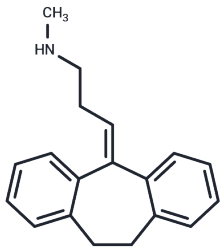
Data Sheet (Cat.No.T1327)

TargetMol

Nortriptyline hydrochloride

Chemical Properties



CAS No. : 894-71-3

Formula: C19H22ClN

Molecular Weight: 299.84

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	Nortriptyline hydrochloride (ELF-101 hydrochloride) is a metabolite of AMITRIPTYLINE that is also used as an antidepressive agent. Nortriptyline is used in major depression, dysthymia, and atypical depressions.
Targets(IC50)	Apoptosis,5-HT Receptor,Adrenergic Receptor,AChR,Norepinephrine,Autophagy, Histamine Receptor,Dopamine Receptor,Drug Metabolite

Solubility Information

Solubility	Ethanol: 54 mg/mL (180.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.67 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3351 mL	16.6756 mL	33.3511 mL
5 mM	0.667 mL	3.3351 mL	6.6702 mL
10 mM	0.3335 mL	1.6676 mL	3.3351 mL
50 mM	0.0667 mL	0.3335 mL	0.667 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

Joyce PR, et al. Int J Neuropsychopharmacol. 2003 Dec;6(4):339-46.
Pivetta R C, Rodrigues-Silva C, Ribeiro A R, et al. Tracking the occurrence of psychotropic pharmaceuticals in Brazilian wastewater treatment plants and surface water, with assessment of environmental risks. Science of The Total Environment. 2020: 138661
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