

VU0506013

Chemical Properties

CAS No. : 1207036-87-0

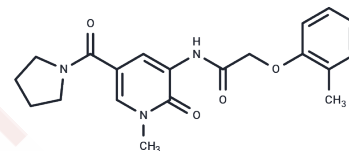
Formula: C₂₀H₂₃N₃O₄

Molecular Weight: 369.41

Keep away from moisture

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

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|---------------|--|
| Description | VU0506013 is a high-affinity positive allosteric modulator (PAM) of the neuropeptide Y4 receptor. This compound demonstrates nanomolar-level affinity and notable selectivity in engineered cell lines and the descending colon mucosa of mice that naturally express Y4R. VU0506013 presents a promising foundation for developing in vivo tools aimed at advancing anti-obesity compound research targeting Y4R. |
| Targets(IC50) | Neuropeptide Y Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.707 mL | 13.5351 mL | 27.0702 mL |
| 5 mM | 0.5414 mL | 2.707 mL | 5.414 mL |
| 10 mM | 0.2707 mL | 1.3535 mL | 2.707 mL |
| 50 mM | 0.0541 mL | 0.2707 mL | 0.5414 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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