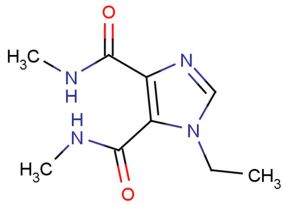
Data Sheet (Cat.No.T11244)

TargetMol
A DRUG SCREENING EXPERT

Etimizol

Chemical Properties



CAS No.:	64-99-3
Formula:	C9H14N4O2
Molecular Weight:	210.23
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Etimizol was shown to relieve amnesia effectively in the origin of which there is the hypoxic component (hypobaric hypoxia, actinomycin D, mechanical injury of the brain).
Targets(IC_{50})	Others: None
In vivo	Extracellular application of 5--10 mM/L Etimizol (Ethymisole) exerted a specific effect on the giant neurons of the Coretus corneus isolated nervous system: action potential duration increased significantly, speed of development of its descending phase decreased, as well as the trace hyperpolarization amplitude .The time interval between administration ofetimizol (3 mg/kg) and the onset of learning varied between 0.5 and 3 h in the several series. Etimizol (Ethymisole) did not facilitate the learning in rats whatever the time of administration and biological modality of reinforcement . After administration of Etimizol (Ethymisole) at doses of 10 or 1 mg/loop mean residence time of etimizol in the loop was 20.1 and 7.6 min, respectively, with mean standard deviation being 3.1 and 0.8, respectively .

Solubility Information

Solubility	Ethanol: 33.33 mg/mL (158.54 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.757 mL	23.783 mL	47.567 mL
5 mM	0.951 mL	4.757 mL	9.513 mL
10 mM	0.476 mL	2.378 mL	4.757 mL
50 mM	0.095 mL	0.476 mL	0.951 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Borisova Glu. Effect of etimizol on instrumental learning in rats. Biull Eksp Biol Med. 1985 Jun;99(6):705-6.
2. Trnovec T, et al. Etimizol absorption from the small intestine in dogs: the dependence on dosage. Biull Eksp Biol Med. 1986 Dec;102(12):729-30.
3. Vislobokov AI, et al. Elektrophysiological parameters of mollusk neurons under the influence of etimizol. Fiziol Zh SSSR Im I M Sechenova. 1975 Jun;61(6):917-24.

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