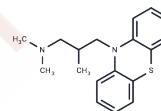
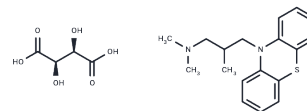


Alimemazine hemitartrate

Chemical Properties

CAS No. :	4330-99-8
Formula:	C ₁₈ H ₂₂ N ₂ S ₁ /2C ₄ H ₆ O ₆
Molecular Weight:	448.53
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	Alimemazine hemitartrate (Trimeprazine hemitartrate) is a phenothiazine derivative that is used as an antipruritic. It also acts as a sedative, hypnotic, and antiemetic for prevention of motion sickness.
Targets(IC50)	Others, Histamine Receptor, Influenza Virus

Solubility Information

Solubility	DMSO: 91 mg/mL (202.88 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: 3.3 mg/mL (7.36 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	2.2295 mL	11.1475 mL	22.2951 mL
5 mM	0.4459 mL	2.2295 mL	4.459 mL
10 mM	0.223 mL	1.1148 mL	2.2295 mL
50 mM	0.0446 mL	0.223 mL	0.4459 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

Hu OY et al. The Journal of Pharmacy and Pharmacology. 38 (3): 172-6.

Wang W, Li J, Qi W, et al. Drug repurposing for hard-to-treat human alveolar echinococcosis: pyronaridine and beyond. Parasitology. 2024: 1-8.

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