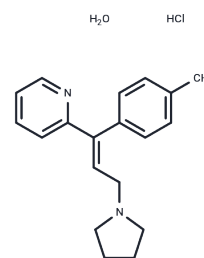


Triprolidine hydrochloride monohydrate

Chemical Properties

CAS No. :	6138-79-0
Formula:	C ₁₉ H ₂₅ ClN ₂ O
Molecular Weight:	332.87
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	Triprolidine hydrochloride monohydrate is a histamine H1 antagonist used in allergic rhinitis, asthma.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 257.5 mg/mL (773.58 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 (6.01 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (30.04 mM),Solution. <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	3.0042 mL	15.0209 mL	30.0418 mL
5 mM	0.6008 mL	3.0042 mL	6.0084 mL
10 mM	0.3004 mL	1.5021 mL	3.0042 mL
50 mM	0.0601 mL	0.3004 mL	0.6008 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

Hansen EB Jr, et al. J Pharm Sci. 1988 Mar;77(3):259-64.

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