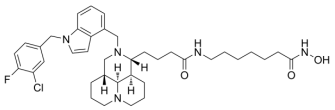
HDAC6-IN-29

Cat. No.:	HY-157401
Molecular Formula:	$C_{38}H_{51}ClFN_5O_3$
Molecular Weight:	680.29
Target:	HDAC; 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	HDAC6-IN-29 (compound 11g), hydroxamic analogue, is a HDAC6 inhibitor. HDAC6-IN-29 has potent antiproliferative activity against CAL-51 cells (IC_{50} = 1.17 μM) and is able to induce apoptosis and cause accumulation of cells in the S phase of the cell cycle. HDAC6-IN-29 can be used for the research of cancer[1].
IC_{50} & Target	IC50: 1.17 μM (CAL-51 cells)[1].

REFERENCES

[1]. Dai L, et al. Exploring Derivatives of Quinolizidine Alkaloid Sophoridine in the Design and Biological Mechanistic Evaluation of Histone Deacetylase Inhibitors for Triple-Negative Breast Cancer [J]. ChemMedChem, 2023: e202300467.

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