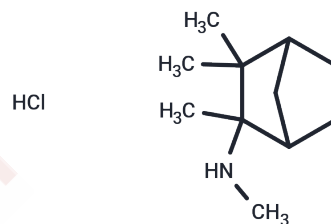


Mecamylamine hydrochloride

Chemical Properties

CAS No. :	826-39-1
Formula:	C ₁₁ H ₂₂ ClN
Molecular Weight:	203.75
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Mecamylamine hydrochloride (Mevasin) is a nicotinic antagonist, used as a ganglionic blocker in hypertension.
Targets(IC50)	AChR,Histamine Receptor

Solubility Information

Solubility	DMSO: 35.71 mg/mL (175.26 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 (9.82 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	4.908 mL	24.5399 mL	49.0798 mL
5 mM	0.9816 mL	4.908 mL	9.816 mL
10 mM	0.4908 mL	2.454 mL	4.908 mL
50 mM	0.0982 mL	0.4908 mL	0.9816 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

Struthers AM, et al. Pharmacol Biochem Behav. 2009 Dec;94(2):319-28.

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