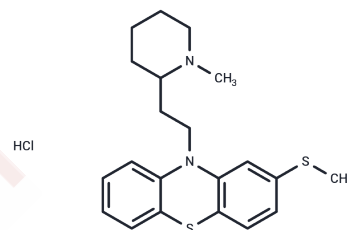


Thioridazine hydrochloride

Chemical Properties

CAS No. :	130-61-0
Formula:	C ₂₁ H ₂₇ ClN ₂ S ₂
Molecular Weight:	407.04
Storage:	Store under nitrogen 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	Thioridazine hydrochloride (Mellaril), an antipsychotic drug, is used in the therapy of psychosis and schizophrenia and shows serotonin antagonism or D4 selectivity.
Targets(IC50)	Apoptosis,5-HT Receptor,Antibacterial,Adrenergic Receptor,Autophagy,Dopamine Receptor,Potassium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (135.12 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 (4.91 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	2.4568 mL	12.2838 mL	24.5676 mL
5 mM	0.4914 mL	2.4568 mL	4.9135 mL
10 mM	0.2457 mL	1.2284 mL	2.4568 mL
50 mM	0.0491 mL	0.2457 mL	0.4914 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

Assie MB, et al. Eur J Pharmacol. 1993 Jun 24;237(2-3):183-9.

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