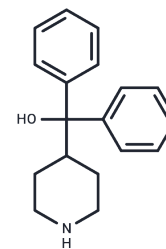


Azacyclonol

Chemical Properties

CAS No. :	115-46-8
Formula:	C ₁₈ H ₂₁ NO
Molecular Weight:	267.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Azacyclonol (MER 17) is a drug used to diminish hallucinations in psychotic individuals.
Targets(IC50)	5-HT Receptor, Histamine Receptor
In vitro	Azacyclonol exhibits an inhibitory effect on the activity of feline cervical sympathetic ganglia by 6.63%. Intravenous injection of Azacyclonol modifies the nictitating membrane's response to postganglionic and preganglionic stimulation.
In vivo	Azacyclonol affects human hepatic microsomes with apparent K_m and V_{max} values of 0.82 μ M and 60 pmol/min/mg, respectively. In human intestinal microsomes, the formation of azacyclonol is time-dependent, demonstrating linearity up to 60 minutes. The rate of azacyclonol formation increases linearly with microsomal protein concentrations reaching 2 mg/mL.

Solubility Information

Solubility	Ethanol: 49 mg/mL (183.27 mM), Sonication is recommended. H ₂ O: 2 mg/mL (7.48 mM), Sonication is recommended. DMSO: 50 mg/mL (187.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.48 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7401 mL	18.7007 mL	37.4014 mL
5 mM	0.748 mL	3.7401 mL	7.4803 mL
10 mM	0.374 mL	1.8701 mL	3.7401 mL
50 mM	0.0748 mL	0.374 mL	0.748 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Raeissi SD, et al. Pharm Res, 1997, 14(8), 12019-1025.

Ling KH, et al. Drug Metab Dispos, 1995, 23(6), 631-636.

Hamman MA, et al. Clin Pharmacol Ther, 2001, 69(3), 114-121.

Brown DA, et al. Br J Pharmacol Chemother, 1964, 23(2), 241-256.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481