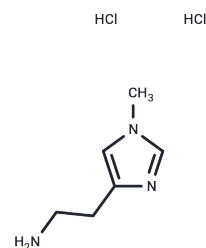


1-Methylhistamine dihydrochloride

Chemical Properties

CAS No. :	6481-48-7
Formula:	C ₆ H ₁₃ Cl ₂ N ₃
Molecular Weight:	198.09
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	1-Methylhistamine dihydrochloride is a major metabolite of histamine by histamine N-methyltransferase in the pathway of histidine metabolism. It has been used as a biomarker of histaminergic system activity in the brains of Alzheimer's disease patients as well as those with hypersomnia and other neurological conditions.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 12 mg/mL (60.58 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	5.0482 mL	25.2411 mL	50.4821 mL
5 mM	1.0096 mL	5.0482 mL	10.0964 mL
10 mM	0.5048 mL	2.5241 mL	5.0482 mL
50 mM	0.101 mL	0.5048 mL	1.0096 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

Saito K, et al. Determination of urinary excretion of histamine and 1-methylhistamine by liquid chromatography. J Chromatogr B Biomed Appl. 1994 Apr 1;654(2):270-5.

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