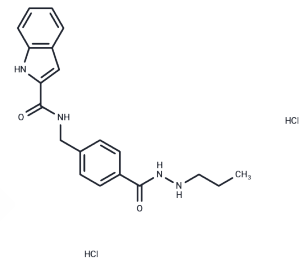


HDAC-IN-27 dihydrochloride

Chemical Properties

CAS No. : 3069831-25-7
 Formula: C₂₀H₂₄Cl₂N₄O₂
 Molecular Weight: 423.336
 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-27 dihydrochloride (Compound 11h) is a potent, orally active, HDACI class-selective inhibitor, with IC ₅₀ values ranging from 0.43 to 3.01 nM for HDAC1-3. This compound exhibits both in vivo and in vitro anticancer activity. HDAC-IN-27 shows significant antiproliferative effects against acute myeloid leukemia (AML) cell lines by inducing apoptosis and histone acetylation (AcH3 and AcH4). It is useful for research on acute myeloid leukemia (AML).
Targets(IC ₅₀)	Apoptosis,HDAC
In vitro	HDAC-IN-27 dihydrochloride (11h) in wild-type p53 MV4-11 cells can result in the cleavage of pro-caspase-3, significant apoptotic cell death, and accumulation of sub-G1 phase cell population, whereas in HL60 cells, it induces G2/M phase arrest without noticeable apoptotic effects.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3622 mL	11.8108 mL	23.6217 mL
5 mM	0.4724 mL	2.3622 mL	4.7243 mL
10 mM	0.2362 mL	1.1811 mL	2.3622 mL
50 mM	0.0472 mL	0.2362 mL	0.4724 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481