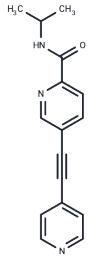
# Data Sheet (Cat.No.T27854)

LSN2463359

## Chemical Properties



CAS No. : 1401031-52-4

Formula: C16H15N3O

Molecular Weight: 265.31

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 | LSN2463359 is a positive allosteric modulators of the mGlu5 receptor. |
| Targets(IC50) | GluR |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 112.5 mg/mL (424.03 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.7692 mL | 18.8459 mL | 37.6918 mL |
| 5 mM | 0.7538 mL | 3.7692 mL | 7.5384 mL |
| 10 mM | 0.3769 mL | 1.8846 mL | 3.7692 mL |
| 50 mM | 0.0754 mL | 0.3769 mL | 0.7538 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

Gilmour G, et al. In vitro characterisation of the novel positive allosteric modulators of the $mGlu_5$ receptor, LSN2463359 and LSN2814617, and their effects on sleep architecture and operant responding in the rat. Neuropharmacology. 2013 Jan;64:224-39.

Gastambide F, et al. The $mGlu_5$ positive allosteric modulator LSN2463359 differentially modulates motor, instrumental and cognitive effects of NMDA receptor antagonists in the rat. Neuropharmacology. 2013 Jan;64:240-7.

Gastambide F, et al. Selective remediation of reversal learning deficits in the neurodevelopmental MAM model of schizophrenia by a novel mGlu5 positive allosteric modulator. Neuropsychopharmacology. 2012 Mar;37(4):1057-66.



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