

BMY-25271

Chemical Properties

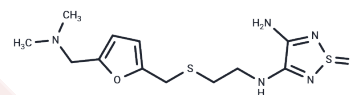
CAS No. : 78441-82-4

Formula: C₁₂H₁₉N₅O₂S₂

Molecular Weight: 329.44

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	BMY-25271 is an antagonist of histamine H2 receptor.
Targets(IC50)	Histamine Receptor
In vivo	The dose-response curves are parallel and oral ED50 values derived from probit analysis are 0.093, 0.97, and 6.9 mg/kg for BMY-25271, ranitidine, and cimetidine, respectively. BMY-25271 is about 10 and 74 times more potent than ranitidine and cimetidine, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0355 mL	15.1773 mL	30.3545 mL
5 mM	0.6071 mL	3.0355 mL	6.0709 mL
10 mM	0.3035 mL	1.5177 mL	3.0355 mL
50 mM	0.0607 mL	0.3035 mL	0.6071 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

Cavanagh RL, et al. Prevention of aspirin-induced gastric mucosal injury by histamine H2 receptor antagonists: a crossover endoscopic and intragastric pH study in the dog. J Pharmacol Exp Ther. 1987 Dec;243(3):1179-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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