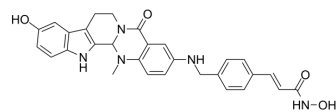


Top/HDAC-IN-1

Cat. No.:	HY-145851
CAS No.:	2775446-49-4
Molecular Formula:	C ₂₉ H ₂₇ N ₅ O ₄
Molecular Weight:	509.56
Target:	HDAC; Topoisomerase; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Top/HDAC-IN-1 (Compound 29b) is a topoisomerase/HDAC dual inhibitor with IC₅₀s of 18, 230, 790, 87, and 5250 nM for HDAC1, HDAC2, HDAC3, HDAC6, and HDAC8, respectively. Top/HDAC-IN-1 exhibits potent antitumor activities against the HCT116 cell line with the IC₅₀ of 180 nM. Top/HDAC-IN-1 efficiently induces apoptosis with G2 cell cycle arrest in HCT116 cells^[1].

REFERENCES

[1]. Fugui Zhu, et al. Design, Synthesis, and Structure-Activity relationships of Evodiamine-Based topoisomerase (Top)/Histone deacetylase (HDAC) dual inhibitors. *Bioorg Chem.* 2022 May;122:105702.

Caution: Product has not been fully validated for medical applications. For research use only.

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