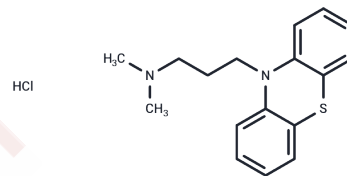


Promazine hydrochloride

Chemical Properties

CAS No. :	53-60-1
Formula:	C ₁₇ H ₂₁ ClN ₂ S
Molecular Weight:	320.88
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	Promazine hydrochloride (Romtiazin hydrochloride) is a phenothiazine with actions similar to CHLORPROMAZINE but with less antipsychotic activity. It is primarily used in short-term treatment of disturbed behavior and as an antiemetic.
Targets(IC50)	5-HT Receptor, Adrenergic Receptor, AChR, Dopamine Receptor

Solubility Information

Solubility	DMSO: 257.5 mg/mL (802.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (31.16 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.23 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	3.1164 mL	15.5821 mL	31.1643 mL
5 mM	0.6233 mL	3.1164 mL	6.2329 mL
10 mM	0.3116 mL	1.5582 mL	3.1164 mL
50 mM	0.0623 mL	0.3116 mL	0.6233 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

VLAVIANOS G, FINK L. Dis Nerv Syst. 1960 Sep;21:515-7.

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