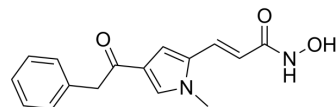


APHA Compound 8

Cat. No.:	HY-124022
CAS No.:	676599-90-9
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₃
Molecular Weight:	284.31
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	APHA Compound 8 (Compound 4) is a histone deacetylase (HDAC) inhibitor. APHA Compound 8 has antimouse HDAC1 activity with an IC ₅₀ value of 0.78 μM. APHA Compound 8, as antiproliferative and cytodifferentiating agent on MEL cells, shows dose-dependent growth inhibition and hemoglobin accumulation effects ^[1] .
IC₅₀ & Target	IC50:0.78 μM (HDAC1) ^[1] .

REFERENCES

[1]. Ragno R, et al. 3-(4-Aroyl-1-methyl-1H-pyrrol-2-yl)-N-hydroxy-2-propenamides as a new class of synthetic histone deacetylase inhibitors. 3. Discovery of novel lead compounds through structure-based drug design and docking studies. J Med Chem. 2004 Mar 11;47(6):1351-9.

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

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