

Betahistine mesylate

Chemical Properties

CAS No. : 54856-23-4

Formula: C₈H₁₂N₂·2(CH₄O₃S)

Molecular Weight: 328.4

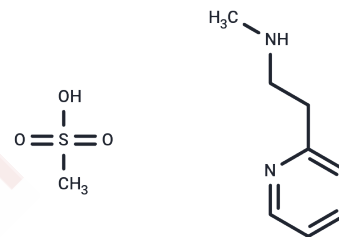
Storage:

Keep away from direct sunlight, Store under nitrogen

Pure form: -20°C for 3 years | In solvent: -80°C for 1

year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Betahistine mesylate (Extovyl) is a histamine analog and H1 receptor agonist that serves as a vasodilator. It is used in MENIERE DISEASE and in vascular headaches but may exacerbate bronchial asthma and peptic ulcers.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 59 mg/mL (179.66 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: 2 mg/mL (6.09 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	3.0451 mL	15.2253 mL	30.4507 mL
5 mM	0.609 mL	3.0451 mL	6.0901 mL
10 mM	0.3045 mL	1.5225 mL	3.0451 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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

Lacour M, Sterkers O. CNS Drugs. 2001; 15(11): 853-70.

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