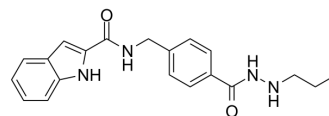


HDAC-IN-27

Cat. No.:	HY-142690
CAS No.:	2763368-89-2
Molecular Formula:	C ₂₀ H ₂₂ N ₄ O ₂
Molecular Weight:	350.41
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HDAC-IN-27 (Compound 11h) is a potent, selective and orally active HDAC Class I inhibitor, with IC ₅₀ values ranging from 0.43 nM to 3.01 nM for HDAC1-3. HDAC-IN-27 shows anti-acute myeloid leukemia (AML) activity ^[1] .
In Vitro	In wt-p53 MV4-11 cells, HDAC-IN-27 (11h) leads to pro-caspase-3 cleavage, apparent apoptotic cell death, and accumulation of sub-G1 cell population while inducing G2/M arrest in HL60 cells with no evidence of apoptosis ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jiang Y, et al. Potent Hydrazide-Based HDAC Inhibitors with a Superior Pharmacokinetic Profile for Efficient Treatment of Acute Myeloid Leukemia In Vivo. J Med Chem. 2022;65(1):285-302.

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

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