

CHDI 00484077

Chemical Properties

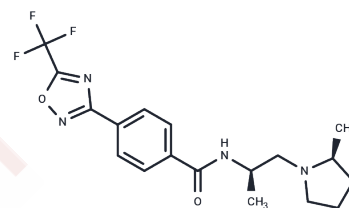
CAS No. : 3025894-92-9

Formula: C₁₈H₂₁F₃N₄O₂

Molecular Weight: 382.38

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 | CHDI 00484077 is a highly selective, central nervous system (CNS) permeable Class IIa HDAC inhibitor with inhibitory effects on HDAC4, HDAC5, HDAC7, and HDAC9, which improves neuronal function, and can be used to study Huntington's disease. |
| Targets(IC50) | HDAC |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 2.6152 mL | 13.076 mL | 26.152 mL |
| 5 mM | 0.523 mL | 2.6152 mL | 5.2304 mL |
| 10 mM | 0.2615 mL | 1.3076 mL | 2.6152 mL |
| 50 mM | 0.0523 mL | 0.2615 mL | 0.523 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.

Reference

Stott AJ, et al. Evaluation of 5-(Trifluoromethyl)-1,2,4-oxadiazole-Based Class IIa HDAC Inhibitors for Huntington's Disease. ACS Med Chem Lett. 2021 Feb 11;12(3):380-388.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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