

Antidepressant agent 8

Chemical Properties

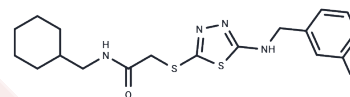
CAS No. : 3066104-04-6

Formula: C₁₈H₂₃FN₄O₂

Molecular Weight: 394.53

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 | Antidepressant agent 8 (Compound 1f) acts as a selective antagonist for the NMDA receptor GluN1/2A (NMDA receptorGluN1/2A), with an IC ₅₀ of 2.94 μmol/L. In a hydrocortisone-induced zebrafish depression model, it demonstrates antidepressant-like effects and shows good blood-brain barrier penetration. |
| Targets(IC ₅₀) | iGluR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5347 mL | 12.6733 mL | 25.3466 mL |
| 5 mM | 0.5069 mL | 2.5347 mL | 5.0693 mL |
| 10 mM | 0.2535 mL | 1.2673 mL | 2.5347 mL |
| 50 mM | 0.0507 mL | 0.2535 mL | 0.5069 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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