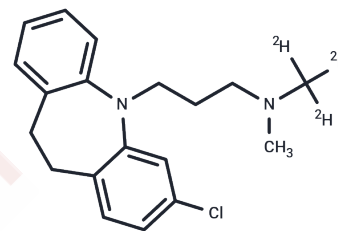


Clomipramine-D3

Chemical Properties

CAS No. :	136765-29-2
Formula:	C ₁₉ H ₂₃ ClN ₂
Molecular Weight:	317.87
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 is the deuterium-labeled Clomipramine. Clomipramine (T21013) 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	3.1459 mL	15.7297 mL	31.4594 mL
5 mM	0.6292 mL	3.1459 mL	6.2919 mL
10 mM	0.3146 mL	1.573 mL	3.1459 mL
50 mM	0.0629 mL	0.3146 mL	0.6292 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

- 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.
- 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.

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