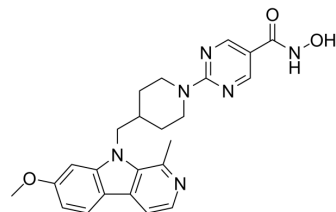


HDAC-IN-34

Cat. No.:	HY-143241
CAS No.:	2857097-33-5
Molecular Formula:	C ₂₄ H ₂₆ N ₆ O ₃
Molecular Weight:	446.5
Target:	HDAC; MDM-2/p53; 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	HDAC-IN-34 (compound 27) is a potent HDAC inhibitor, with IC ₅₀ values of 0.022 and 0.45 μM for HDAC1 and HDAC6, respectively. HDAC-IN-34 can bind to DNA and cause DNA damage. HDAC-IN-34 causes cells apoptosis through p53 signaling pathway. HDAC-IN-34 exhibits significant anti-proliferation effect against HCT-116 cells, with an IC ₅₀ of 1.41 μM ^[1] .	
IC ₅₀ & Target	HDAC1 0.022 ± 0. μM (IC ₅₀)	HDAC6 0.45 ± 0.0 μM (IC ₅₀)

REFERENCES

[1]. Lu D, et al. Harmine-based dual inhibitors targeting histone deacetylase (HDAC) and DNA as a promising strategy for cancer therapy. *Bioorg Chem.* 2022 Mar;120:105604.

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

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