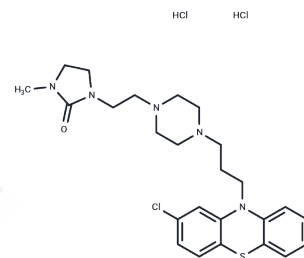


## Imiclopazine

## Chemical Properties

CAS No. :	7414-95-1
Formula:	C <sub>25</sub> H <sub>34</sub> Cl <sub>3</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	558.99
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	Imiclopazine, a phenothiazine derivative, exhibits sedative, analgesic, antiaggressive, and antiemetic effects.
Targets(IC50)	Others
In vitro	Imiclopazine effectively reverses multidrug-resistance (MDR) in P388 and P388/ADR cells, demonstrating this activity with EC50 values of 200 $\mu$ M[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7889 mL	8.9447 mL	17.8894 mL
5 mM	0.3578 mL	1.7889 mL	3.5779 mL
10 mM	0.1789 mL	0.8945 mL	1.7889 mL
50 mM	0.0358 mL	0.1789 mL	0.3578 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

A Ramu, et al. Reversal of multidrug resistance by phenothiazines and structurally related compounds. Cancer Chemother Pharmacol. 1992;30(3):165-73.

D. Lenke, et al. Pharmacological activity of new phenothiazine and azaphenothiazine derivatives. January 1971, Arzneimittel-Forschung. 21:288-293.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481