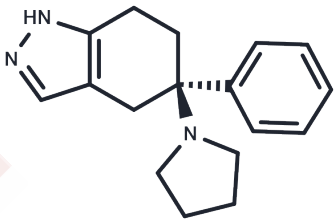
Data Sheet (Cat.No.T206943)

TargetMol

NMDAR antagonist 5

Chemical Properties



CAS No. : 3038464-68-2

Formula: C17H21N3

Molecular Weight: 267.369

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	NMDAR antagonist 5 (Compound A17) is a multi-target antagonist that acts on NMDAR and monoamine transporters (SERT, DAT, and NET). It demonstrates strong NMDAR antagonistic efficacy (IC50= 0.3 μM) and effective activity on monoamine transporters (SERT IC50= 1.1 μM, DAT IC50= 0.7 μM, NET IC50= 2.7 μM). NMDAR antagonist 5 exhibits high safety with low toxicity (hepatic and renal toxicity IC50> 100 μM; cardiac toxicity IC50= 24.5 μM). It has antidepressant properties and is useful for depression research.
Targets(IC50)	Dopamine Receptor,iGluR,Monoamine Transporter,Serotonin Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7401 mL	18.7007 mL	37.4014 mL
5 mM	0.748 mL	3.7401 mL	7.4803 mL
10 mM	0.374 mL	1.8701 mL	3.7401 mL
50 mM	0.0748 mL	0.374 mL	0.748 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.

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