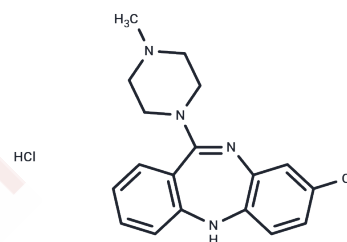


Clozapine HCl

Chemical Properties

CAS No. :	54241-01-9
Formula:	C ₁₈ H ₂₀ Cl ₂ N ₄
Molecular Weight:	363.29
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 HCl 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 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. Agranulocytosis is a major adverse effect associated with administration of this agent.
Targets(IC50)	Others,5-HT Receptor,Adrenergic Receptor,AChR,Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7526 mL	13.7631 mL	27.5262 mL
5 mM	0.5505 mL	2.7526 mL	5.5052 mL
10 mM	0.2753 mL	1.3763 mL	2.7526 mL
50 mM	0.0551 mL	0.2753 mL	0.5505 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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