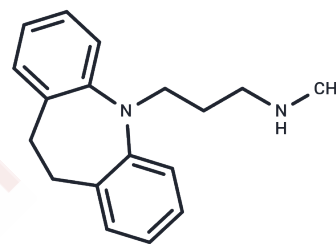


Desipramine

Chemical Properties

CAS No. :	50-47-5
Formula:	C18H22N2
Molecular Weight:	266.38
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	Desipramine is a tricyclic psychotic compound with antidepressant activity. Desipramine inhibits the norepinephrine reuptake receptor in the central nervous system and reduces the sleep-related loss of genioglossus activity, which can be used in studies to improve pharyngeal collapsibility[1][2].
Targets(IC50)	Others, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.754 mL	18.7702 mL	37.5404 mL
5 mM	0.7508 mL	3.754 mL	7.5081 mL
10 mM	0.3754 mL	1.877 mL	3.754 mL
50 mM	0.0751 mL	0.3754 mL	0.7508 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

Wang Y, Chen Y Y, Gao G B, et al. Polyphyllin D "Punctures" Hypertrophic Lysosomes to Reverse Drug Resistance of Hepatocellular Carcinoma by Targeting Acid Sphingomyelinase. *Molecular Therapy*. 2023

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