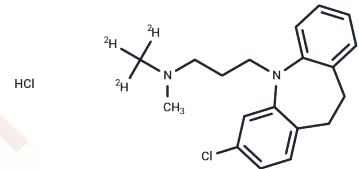


Clomipramine-D3 hydrochloride

Chemical Properties

CAS No. :	1398065-86-5
Formula:	C ₁₉ H ₂₄ Cl ₂ N ₂
Molecular Weight:	354.33
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	Clomipramine-D3 hydrochloride is the deuterium-labeled Clomipramine hydrochloride (TMSM-0794). Clomipramine is a serotonin transporter, norepinephrine transporter dopamine transporter blocker (K _i : 0.14, 54 and 3 nM).
Targets(IC50)	Dopamine Receptor, Serotonin Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8222 mL	14.1111 mL	28.2223 mL
5 mM	0.5644 mL	2.8222 mL	5.6445 mL
10 mM	0.2822 mL	1.4111 mL	2.8222 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

- Owens, M.J., et al., Neurotransmitter receptor and transporter binding profile of antidepressants and their metabolites. *J Pharmacol Exp Ther*, 1997. 283(3): p. 1305-22.
- McTavish, D. and P. Benfield, Clomipramine. An overview of its pharmacological properties and a review of its therapeutic use in obsessive compulsive disorder and panic disorder. *Drugs*, 1990. 39(1): p. 136-53.

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