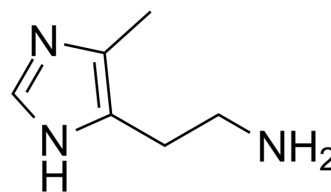


4-Methylhistamine dihydrochloride

Cat. No.:	HY-107560
CAS No.:	36376-47-3
Molecular Formula:	C ₆ H ₁₃ Cl ₂ N ₃
Molecular Weight:	198.09
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



H-Cl H-Cl

SOLVENT & SOLUBILITY

In Vitro

DMSO : 20 mg/mL (100.96 mM; Need ultrasonic and warming)
H₂O : 5 mg/mL (25.24 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

4-Methylhistamine (dihydrochloride) is the potent agonist of histamine 4 receptor (H4R). 4-Methylhistamine (dihydrochloride) has the potential for the research of immune-related diseases such as cancer and autoimmune disorders [1].

IC₅₀ & Target

H₄ receptor

REFERENCES

[1]. Ahmad SF, et al. Stimulation of the histamine 4 receptor with 4-methylhistamine modulates the effects of chronic stress on the Th1/Th2 cytokine balance. Immunobiology. 2015;220(3):341-349.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA