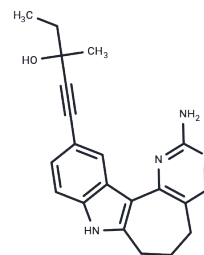


TTBK1/2-IN-3

Chemical Properties

CAS No. : 2857982-34-2
 Formula: C₂₁H₂₂N₄O
 Molecular Weight: 346.426
 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 | TTBK1/2-IN-3 (compound 10) is a potent inhibitor of Tau tubulin kinase 1 (TTBK1) and TTBK2, with IC ₅₀ values of 579 nM and 258 nM, respectively. TTBK1/2-IN-3 can reduce the expression of primary cilia on the surface of human induced pluripotent stem cells (iPSC). |
| Targets(IC ₅₀) | Microtubule Associated |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8866 mL | 14.4329 mL | 28.8659 mL |
| 5 mM | 0.5773 mL | 2.8866 mL | 5.7732 mL |
| 10 mM | 0.2887 mL | 1.4433 mL | 2.8866 mL |
| 50 mM | 0.0577 mL | 0.2887 mL | 0.5773 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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