

HDAC-IN-59

Chemical Properties

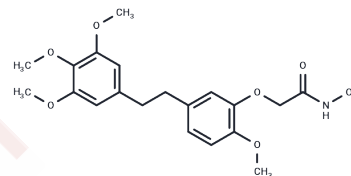
CAS No. : 2944459-43-0

Formula: C₂₀H₂₅N₇O

Molecular Weight: 391.42

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-59 (compound 13a), a potent histone deacetylase (HDAC) inhibitor, enhances intracellular reactive oxygen species (ROS) production, induces DNA damage, arrests the cell cycle at the G2/M phase, and triggers the mitochondrial apoptotic pathway, leading to cell apoptosis [1].
Targets(IC50)	Apoptosis,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5548 mL	12.774 mL	25.548 mL
5 mM	0.511 mL	2.5548 mL	5.1096 mL
10 mM	0.2555 mL	1.2774 mL	2.5548 mL
50 mM	0.0511 mL	0.2555 mL	0.511 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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