

TTA-P2

## Chemical Properties

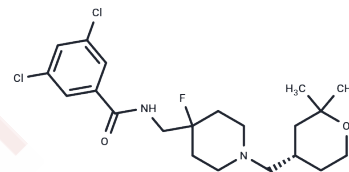
CAS No. : 1072018-68-8

Formula: C<sub>21</sub>H<sub>29</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>2</sub>

Molecular Weight: 431.37

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   | TTA-P2 (T-Type calcium channel inhibitor) is a potent inhibitor of T-type calcium channels. It effectively penetrates the CNS and blocks natural T-type currents in deep cerebellar nucleus neurons, completely eliminating window currents in wild-type and mutant Cav3.1 channels. [research] |
| Targets(IC50) | Others, Calcium Channel   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.3182 mL | 11.591 mL | 23.182 mL |
| 5 mM  | 0.4636 mL | 2.3182 mL | 4.6364 mL |
| 10 mM | 0.2318 mL | 1.1591 mL | 2.3182 mL |
| 50 mM | 0.0464 mL | 0.2318 mL | 0.4636 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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Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481