

Top/HDAC-IN-1

Chemical Properties

CAS No. :

Formula: C29H27N5O4

Molecular Weight: 509.56

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	Top/HDAC-IN-1 is a dual topoisomerase (Top)/HDAC inhibitor that acts on HDAC1 (IC50: 18 nM), HDAC2 (IC50: 230 nM), HDAC3 (IC50: 790 nM), HDAC6 (IC50: 87 nM) and HDAC8 (IC50: 5250 nM). Top/HDAC-IN-1 exhibited potent antitumor effects on HCT116 cells (IC50: 180 nM), blocked the cell cycle of HCT116 cells in G2 phase, and effectively induced apoptosis.
Targets(IC50)	Apoptosis,Others,HDAC,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9625 mL	9.8124 mL	19.6248 mL
5 mM	0.3925 mL	1.9625 mL	3.925 mL
10 mM	0.1962 mL	0.9812 mL	1.9625 mL
50 mM	0.0392 mL	0.1962 mL	0.3925 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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