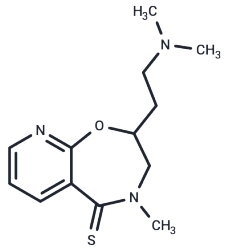
Data Sheet (Cat.No.T16778)

TargetMol

Rocastine

Chemical Properties



CAS No. : 91833-49-7

Formula: C13H19N3OS

Molecular Weight: 265.37

Storage: Store at low temperature
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	Rocastine (AHR-11325) is a selective and potent non-sedating H1 receptor antagonist.
Targets(IC50)	Histamine Receptor
In vivo	Rocastine is effective with a 15-minute pretreatment time (PD50 = 0.13 mg/kg) as it is with a 1-hour pretreatment time (PD50 = 0.12 mg/kg). In protecting guinea pigs from collapse induced by aerosolized antigen, rocastine demonstrates approximately 36 times more potency than diphenhydramine and is as potent as oxatomide and terfenadine. At doses in vast excess (150 times) of its antihistaminic dose, rocastine does not alter the EEG of cats, nor does it potentiate yohimbine toxicity in mice[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7683 mL	18.8416 mL	37.6832 mL
5 mM	0.7537 mL	3.7683 mL	7.5366 mL
10 mM	0.3768 mL	1.8842 mL	3.7683 mL
50 mM	0.0754 mL	0.3768 mL	0.7537 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

Nolan JC, et al. Rocastine (AHR-11325), a rapid acting, nonsedating antihistamine. Agents Actions. 1989 Aug;28(1-2):53-61.

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