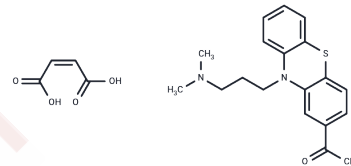


ACEPROMAZINE MALEATE

Chemical Properties

CAS No. :	3598-37-6
Formula:	C ₂₃ H ₂₆ N ₂ O ₅ S
Molecular Weight:	442.53
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	ACEPROMAZINE MALEATE is a dopamine receptor antagonist
Targets(IC50)	Adrenergic Receptor,Dopamine Receptor

Solubility Information

Solubility	DMSO: 250 mg/mL (564.93 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 (4.52 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	2.2597 mL	11.2987 mL	22.5973 mL
5 mM	0.4519 mL	2.2597 mL	4.5195 mL
10 mM	0.226 mL	1.1299 mL	2.2597 mL
50 mM	0.0452 mL	0.226 mL	0.4519 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

Monteiro E R , Neto F J T , Castro V B , et al. Effects of acepromazine on the cardiovascular actions of dopamine in anesthetized dogs[J]. Veterinary anaesthesia and analgesia, 2007, 34(5):312-321.

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