

TTT20171

Chemical Properties

CAS No. : 2110408-47-2

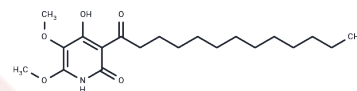
Formula: C₂₀H₃₃N₅O

Molecular Weight: 367.48

Keep away from direct sunlight

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 | TTT20171 is an SDHC inhibitor that demonstrates nanomolar-level inhibition of CII; however, it shows limited efficacy within cellular environments. In cell assays, the most responsive cells, 22Rv1 prostate cancer cells, exhibit an IC ₅₀ of 5.4 μM, which significantly exceeds both the suggested usage concentration of 2 μM and the chemical probe quality standard of 1 μM. |
| Targets(IC ₅₀) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7212 mL | 13.6062 mL | 27.2124 mL |
| 5 mM | 0.5442 mL | 2.7212 mL | 5.4425 mL |
| 10 mM | 0.2721 mL | 1.3606 mL | 2.7212 mL |
| 50 mM | 0.0544 mL | 0.2721 mL | 0.5442 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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