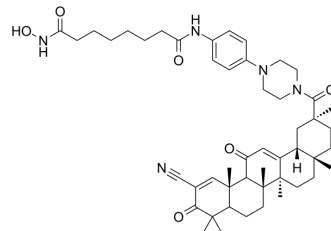


HDAC3/6-IN-2

Cat. No.:	HY-133147
CAS No.:	2417510-17-7
Molecular Formula:	C ₄₉ H ₆₇ N ₅ O ₆
Molecular Weight:	822.09
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	HDAC3/6-IN-2 (compound 15) is a potent HDAC6 and HDAC3 inhibitor, with IC ₅₀ values of 0.368 and 0.635 μM, respectively. HDAC3/6-IN-2 shows antitumor activity, and induces cancer cell apoptosis. HDAC3/6-IN-2 decreases the levels of HDAC6 and HDAC3, associated with upregulation of acetylated H3 and α-tubulin ^[1] .			
IC₅₀ & Target	HDAC6 0.368 μM (IC ₅₀)	HDAC3 0.635 μM (IC ₅₀)	HDAC1 2.512 μM (IC ₅₀)	HDAC2 4.830 μM (IC ₅₀)

REFERENCES

[1]. Huang M, Xie X, Gong P, et al. A 18β-glycyrrhetic acid conjugate with Vorinostat degrades HDAC3 and HDAC6 with improved antitumor effects. Eur J Med Chem. 2020;188:111991.

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

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