

VU0152099

## Chemical Properties

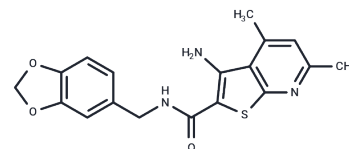
CAS No. : 612514-42-8

Formula: C<sub>18</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 355.41

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|                            |                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------|
| Description                | VU0152099 is a potent and selective M4 mAChR allosteric potentiator (EC <sub>50</sub> = 380 ± 93 nM). |
| Targets(IC <sub>50</sub> ) | AChR                                                                                                  |

## Solubility Information

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| Solubility | DMSO: 75 mg/ml (211.02 mM)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-----------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.8137 mL | 14.0683 mL | 28.1365 mL |
| 5 mM  | 0.5627 mL | 2.8137 mL  | 5.6273 mL  |
| 10 mM | 0.2814 mL | 1.4068 mL  | 2.8137 mL  |
| 50 mM | 0.0563 mL | 0.2814 mL  | 0.5627 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.

## Reference

Brady A E , Jones C K , Bridges T M , et al. Centrally Active Allosteric Potentiators of the M4 Muscarinic Acetylcholine Receptor Reverse Amphetamine-Induced Hyperlocomotor Activity in Rats[J]. Journal of Pharmacology

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