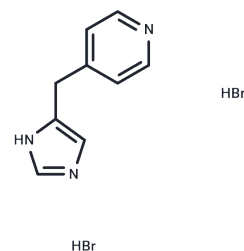


Immethridine dihydrobromide

Chemical Properties

CAS No. :	699020-93-4
Formula:	C ₉ H ₁₁ Br ₂ N ₃
Molecular Weight:	321.01
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	Immethridine dihydrobromide is a novel, highly potent and selective histamine H ₃ receptor (H ₃ R) agonist that inhibits dendritic cell function and alleviates experimental autoimmune encephalomyelitis. Immethridine dihydrobromide MesV induces depolarization of neurons and the MMN and prevents cardiorenal and renal injury.
Targets(IC ₅₀)	Histamine Receptor

Solubility Information

Solubility	H ₂ O: 15 mg/mL (46.73 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	3.1152 mL	15.5758 mL	31.1517 mL
5 mM	0.623 mL	3.1152 mL	6.2303 mL
10 mM	0.3115 mL	1.5576 mL	3.1152 mL
50 mM	0.0623 mL	0.3115 mL	0.623 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

Shi Y, et al. Immethridine, histamine H₃-receptor (H₃R) agonist, alleviated experimental autoimmune encephalomyelitis via inhibiting the function of dendritic cells. *Oncotarget*. 2017 Aug 24;8(43):75038-75049.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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