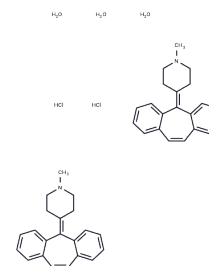


Cyproheptadine hydrochloride sesquihydrate

Chemical Properties

CAS No. :	41354-29-4
Formula:	C ₂₁ H ₂₄ ClNO
Molecular Weight:	341.88
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	Cyproheptadine hydrochloride sesquihydrate (Peritol), an antihistamine, is an antagonist of serotonin and histamine ₂ .
Targets(IC50)	5-HT Receptor,Histone Methyltransferase,Histamine Receptor

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 70 mg/mL (204.75 mM),Sonication is recommended. Ethanol: 20 mg/mL (58.5 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: 2.5 mg/mL (7.31 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	2.925 mL	14.625 mL	29.250 mL
5 mM	0.585 mL	2.925 mL	5.850 mL
10 mM	0.2925 mL	1.4625 mL	2.925 mL
50 mM	0.0585 mL	0.2925 mL	0.585 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

Rashid M, et al. Jpn J Pharmacol. 2002 Aug;89(4):405-12.

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