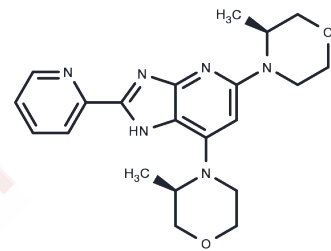


mTOR inhibitor-11

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 3033409-32-1 |
| Formula: | C ₂₁ H ₂₆ N ₆ O ₂ |
| Molecular Weight: | 394.47 |
| 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 | mTOR inhibitor-11 (Compound 9) is a brain-penetrant compound that inhibits mTOR with an IC ₅₀ of 21 nM for pS6 and exhibits inhibitory activity against pCHK1 and PDE4D with IC ₅₀ values of 17.2 μM and 17.0 μM, respectively. This compound is utilized in CNS disease research [1]. |
| Targets(IC ₅₀) | mTOR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.535 mL | 12.6752 mL | 25.3505 mL |
| 5 mM | 0.507 mL | 2.535 mL | 5.0701 mL |
| 10 mM | 0.2535 mL | 1.2675 mL | 2.535 mL |
| 50 mM | 0.0507 mL | 0.2535 mL | 0.507 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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