_{14}H_{22}N_2O, HCl, H_2O$

Identification HPLC

Solubility Very soluble in water, freely in ethanol (96%).

Storage Preserve in well-closed containers. Store at room temperature.

International nonproprietary name (INN)
Lidocaine hydrochloride

IUPAC name

2-(diethylamino)-N-(2,6-dimethylphenyl)acetamide;hydrochloride

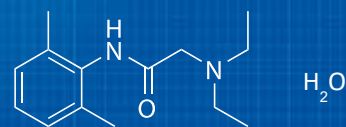
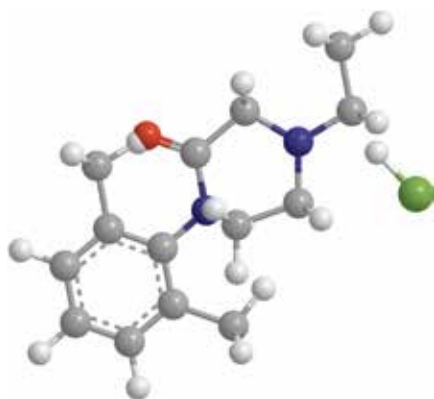
Cas registry No.

6108-05-0

indication

Local anesthetic; class I antiarrhythmic.

structure



General Properties

International nonproprietary name (INN)
Montelukast sodium

IUPAC name

sodium;2-[1-[[[(1R)-1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydroxypropan-2-yl)phenyl]propyl]sulfanylmethyl]cyclopropyl]acetate

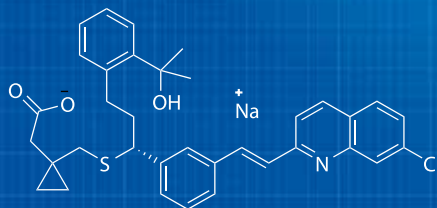
Cas registry No.

151767-02-1

indication

Leukotriene CysLT1 receptor antagonist;
treatment of asthma

structure



Montelukast sodium (BP,EP)

Physical form and appearance White or almost white hygroscopic powder

Physical state solid

Form powder

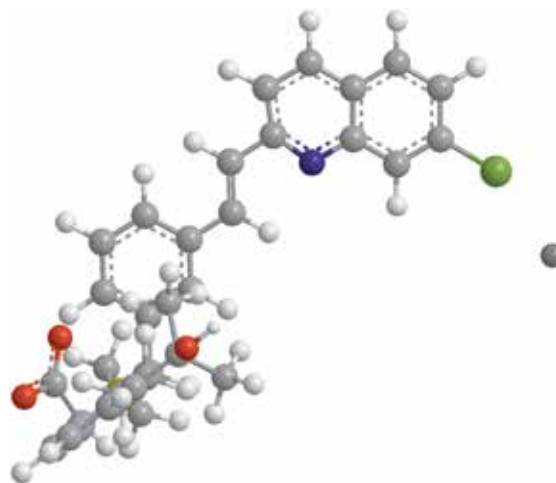
Molecular weight 608

Molecular formula $C_{35}H_{35}ClNaO_3S$

Identification Infrared absorption

Solubility Freely soluble in water and in methylene chloride, freely soluble to very soluble in ethanol (96%).

Storage Preserve in tight, light-resistant containers.
Store at room temperature.



Noscapine Base/Hydrochloride (BP,EP)

General Properties

Physical form and appearance White or almost white, crystalline powder or colorless Crystals, hygroscopic

Physical state solid

Form powder

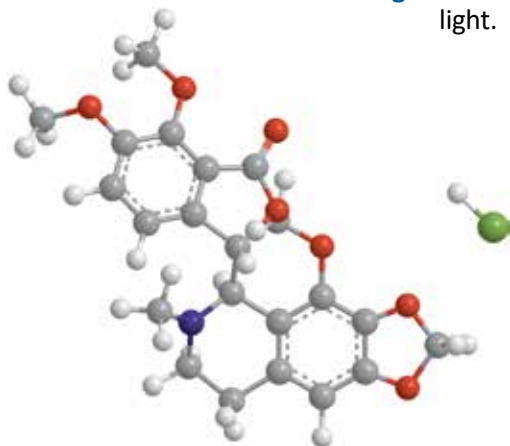
Molecular weight 467.9

Molecular formula $C_{22}H_{24}ClNO_7 \cdot H_2O$

Identification Specific optical rotation
Infrared absorption spectrophotometry
Thin-layer chromatography

Solubility Freely soluble in water and in ethanol (96%).
Aqueous solutions are slightly acid; the base may be precipitated when the solutions are allowed to stand.

Storage In an airtight container, protected from light.



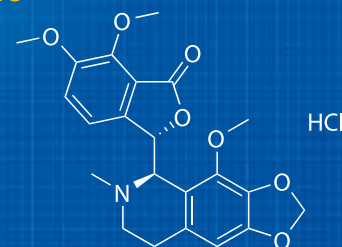
International nonproprietary name (INN)
Noscapine Hydrochloride

IUPAC name
(3S)-6, 7 -Dimethoxy-3-[(5R)-4-methoxy-6-methyl-5,6, 7,8-tetrahydro-1 ,3-dioxolo [4,5-g] isoquinolin-5-yl]isobenzofuran-1 (3H)-one hydrochloride monohydrate.

Cas registry No.
912-60-7

indication
an opioid alkaloid with antitussive and antimotile properties

structure



General Properties

International nonproprietary name (INN)
Varenicline tartrate

IUPAC name
(2R,3R)-2,3-dihydroxybutane-
dioic acid;5,8,14-triazatetracy-
clo[10.3.1.02,11.04,9]hexade-
ca-2,4,6,8,10-pentaene

Cas registry No.
375815-87-5

indication
A partial agonist for nicotinic cholin-
ergic receptors, it is used as an aid to
giving up smoking.

structure



Varenicline Tartrate (In-House)

Physical form and appearance White or almost white powder

Physical state solid

Form powder

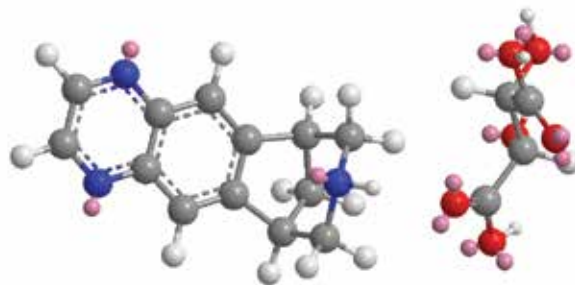
Molecular weight 361.3

Molecular formula $C_{17}H_{19}N_3O_6$

Identification Infrared absorption, HPLC

Solubility Easily soluble in water, slightly soluble
in dimethylformamide.

Storage Keep container tightly closed.



Sumatriptan succinate (BP,EP)

General Properties

Physical form and appearance White to almost white powder

Physical state solid

Form powder

Molecular weight 413.5

Molecular formula C₁₈H₂₇N₃O₆S

Identification HPLC

Solubility Freely soluble in water, sparingly soluble in methanol, practically insoluble in methylene chloride.

Storage Preserve in tight, light-resistant containers. Protect from freezing, and store below 30 °C.



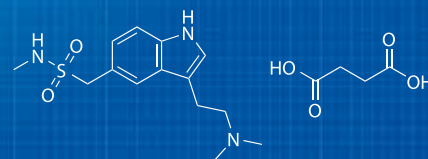
International nonproprietary name (INN)
Sumatriptan succinate

Chemical abstract index name
butanedioic acid;1-[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl]-N-methylmethanesulfonamide

Cas registry No.
103628-48-4

indication
Serotonin 5HT₁ receptor agonist; treatment of migraine.

structure



General Properties

International nonproprietary name (INN)
Brimonidine Tartrate

IUPAC name

5-Bromo-N-(imidazolidin-2-ylidene)quinoxalin-6-amine-(2R,3R)-2,3-dihydroxybutanedioate

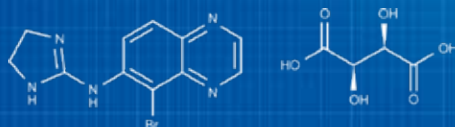
Cas registry No.

70359-46-5

indication

Alpha2-adrenoceptor agonist; treat glaucoma, ocular hypertension.

structure



Brimonidine Tartrate (BP)

Physical form and appearance White or slightly yellowish or slightly brownish powder

Physical state solid

Form powder

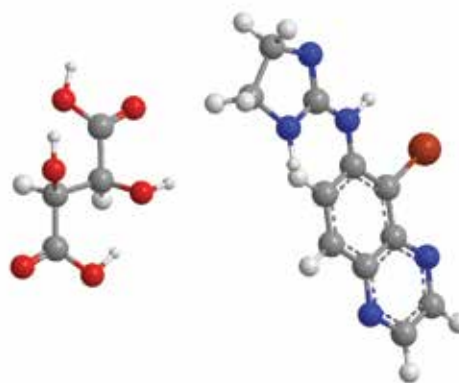
Molecular weight 442.2

Molecular formula $C_{15}H_{16}BrN_5O_6$

Identification HPLC

Solubility Soluble in water, practically insoluble in anhydrous ethanol and in toluene.

Storage Keep Container tightly closed. Store at room temperature.



Repaglinide (BP,USP)

General Properties

Physical form and appearance White to off-white powder

Physical state solid

Form powder

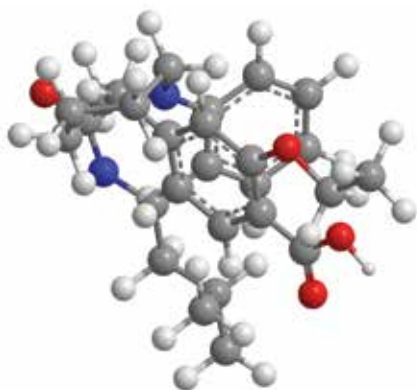
Molecular weight 452.59

Molecular formula $C_{27}H_{36}N_2O_4$

Identification HPLC

Solubility Soluble in methanol.

Storage Preserve in tight containers.
Protect from light.



International nonproprietary name (INN)

Repaglinide

IUPAC name

(S)-2-Ethoxy-4-[2-{methyl-1-[2-(1-piperidinyl)phenyl]butylamino}-2-oxoethyl]-benzoic acid

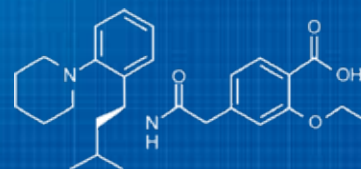
Cas registry No.

135062-02-1

indication

Stimulates insulin release, treatment of diabetes mellitus.

structure



General Properties

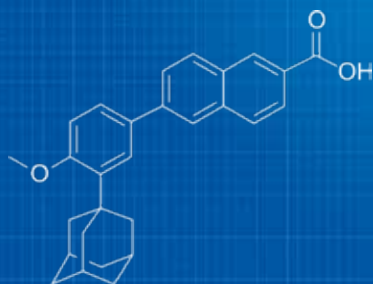
International nonproprietary name (INN)
Adapalene

IUPAC name
6-[3-(1-adamantyl)-4-methoxyphenyl]
naphthalene-2-carboxylic acid

Cas registry No.
106685-40-9

indication
Vitamin A analogue (retinoid); treat-
ment of acne.

structure



Adapalene (BP,USP)

Physical form and appearance White or almost white powder

Physical state solid

Form powder

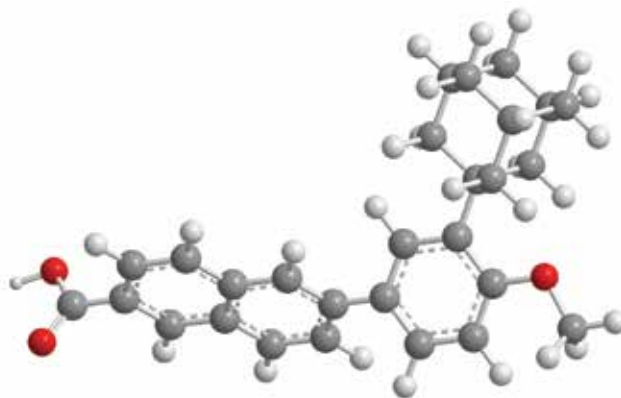
Molecular weight 412.52

Molecular formula C₂₈H₂₈O₃

Identification Infrared absorption

Solubility Practically insoluble in water,
sparingly soluble in tetrahydrofuran,
Practically insoluble in ethanol (96%).

Storage Preserve in tight containers.
Store at room temperature.



Mebendazole (USP)

General Properties

Physical form and appearance White to slightly yellow powder

Physical state solid

Form powder

Molecular weight 295.3

Molecular formula $C_{16}H_{13}N_3O_3$

Identification Infrared spectrum

Solubility Practically insoluble in water, soluble in methylene chloride dissolves in dilute solution of alkali hydroxides.

Storage Protected from light.

International nonproprietary name (INN)

Mebendazole

IUPAC name

methyl N-(6-benzoyl-1H-benzimidazol-2-yl)carbamate

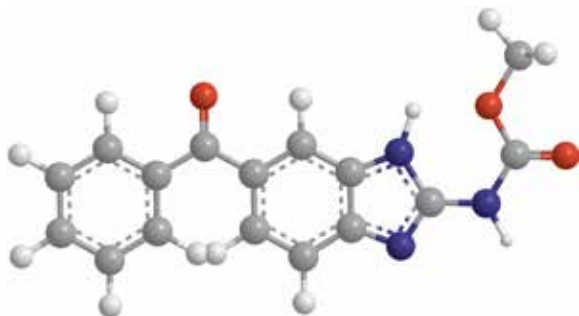
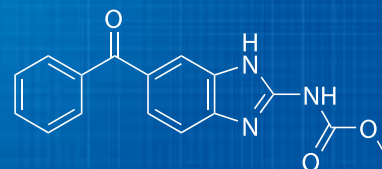
Cas registry No.

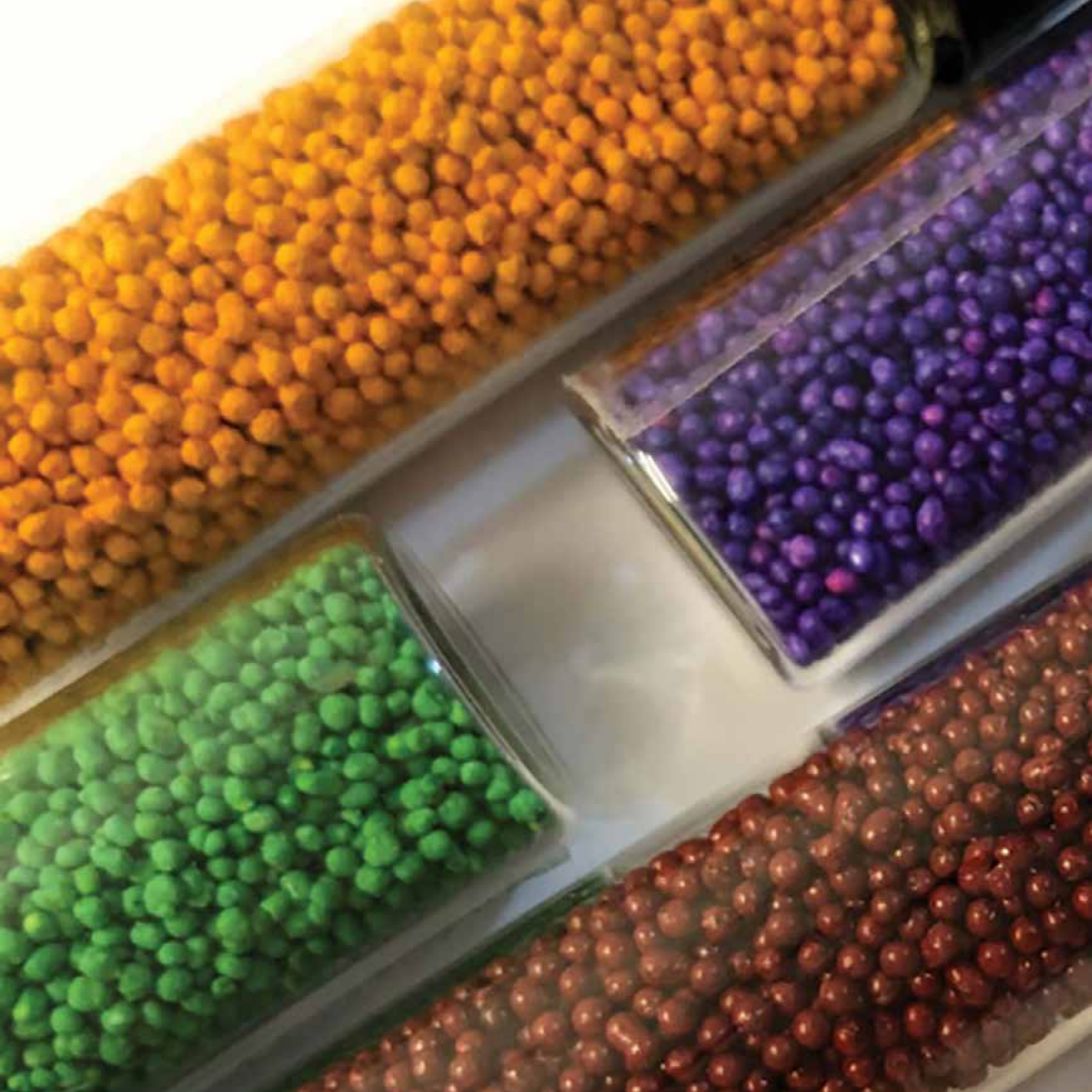
31431-39-7

indication

Anthelmintics

structure







Darou Pakhsh Pharma. Chem. Co.
D.P.P.C.

General Properties

International nonproprietary name (INN)

Aprepitant

IUPAC name

5-([(2R,3S)-2-((R)-1-[3,5-Bis(trifluoromethyl)phenyl]ethoxy)-3-(4-fluorophenyl)morpholino)methyl]-1H-1,2,4-triazol-3(2H)-one

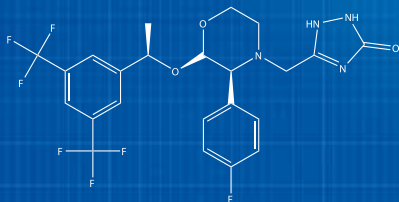
Cas registry No.

170729-80-3

indication

prevent nausea and vomiting caused by cancer drug

structure



Aprepitant IR 40% Pellets (USP)

Physical form and appearance White to off-white spherical Pellets

Physical state solid

Form pellet

Molecular weight 534.43 g/mol.

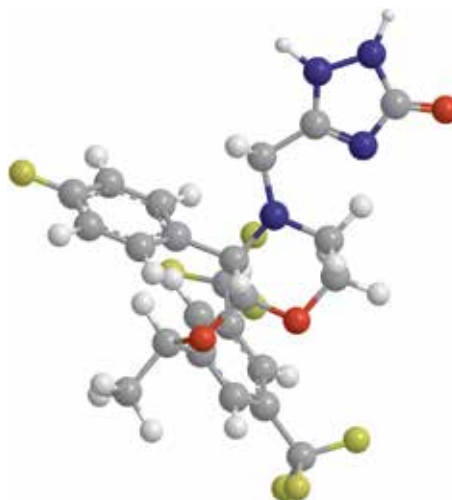
Molecular formula $C_{23}H_{21}F_7N_4O_3$

Identification Infrared absorption

Mesh size 12#20

Dissolution 30 minutes

Storage Keep container tightly closed in a dry and well-ventilated place. Store in cool place.



Diclofenac SR 40% & 52% Pellets (USP)

General Properties

Physical form and appearance White to off-white spherical pellets

Physical state solid

Form pellet

Molecular weight 318.1

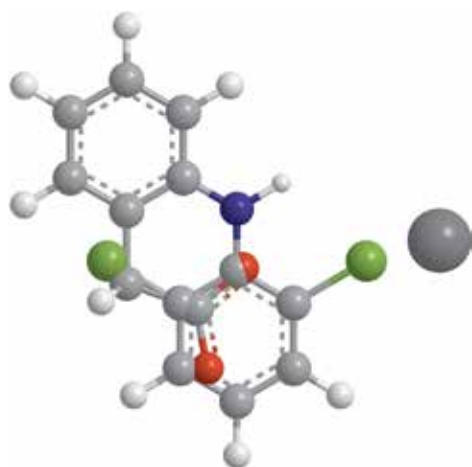
Molecular formula $C_{14}H_{10}Cl_2NNaO_2$

Identification HPLC/ UV

Mesh size 12#20

Dissolution (in louse) 1,3,8 hrs. 10,30,150 min

Storage Preserve in tight, light-resistant containers.



International nonproprietary name (INN)

Diclofenac sodium

IUPAC name

sodium;2-[2-(2,6-dichloroanilino)phenyl]acetate

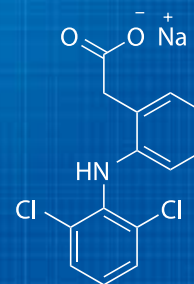
Cas registry No.

15307-79-6

indication

Cyclooxygenase inhibitor; analgesic; anti-inflammatory

structure



General Properties

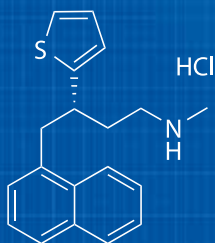
International nonproprietary name (INN)
Duloxetine Hydrochloride

IUPAC name
(3S)-N-Methyl-3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propan-1-amine hydrochloride.

Cas registry No.
136434-34-9

indication
to treat depression and anxiety

structure



Duloxetine EC 20% Pellets (USP)

Physical form and appearance White or light creamy coated pellets

Physical state solid

Form Pellet

Molecular weight 333.9

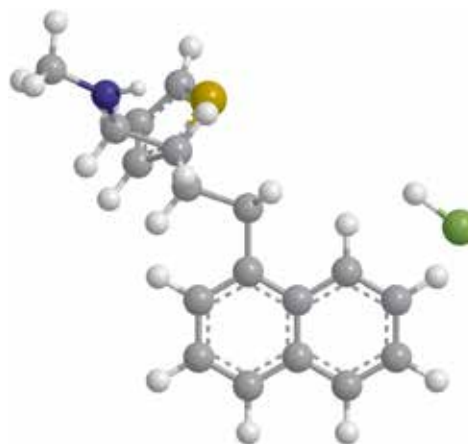
Molecular formula C₁₈H₂₀ClNOS

Identification Specific optical rotation
Enantiomeric purity

Mesh size 12# 20

Dissolution 2 hrs ,1hr

Storage Protected from light.



Orlistat IR 50% & 35% Pellets (USP, In-House)

General Properties

Physical form and appearance White to off-white spherical pellets

Physical state solid

Form Pellets

Molecular weight 495.73

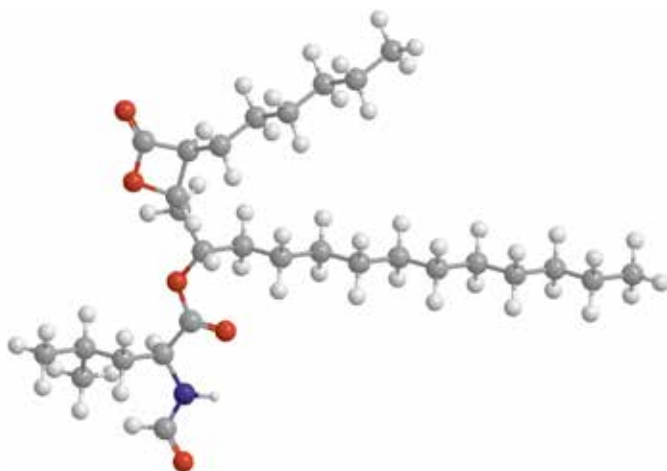
Molecular formula $C_{29}H_{53}NO_5$

Identification Infrared Absorption

Mesh size 12#20

Dissolution 45 minutes

Storage Preserve in well-closed containers between 2°C and 8°C.



International nonproprietary name (INN)

Orlistat

IUPAC name

[(2S)-1-[(2S,3S)-3-hexyl-4-oxooxetan-2-yl]tridecan-2-yl] (2S)-2-formamido-4-methylpentanoate

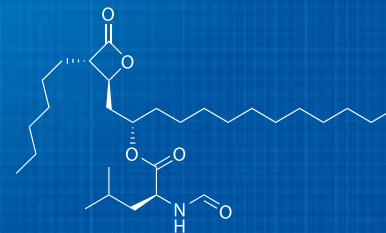
Cas registry No.

96829-58-2

indication

Obesity Treatment

structure



General Properties

International nonproprietary name (INN)

Rivastigmine Tartrate

IUPAC name

3-[(1S)-1-(Dimethylamino)ethyl]phenyl ethyl(methyl)carbamate hydrogen (2R,3R)-2,3- dihydroxybutanedioate.

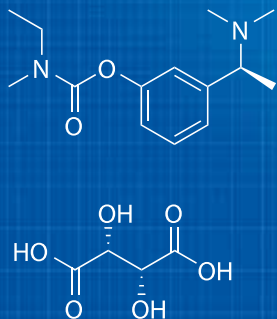
Cas registry No.

129101-54-8

indication

Treatment of Alzheimer's disease

structure



Rivastigmine IR 2% Pellets (USP)

Physical form and appearance White or off white, spherical pellets

Physical state solid

Form pellet

Molecular weight 400.4

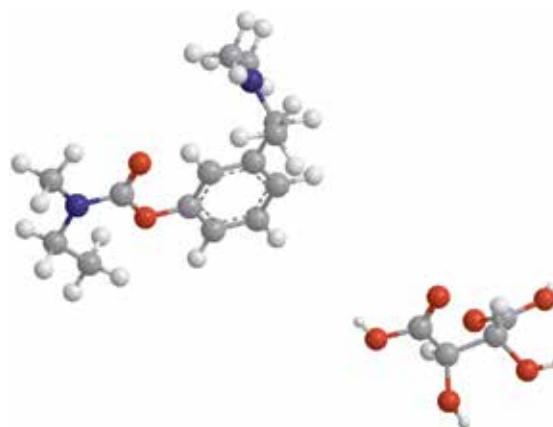
Molecular formula $C_{18}H_{28}N_2O_8$

Identification Specific optical rotation Infrared absorption spectrophotometry

Mesh siz 16#25

dissolution 30 minutes

Storage In an airtight container, protected from light.



Tamsulosin hydrochloride SR 0.2% & 0.16% Pellets (USP, In-House)

Physical form and appearance White to off white spherical pellets

Physical state solid

Form pellets

Molecular weight 445.0

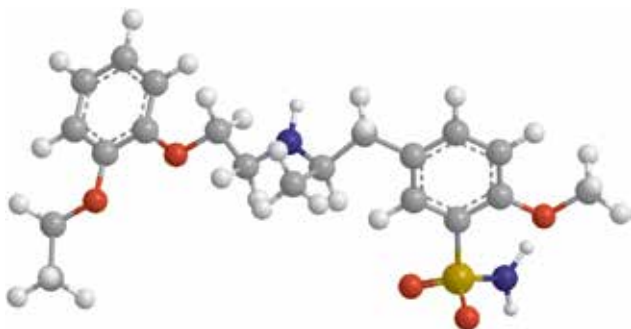
Molecular formula $C_{20}H_{29}ClN_2O_3S$

Identification HPLC

Mesh size 16#25- 14#20

Dissolution Table (1), (3), (4), & in house

Storage Preserve in well-closed containers
Store at room temperature.



General Properties

International nonproprietary name (INN)

Tamsulosin hydrochloride pellet 0.2% & 0.16%

IUPAC name

5-[(2R)-2-[2-(2-ethoxyphenoxy)ethyl-amino]propyl]-2-methoxybenzenesulfonamide;hydrochloride

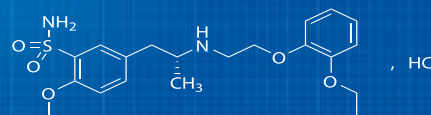
Cas registry No.

106463-17-6

indication

Alpha-1-adrenoceptor antagonist.

structure



General Properties

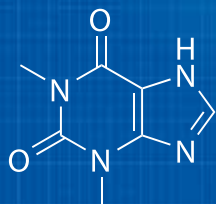
International nonproprietary name (INN)
Theophylline

IUPAC name
1,3-dimethyl-7H-purine-2,6-dione

Cas registry No.
58-55-9

indication
Non-selective phosphodiesterase inhibitor (xanthine), treatment of reversible airways obstruction.

structure



Theophylline SR 60% Pellets (USP)

Physical form and appearance White to off white spherical pellets

Physical state solid

Form pellet

Molecular weight 180.2

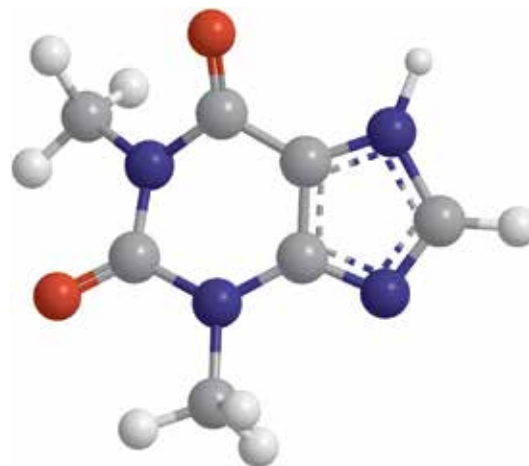
Molecular formula C₇H₈N₄O₂

Identification Infrared Absorption

Mesh size 14#20

Dissolution (in house) 1,2,3,4,7 hrs.

Storage Preserve in well-closed containers.



Azithromycin Taste Masked (In-House)

General Properties

Physical form and appearance White or almost white powder

Physical state solid

Form powder (ready to use)

Identification HPLC

Solubility Practically insoluble in water, freely soluble in anhydrous ethanol and in methylene chloride.

Storage Preserve in well-closed containers.

International nonproprietary name (INN)

Azithromycin dihydrate Taste Masked

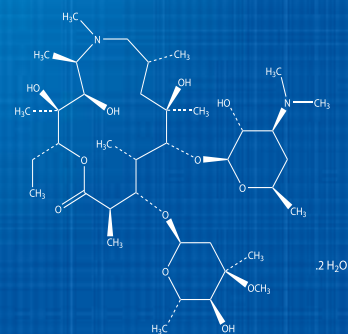
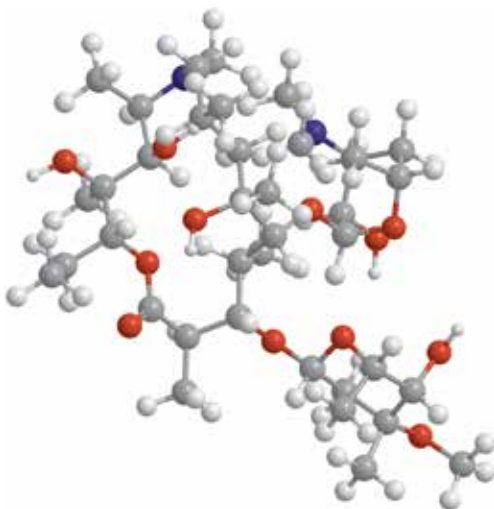
Cas registry No.

83905-01-5

indication

Macrolide antibacterial

structure





شرکت شیمی دارویی داروپخش

شرکت شیمی دارویی داروپخش یکی از بزرگترین تولیدکنندگان مواد موثره دارویی بصورت پودر، پلت و نیمه ساخته و DC در منطقه خاورمیانه می باشد. که در سال ۱۳۷۱ با امکانات و تجهیزات مدرن و پیشرفته تاسیس و آغاز بکار کرد. این شرکت یکی از زیرمجموعه های شرکت سرمایه گذاری دارویی تامین TPICO محسوب می شود و عمده سهام آن متعلق به شرکت سرمایه گذاری تامین اجتماعی (شستا) می باشد.

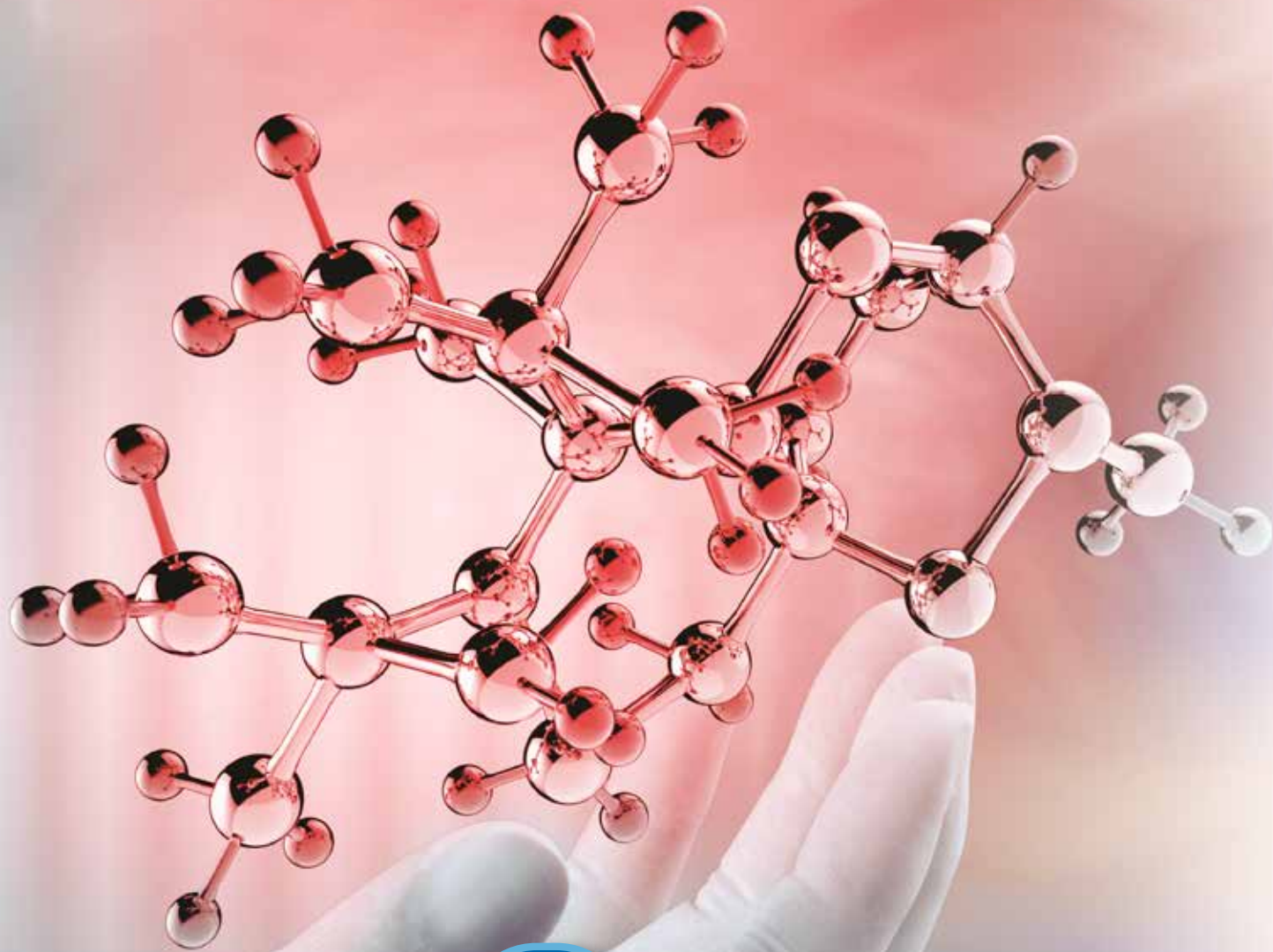


تلاش مستمر مدیران و کارکنان مجموعه جهت ارتقا کیفیت محصولات و انطباق مستمر با آخرین استانداردهای جهانی منجر به جاری سازی سیستم های مدیریتی یکپارچه IMS، بر اساس استانداردهای مدیریت کیفیت، ایمنی و بهداشت، محیط زیست، سیستمهای مدیریت انرژی، ارتباط با مشتری CRM، مدیریت آموزش به همراه گواهی نامه های: ISO9001:2015, ISO45001:2018, ISO14001:2015, ISO10015:1999, ISO10004:2018, ISO10002: 2014, ISO50001:2011, ISO10013:2001, ISO17025:2017. گردیده است و با هدف توسعه صادرات به مراکز داروسازی در عمده قاره های جهان تلاش جهت اخذ CEP از EDQM آغاز گردیده است. در فاز نخست عمده مقاصد صادراتی محصولات شرکت، شرکتهای داروسازی کشورهای چون گواتمالا، ازبکستان، آلمان، عراق، سوریه، قزاقستان و چندین کشور دیگر بوده است. محصول پتاسیم کلاو این شرکت برای اولین بار در کشور هند به ثبت رسید و با تمدید آن در دوره های متوالی موجب صادرات مقادیر متناهی از این محصول به هند گردیده است.





Endless attempt for producing high quality drugs



تلاش بی پایان برای تولید داروهای با کیفیت

