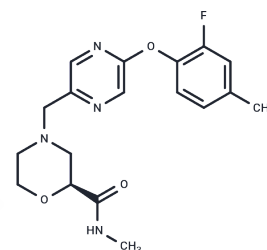


## Satoprodil

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2416269-15-1  |
| Formula:          | C <sub>18</sub> H <sub>21</sub> FN <sub>4</sub> O <sub>3</sub>  |
| Molecular Weight: | 360.38  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | Satoprodil (example 2) is a potent negative allosteric modulator of the N-methyl-D-aspartate (NMDA) receptor, with an IC <sub>50</sub> value of 123 nM specifically targeting NR2B. |
| Targets(IC <sub>50</sub> ) | iGluR   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.7748 mL | 13.8742 mL | 27.7485 mL |
| 5 mM  | 0.555 mL  | 2.7748 mL  | 5.5497 mL  |
| 10 mM | 0.2775 mL | 1.3874 mL  | 2.7748 mL  |
| 50 mM | 0.0555 mL | 0.2775 mL  | 0.555 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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