

WMS-1405

## Chemical Properties

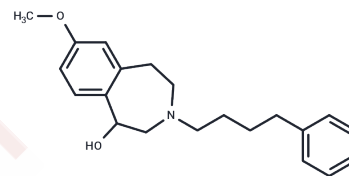
CAS No. : 1232196-73-4

Formula: C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>

Molecular Weight: 325.45

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

WMS-1405 is a derivative of ifenprodil. As a potent NR2B-selective NMDA receptor antagonist, it exhibits a  $K_i$  value of 5.4 nM. Synthesized through a central building block approach, WMS-1405 displays high NR2B affinity due to the specific distance between its basic nitrogen atom and phenyl residue. WMS-1405 has the potential to serve as an NMDA antagonist for excitotoxicity treatment.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0727 mL	15.3633 mL	30.7267 mL
5 mM	0.6145 mL	3.0727 mL	6.1453 mL
10 mM	0.3073 mL	1.5363 mL	3.0727 mL
50 mM	0.0615 mL	0.3073 mL	0.6145 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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