

FGFR-IN-7

Chemical Properties

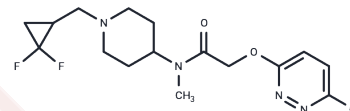
CAS No. : 2488764-17-4

Formula: C₁₆H₂₁ClF₂N₄O₂

Molecular Weight: 374.81

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 | FGFR-IN-7 (compound 17) is an orally active, potent FGFR modulator that penetrates the blood-brain barrier, exhibits neuroprotective properties, enhances brain exposure, and decreases the likelihood of phospholipidosis, proving valuable for research on neurodegenerative diseases [1]. |
| Targets(IC50) | FGFR,Others |
| In vivo | FGFR-IN-7 (compound 17), administered orally at a dosage of 1 mg/kg once daily for a duration of 10 days, significantly improves the recovery of coordinated movement in rats within an acute stroke model in vivo [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.668 mL | 13.3401 mL | 26.6802 mL |
| 5 mM | 0.5336 mL | 2.668 mL | 5.336 mL |
| 10 mM | 0.2668 mL | 1.334 mL | 2.668 mL |
| 50 mM | 0.0534 mL | 0.2668 mL | 0.5336 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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