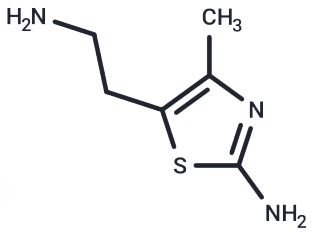
Data Sheet (Cat.No.T67829)

TargetMol

Amthamine

Chemical Properties



CAS No. : 142437-67-0

Formula: C6H11N3S

Molecular Weight: 157.24

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	Amthamine is a broad-spectrum histamine receptor agonist that activates H1R, H2R, H3R, and H4R, and is known to induce liver congestion and hepatocellular necrosis, making it a useful experimental tool for studying histamine-mediated hepatotoxicity and the pathological consequences of H1R-H4R activation in liver injury models.
Targets(IC50)	Histamine Receptor
In vivo	In an experimental rabbit model designed to investigate the safety profile of histamine receptor modulators, the administration of Amthamine resulted in hepatotoxicity, characterized by liver damage [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3597 mL	31.7985 mL	63.597 mL
5 mM	1.2719 mL	6.3597 mL	12.7194 mL
10 mM	0.636 mL	3.1799 mL	6.3597 mL
50 mM	0.1272 mL	0.636 mL	1.2719 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

Trivendra Tripathi, et al. Hepatotoxicity Due to Histamine Trifluoro-Methyl Toluidide, Amthamine, R-(-)-α-Methyl Histamine and Clobenpropit (H1R-H4R-Agonists, Respectively) in Rabbit Experimental Model. American Medical Journal. 2010, 1 (1): 1-7.

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