

## Histamine

## Chemical Properties

CAS No. :	51-45-6
Formula:	C <sub>5</sub> H <sub>9</sub> N <sub>3</sub>
Molecular Weight:	111.15
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Histamine (Ergamine) is an amine derived by the enzymatic decarboxylation of histamine. Histamine is a potent stimulant of gastric secretion, a constrictor of bronchial smooth muscle, a vasodilator, and a neurotransmitter of central action.
Targets(IC50)	5-HT Receptor,Endogenous Metabolite,Histamine Receptor

## Solubility Information

Solubility	DMSO: 260 mg/mL (2339.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.9969 mL	44.9843 mL	89.9685 mL
5 mM	1.7994 mL	8.9969 mL	17.9937 mL
10 mM	0.8997 mL	4.4984 mL	8.9969 mL
50 mM	0.1799 mL	0.8997 mL	1.7994 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

Hardie RC. Nature. 1989 Jun 29;339(6227):704-6.

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