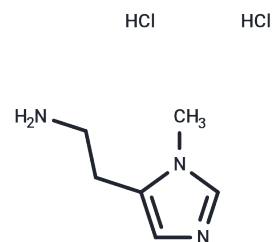


3-Methylhistamine dihydrochloride

Chemical Properties

CAS No. :	36475-47-5
Formula:	C ₆ H ₁₃ Cl ₂ N ₃
Molecular Weight:	198.094
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	N tau-methylhistamine is one of the histamine metabolites. N tau-methylhistamine in plasma and urine is a good parameter for histamine release, and the determination of this histamine metabolite is generally less hampered by possible artifacts (due to basophil disruption, a very short half-life time or bacterial production) than determinations of histamine itself.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 100 mg/mL (504.81 mM), Sonication is recommended. DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (5.05 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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

Keyzer JJ, et al. Measurement of N tau-methylhistamine concentrations in plasma and urine as a parameter for histamine release during anaphylactoid reactions. Agents Actions. 1985 Apr;16(3-4):76-9.

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