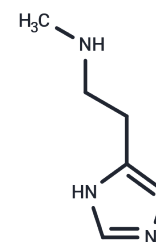


## N-Methylhistamine HCl

## Chemical Properties

CAS No. :	2650176-16-0
Formula:	C <sub>6</sub> H <sub>12</sub> ClN <sub>3</sub>
Molecular Weight:	161.63
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



## Biological Description

Description	N-Methylhistamine HCl is a potent, selective histamine H <sub>3</sub> receptor (H <sub>3</sub> R) agonist with no significant H <sub>1</sub> /H <sub>2</sub> receptor binding activity. N-Methylhistamine HCl can serve as a tool molecule for studying the physiological effects of H <sub>3</sub> receptors. N-Methylhistamine HCl can be used in research on mastocytosis. N-Methylhistamine HCl can also serve as a biomarker for assessing mast cell accumulation.
Targets(IC <sub>50</sub> )	Histamine Receptor
In vivo	Methods: A feline gastric fistula model was established. N-Methylhistamine HCl (0.25, 0.5 μM/hour) was administered intravenously until the response stabilized. After stabilization, gastric fluid was collected and HCl output was measured. Results: N-Methylhistamine HCl stimulated HCl secretion. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.187 mL	30.9349 mL	61.8697 mL
5 mM	1.2374 mL	6.187 mL	12.3739 mL
10 mM	0.6187 mL	3.0935 mL	6.187 mL
50 mM	0.1237 mL	0.6187 mL	1.2374 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

Code CF, Maslinski SM, Mossini F, Navert H. Methyl histamines and gastric secretion. J Physiol. 1971;217(3):557-571.

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