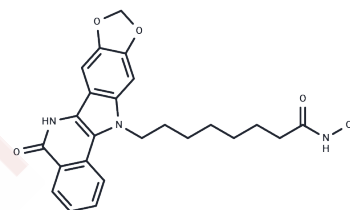


Top/HDAC-IN-3

Chemical Properties

CAS No. :	3059615-90-3
Formula:	C ₂₄ H ₂₅ N ₃ O ₅
Molecular Weight:	435.47
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-3 (Compound 31) is a dual inhibitor of Topoisomerase and HDAC with oral activity. It induces DNA damage by elevating reactive oxygen species (ROS) levels, consequently inhibiting the clonal formation and migration of cancer cells, and triggering apoptosis (Apoptosis) and cell cycle arrest. Top/HDAC-IN-3 demonstrates a significant antitumor effect in NSCLC models, exhibiting a tumor growth inhibition (TGI = 77.5%, 100 mg/kg) superior to that of the HDAC inhibitor SAHA and the combination of SAHA with the topoisomerase inhibitor Irinotecan.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, HDAC, Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2964 mL	11.4818 mL	22.9637 mL
5 mM	0.4593 mL	2.2964 mL	4.5927 mL
10 mM	0.2296 mL	1.1482 mL	2.2964 mL
50 mM	0.0459 mL	0.2296 mL	0.4593 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