

Desipramine-D3 hydrochloride

Chemical Properties

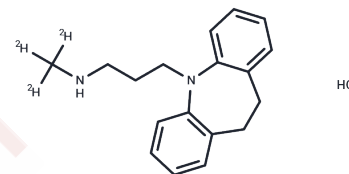
CAS No. :

Formula: C₁₈H₂₀D₃ClN₂

Molecular Weight: 305.86

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-D3 hydrochloride is a deuterated compound of Desipramine hydrochloride. Desipramine hydrochloride has a CAS number of 58-28-6. Desipramine Hydrochloride a secondary amine tricyclic antidepressant (TCA), is the hydrochloride salt form of desipramine. In the central nervous system (CNS), desipramine hydrochloride blocks the re-uptake of neurotransmitters, including norepinephrine and serotonin. This leads to an increase in the amount of these neurotransmitters in the synaptic cleft and prolongs their activities postsynaptically.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2695 mL	16.3473 mL	32.6947 mL
5 mM	0.6539 mL	3.2695 mL	6.5389 mL
10 mM	0.3269 mL	1.6347 mL	3.2695 mL
50 mM	0.0654 mL	0.3269 mL	0.6539 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

1. Zavosh A, et al. Brain Res Bull. 1999 Jul 1;49(4):291-5.

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