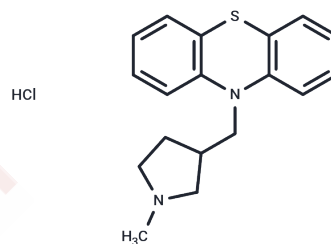


Methdilazine Hydrochloride

Chemical Properties

CAS No. :	1229-35-2
Formula:	C ₁₈ H ₂₁ ClN ₂ S
Molecular Weight:	332.89
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Methdilazine Hydrochloride (Bristaline) is a histamine H1 receptor antagonist used in the treatment of dermatologic conditions and for the relief of itching caused by allergies or rhinitis.
Targets(IC50)	Antibacterial,Antibiotic,Histamine Receptor
In vitro	Methdilazine Hydrochloride demonstrates inhibitory effects against various mycobacterial strains when applied at concentrations up to approximately 20 µg/mL for 18 hours, with observed minimum inhibitory concentrations (MICs) ranging between 5 and 15 µg/mL[1].

Solubility Information

Solubility	DMSO: 40 mg/mL (120.16 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: 1.5 mg/mL (4.51 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	3.004 mL	15.020 mL	30.040 mL
5 mM	0.6008 mL	3.004 mL	6.008 mL
10 mM	0.3004 mL	1.502 mL	3.004 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

- Chakrabarty AN, Bhattacharya CP, Dastidar SG. Antimycobacterial activity of methdilazine (Md), an antimicrobial phenothiazine. *APMIS*. 1993 Jun;101(6):449-54.
- TORROELLA J. [RESULTS OF FIELD TRIALS OF DIETHYLCARBAMAZINE ASSOCIATED WITH Methdilazine Hydrochloride AND TRIAMCINOLONE; STATISTICS ON THE COMPARATIVELY UNFAVORABLE REACTIONS OF THE USE OF DIETHYLCARBAMAZINE ALONE]. *Salud Publica Mex*. 1964 Jul-Aug;6:595-7. Spanish. PubMed PMID: 14196475.
- RAWITZ WE, MRRKSAMER D. Evaluation of Methdilazine Hydrochloride in therapy of allergic rhinitis. *Curr Ther Res Clin Exp*. 1962 Nov;4:564-7. PubMed PMID: 13990850.
- GRATER WC. Clinical determination of the dose response curve of Methdilazine Hydrochloride in allergic disorders. *Clin Med (Northfield)*. 1963 Jan;70:82-7. PubMed PMID: 15445920.

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