

HDAC6-IN-11

Chemical Properties

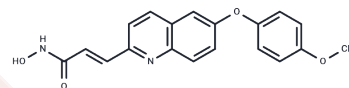
CAS No. : 2409072-27-9

Formula: C₁₉H₁₆N₂O₄

Molecular Weight: 336.34

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	HDAC6-IN-11 (Compound 9) is a selective HDAC6 inhibitor with an IC ₅₀ value of 20.7 nM, demonstrating over 300-fold selectivity against other isoforms [1], and exhibits anti-proliferative activities against cancer cells.
Targets(IC ₅₀)	Others,HDAC
In vitro	HDAC6-IN-11 treatment, at concentrations ranging from 0.44-6.68 μM over 48 hours, exhibits anti-proliferative effects on A549 and HCT116 cells, reducing their proliferation rates with half-maximal inhibitory concentrations (GI ₅₀) of 3.2 μM for A549 cells and 1.82 μM for HCT116 cells, respectively [1]. Additionally, exposure to HDAC6-IN-11 across a broader concentration span of 0-20 μM for the same duration enhances the acetylation of H3 and tubulin in HCT116 cells, demonstrating a dose-dependent elevation in the acetylation levels of these proteins and notably increasing acetylated tubulin [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9732 mL	14.8659 mL	29.7318 mL
5 mM	0.5946 mL	2.9732 mL	5.9464 mL
10 mM	0.2973 mL	1.4866 mL	2.9732 mL
50 mM	0.0595 mL	0.2973 mL	0.5946 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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