

Deschloroclozapine dihydrochloride

Chemical Properties

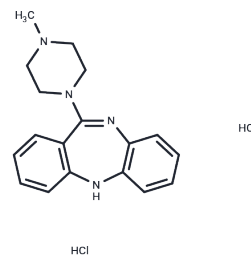
CAS No. :

Formula: C₁₈H₂₂Cl₂N₄

Molecular Weight: 365.30

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	Deschloroclozapine dihydrochloride, a metabolite of clozapine, is a potent agonist for muscarinic DREADDs. It binds to the DREADD receptor subtypes hM3Dq and hM4Di with K_i values of 6.3 and 4.2 nM, respectively. [¹¹ C]-Deschloroclozapine is a promising PET tracer for imaging DREADDs.
Targets(IC ₅₀)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7375 mL	13.6874 mL	27.3748 mL
5 mM	0.5475 mL	2.7375 mL	5.475 mL
10 mM	0.2737 mL	1.3687 mL	2.7375 mL
50 mM	0.0547 mL	0.2737 mL	0.5475 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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