

HDAC-IN-46

Chemical Properties

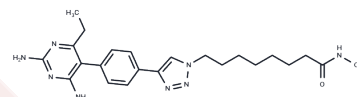
CAS No. : 2562386-85-8

Formula: C22H30N8O2

Molecular Weight: 438.53

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-46 (compound 12c) is a potent inhibitor of HDAC, targeting HDAC1 (IC50: 0.21 μ M) and HDAC6 (IC50: 0.021 μ M). It upregulates p-p38, downregulates Bcl-xL and cyclin D1 in MDA-MB-231 cells, blocks the cell cycle in the G2 phase, and induces apoptosis, making it useful for triple negative breast cancer (TNBC) studies.
Targets(IC50)	Apoptosis,Others,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2803 mL	11.4017 mL	22.8035 mL
5 mM	0.4561 mL	2.2803 mL	4.5607 mL
10 mM	0.228 mL	1.1402 mL	2.2803 mL
50 mM	0.0456 mL	0.228 mL	0.4561 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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