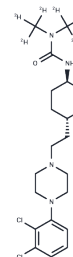


Cariprazine-D6

Chemical Properties

CAS No. :	1308278-67-2
Formula:	C ₂₁ H ₂₆ D ₆ Cl ₂ N ₄ O
Molecular Weight:	433.45
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	Cariprazine-D6 is a deuterium-labeled Cariprazine. Cariprazine (T4577) is an antipsychotic agent (D3 receptors, Ki: 0.085 nM; D2 receptors, Ki: 0.49 nM).
Targets(IC50)	5-HT Receptor, Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3071 mL	11.5354 mL	23.0707 mL
5 mM	0.4614 mL	2.3071 mL	4.6141 mL
10 mM	0.2307 mL	1.1535 mL	2.3071 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 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

Seneca N, et al. Occupancy of dopamine D2 and D3 and serotonin 5-HT_{1A} receptors by the novel antipsychotic drug candidate, cariprazine (RGH-188), in monkey brain measured using positron emission tomography. *Psychopharmacology (Berl)*. 2011 Dec;218(3):579-8

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