

Duloxetine-d3 HCl

Chemical Properties

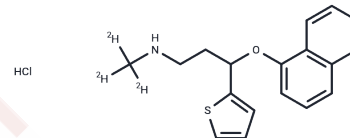
CAS No. : 1188266-11-6

Formula: C₁₈H₁₇D₃ClNOS

Molecular Weight: 336.89

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

Duloxetine-D3 hydrochloride is a deuterated compound of Duloxetine hydrochloride. Duloxetine hydrochloride has a CAS number of 136434-34-9. Duloxetine hydrochloride (T1471) is a thiophene derivative and selective neurotransmitter uptake inhibitor for SEROTONIN and NORADRENALINE (SNRI). It is an ANTIDEPRESSIVE AGENT and ANXIOLYTIC and is also used for the treatment of pain in patients with DIABETES MELLITUS and FIBROMYALGIA.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9683 mL	14.8416 mL	29.6833 mL
5 mM	0.5937 mL	2.9683 mL	5.9367 mL
10 mM	0.2968 mL	1.4842 mL	2.9683 mL
50 mM	0.0594 mL	0.2968 mL	0.5937 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

- Chen F, et al. Eur Neuropsychopharmacol. 2005 Mar; 15(2):193-8.

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