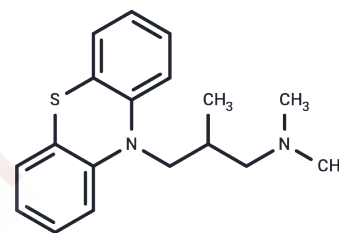


## Alimemazine

## Chemical Properties

CAS No. :	84-96-8
Formula:	C <sub>18</sub> H <sub>22</sub> N <sub>2</sub> S
Molecular Weight:	298.45
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	Alimemazine (Trimeprazine) is generally used as an antipruritic agent and also a hemagglutinin (HA)-receptor antagonist. Alimemazine also acts as a partial agonist against the histamine H1 receptor (H1R) and other GPCRs.
Targets(IC50)	Others,Histamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3506 mL	16.7532 mL	33.5064 mL
5 mM	0.6701 mL	3.3506 mL	6.7013 mL
10 mM	0.3351 mL	1.6753 mL	3.3506 mL
50 mM	0.067 mL	0.3351 mL	0.6701 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

- Singh B, et al. Bioanalytical method development and validation of alimemazine in human plasma by LC-MS/MS and its application in bioequivalence studies. J Pharm Bioallied Sci. 2013 Oct;5(4):257-64.
- Kuznetsova A, et al. Trimeprazine increases IRS2 in human islets and promotes pancreatic  $\beta$  cell growth and function in mice. JCI Insight. 2016;1(3).

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