

HDAC-IN-63

Chemical Properties

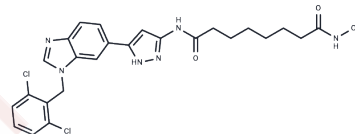
CAS No. : 2920046-95-1

Formula: C₂₅H₂₆Cl₂N₆O₃

Molecular Weight: 529.42

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 | HDAC-IN-63 (Compound 63) is a dual FLT3/HDAC inhibitor with IC ₅₀ values of 0.844 nM for FLT3 and 30.0 nM for HDAC1. It effectively suppresses MV4-11 cell proliferation (IC ₅₀ of 92 nM), induces apoptosis, and arrests the cell cycle in MV4-11 cells. This compound is applied in acute myeloid leukemia (AML) research [1]. |
| Targets(IC ₅₀) | Apoptosis,Others,FLT,HDAC |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8889 mL | 9.4443 mL | 18.8886 mL |
| 5 mM | 0.3778 mL | 1.8889 mL | 3.7777 mL |
| 10 mM | 0.1889 mL | 0.9444 mL | 1.8889 mL |
| 50 mM | 0.0378 mL | 0.1889 mL | 0.3778 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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