

VU0029767

Chemical Properties

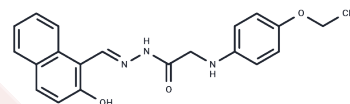
CAS No. : 1134973-88-8

Formula: C₂₁H₂₁N₃O₃

Molecular Weight: 363.41

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 | VU0029767 is an allosteric enhancer of the M1 muscarinic receptor, capable of modulating the receptor's activity. This compound enhances M1 receptor activity by increasing agonist affinity. However, VU0029767 demonstrates distinct characteristics from other compounds, particularly under varying experimental conditions such as its interaction with mutated M1 receptors and its effects on downstream signaling pathways. |
| Targets(IC50) | Others,AChR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7517 mL | 13.7586 mL | 27.5171 mL |
| 5 mM | 0.5503 mL | 2.7517 mL | 5.5034 mL |
| 10 mM | 0.2752 mL | 1.3759 mL | 2.7517 mL |
| 50 mM | 0.055 mL | 0.2752 mL | 0.5503 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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