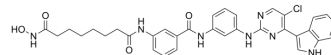


HDAC1/CDK7-IN-1

Cat. No.:	HY-156444
CAS No.:	2987905-95-1
Molecular Formula:	C ₃₃ H ₃₂ ClN ₇ O ₄
Molecular Weight:	626.1
Target:	HDAC; CDK; 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	HDAC1/CDK7-IN-1 (compound 8e) is a dual CDK7 and HDAC1 inhibitor with IC ₅₀ s of 893 nM and 248 nM, respectively. HDAC1/CDK7-IN-1 inhibits the growth cells of MDA-MB-231, MCF-7, A549, and HCT-116 cancer cells. HDAC1/CDK7-IN-1 induces cell cycle arrest and apoptosis in HCT-116 cells, as well as hindered the migration of HCT-116 cells ^[1] .	
IC ₅₀ & Target	CDK7 893 nM (IC ₅₀)	HDAC1 248 nM (IC ₅₀)

REFERENCES

[1]. Yao Chen, et al. Discovery of a Dual-Target Inhibitor of CDK7 and HDAC1 That Induces Apoptosis and Inhibits Migration in Colorectal Cancer. ChemMedChem. 2023 Oct 11:e202300281.

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

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