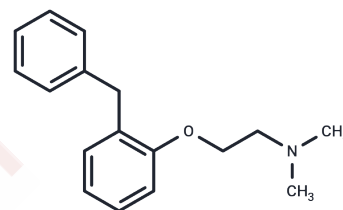


## Phenyltoloxamine

## Chemical Properties

CAS No. :	92-12-6
Formula:	C17H21NO
Molecular Weight:	255.35
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	Phenyltoloxamine (Bistrimin) is an antihistamine with sedative and analgesic properties, and it exhibits strong Sigma-1 receptor binding affinity with a $K_i$ of 160 nM [1] [2] [3].
Targets(IC50)	Others,Histamine Receptor,Cytochromes P450,Sigma receptor
In vitro	Phenyltoloxamine, within a concentration range of 10-50 $\mu$ M over 24 hours, demonstrates cytotoxic effects on EVSA-T cells [2]. Additionally, it exhibits significant binding affinity for the Sigma 1 Receptor (S1R), with a $K_i$ value of 160 nM [3]. At a higher concentration of 100 $\mu$ M, Phenyltoloxamine inhibits the CYP2D6 enzyme in human liver by 99.0% [4].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9162 mL	19.581 mL	39.1619 mL
5 mM	0.7832 mL	3.9162 mL	7.8324 mL
10 mM	0.3916 mL	1.9581 mL	3.9162 mL
50 mM	0.0783 mL	0.3916 mL	0.7832 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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