

N-Acetylhistamine

Chemical Properties

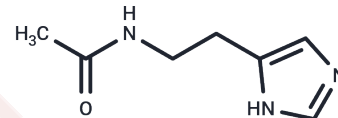
CAS No. : 673-49-4

Formula: C7H11N3O

Molecular Weight: 153.18

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-Acetylhistamine (N-Omega-acetylhistamine) is a metabolite of histamine.
Targets(IC50)	Endogenous Metabolite,Histamine Receptor
In vitro	N-Acetylhistamine can be used as a biomarker of histidine metabolism for anaphylactoid reactions[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (652.83 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: 4 mg/mL (26.11 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	6.5283 mL	32.6413 mL	65.2827 mL
5 mM	1.3057 mL	6.5283 mL	13.0565 mL
10 mM	0.6528 mL	3.2641 mL	6.5283 mL
50 mM	0.1306 mL	0.6528 mL	1.3057 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

Xu Y, et al. Metabolomics analysis of anaphylactoid reaction reveals its mechanism in a rat model. Asian Pac J Allergy Immunol. 2017 Dec;35(4):224-232.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481