

HDAC1-IN-9

Chemical Properties

CAS No. :

Formula: C17H17N3O3

Molecular Weight: 311.34

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	HDAC1-IN-9 (13c) is an HDAC1 inhibitor. It inhibits the HDAC1 enzyme with an IC50 value of 1.07 μ M. This compound exhibits the strongest antiproliferative activity against HT-29 (human colon adenocarcinoma cells), with an IC50 of 1.78 μ M. In HCT-116 (human colon cancer cells), HDAC1-IN-9 significantly induces apoptosis. Additionally, HDAC1-IN-9 possesses antiangiogenic properties, reducing the expression levels of VEGFR-2 and phosphorylated VEGFR-2 (pVEGFR-2) by approximately 80%.
Targets(IC50)	HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2119 mL	16.0596 mL	32.1192 mL
5 mM	0.6424 mL	3.2119 mL	6.4238 mL
10 mM	0.3212 mL	1.606 mL	3.2119 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 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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