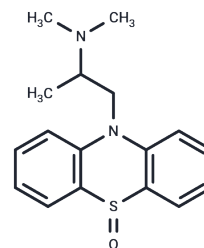


Promethazine Sulfoxide

Chemical Properties

CAS No. :	7640-51-9
Formula:	C ₁₇ H ₂₀ N ₂ O ₂ S
Molecular Weight:	300.42
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Promethazine sulfoxide, a metabolite of the histamine H1 receptor antagonist promethazine, is produced via the action of the cytochrome P450 (CYP) isoform CYP2D6, converting promethazine into this compound.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	Chloroform: Soluble Ethanol: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3287 mL	16.6434 mL	33.2867 mL
5 mM	0.6657 mL	3.3287 mL	6.6573 mL
10 mM	0.3329 mL	1.6643 mL	3.3287 mL
50 mM	0.0666 mL	0.3329 mL	0.6657 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.

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