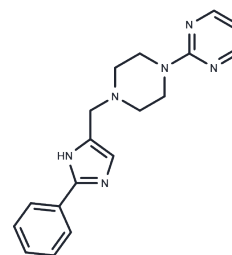


NGD 94-1

Chemical Properties

CAS No. : 178928-68-2
 Formula: C₁₈H₂₀N₆
 Molecular Weight: 320.39
 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	NGD 94-1 is a selective D4 receptor antagonist with an affinity of 3 nM for the D4 receptor and greater than 2 μ M for the D1, D2, D3, and D5 receptors. NGD 94-1 can be used in the study of cognitive disorders and other psychiatric disorders.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (31.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1212 mL	15.606 mL	31.212 mL
5 mM	0.6242 mL	3.1212 mL	6.2424 mL
10 mM	0.3121 mL	1.5606 mL	3.1212 mL
50 mM	0.0624 mL	0.3121 mL	0.6242 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

Jentsch JD, et al. Dopamine D4 receptor antagonist reversal of subchronic phencyclidine-induced object retrieval/detour deficits in monkeys. *Psychopharmacology (Berl)*. 1999 Feb;142(1):78-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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