

HDAC/CD13-IN-1

Cat. No.: HY-156016

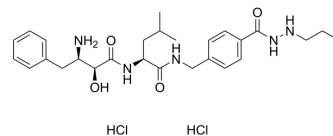
Molecular Formula: $C_{27}H_{41}Cl_2N_5O_4$

Molecular Weight: 570.55

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/CD13-IN-1 (Compound 12) is a HDAC/CD13 inhibitor (IC_{50} : 0.34 μ M for hCD13, 0.53 μ M for porcine CD13, 0.03, 0.06, 0.02 μ M for HDAC1/2/3). HDAC/CD13-IN-1 inhibits MV4-11, K562, Jeko-1, and HL60 cell proliferation (IC_{50} : 0.25-2.04 μ M). HDAC/CD13-IN-1 induces cancer cell apoptosis. HDAC/CD13-IN-1 has anti-metastasis and anti-invasion efficacy ^[1] .
IC_{50} & Target	0.34 μ M for hCD13, 0.53 μ M for porcine CD13, 0.03, 0.06, 0.02 μ M for HDAC1/2/3 ^[1]

REFERENCES

[1]. Jia G, et al. Design, synthesis, and biological evaluation of novel HDAC/CD13 dual inhibitors for the treatment of cancer. Eur J Med Chem. 2023 Nov 15;260:115752.

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

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