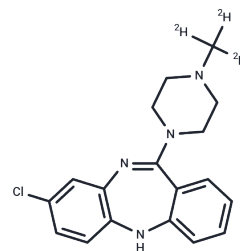


Clozapine-D3

Chemical Properties

CAS No. :	1215691-72-7
Formula:	C ₁₈ H ₁₆ D ₃ ClN ₄
Molecular Weight:	329.84
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	Clozapine-D3 is a deuterated compound of Clozapine. Clozapine (T0455) has a CAS number of 5786-21-0. Clozapine (T0455) is a tricyclic dibenzodiazepine, classified as an atypical antipsychotic agent. It binds several types of central nervous system receptors, and displays a unique pharmacological profile. Clozapine (T0455) is a serotonin antagonist, with strong binding to 5-HT 2A/2C receptor subtype. It also displays strong affinity to several dopaminergic receptors, but shows only weak antagonism at the dopamine D2 receptor, a receptor commonly thought to modulate neuroleptic activity.
Targets(IC50)	5-HT Receptor, Adrenergic Receptor, AChR, Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0318 mL	15.1589 mL	30.3177 mL
5 mM	0.6064 mL	3.0318 mL	6.0635 mL
10 mM	0.3032 mL	1.5159 mL	3.0318 mL
50 mM	0.0606 mL	0.3032 mL	0.6064 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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