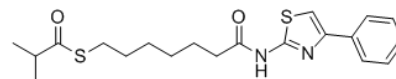


Product Name : NCH-51
Cat. No. : PC-43291
CAS No. : 848354-66-5
Molecular Formula : C₂₀H₂₆N₂O₂S₂
Molecular Weight : 390.5627
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

NCH-51 is the S-isobutyryl prodrug of NCH-31, which is a potent HDAC inhibitor with IC₅₀ of 48 nM for HDAC1, inhibits cell proliferation of NCI-H460 and MDA-MB-231 with IC₅₀ of 2.1 and 4.4 μM; inhibits the cell growth of a variety of lymphoid malignant cells through apoptosis induction, more effectively than SAHA, upregulates p21 and downregulated anti-apoptotic molecules including survivin, bcl-w and c-FLIP; also induces expression of latent HIV-1 through the Sp1 sites with minimal cytotoxicity in latently infected-cells.

References

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Suzuki T, et al. J Med Chem. 2005 Feb 24;48(4):1019-32.
Victoriano AF, et al. FEBS Lett. 2011 Apr 6;585(7):1103-11.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com