

Product Data Sheet

Product Name: Etimizol
Cat. No.: GC36013

Chemical Properties

Cas. No. 64-99-3

SMILES O=C(C1=C(C(NC)=O)N(CC)C=N1)NC

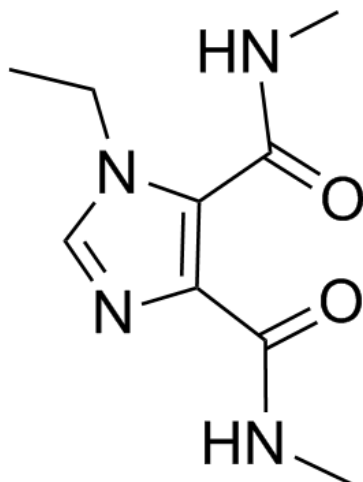
Formula $C_9H_{14}N_4O_2$ M.Wt 210.23

Solubility Ethanol: ≥ 33.33 mg/mL (158.54 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Etimizol (Ethymisole; Antiffine; Ethylnorantifein) 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).

The time interval between administration of etimizol (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

Caution: Product has not been fully validated for medical applications. For research use only.

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whatever the time of administration and biological modality of reinforcement [1]. 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 [2]. 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 [3].

[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. Electrophysiological 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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