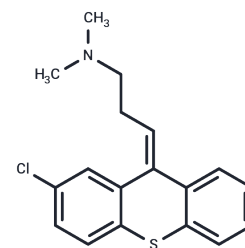


Chlorprothixene hydrochloride

Chemical Properties

CAS No. :	6469-93-8
Formula:	C ₁₈ H ₁₈ ClNS·HCl
Molecular Weight:	352.32
Storage:	Store at low temperature 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	Chlorprothixene hydrochloride (Truxal hydrochloride) brings strong blocking effects by blocking the 5-HT ₂ D ₁ , D ₂ , D ₃ , histamine H ₁ , muscarinic and alpha ₁ adrenergic receptors. Chlorprothixene hydrochloride is a typical antipsychotic drug of the thioxanthene (tricyclic) class.
Targets(IC ₅₀)	5-HT Receptor, Antibacterial, AChR, Histamine Receptor, Dopamine Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (28.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8383 mL	14.1916 mL	28.3833 mL
5 mM	0.5677 mL	2.8383 mL	5.6767 mL
10 mM	0.2838 mL	1.4192 mL	2.8383 mL
50 mM	0.0568 mL	0.2838 mL	0.5677 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

Froimowitz M, Cody V. J Med Chem. 1993 Jul 23;36(15):2219-27.

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