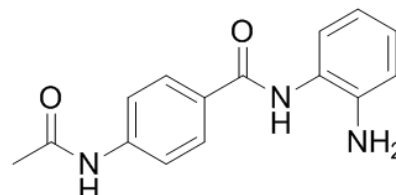


Product Name : CI-994
Cat. No. : PC-45907
CAS No. : 112522-64-2
Molecular Formula : C₁₅H₁₅N₃O₂
Molecular Weight : 269.2985
Target : HDAC
Solubility : DMSO: ≥ 58 mg/mL



Biological Activity

CI-994 (Tacedinaline) is a potent, selective **class I HDAC** inhibitor with IC₅₀ of 0.9/0.9/1.2 μM for HDAC1/2/3, respectively. CI-994 show no significant inhibitory activity against HDAC8 (IC₅₀>20 μM). CI-994 reduces S phase level and increases apoptosis in A-549 and LX-1 cells. CI-994 demonstrates antitumor activity against several tumor models, including the chemo-resistant mouse pancreatic ductal carcinoma as well as the human prostate tumor model LNCaP.

References

- Moradei OM, et al. *J Med Chem*. 2007 Nov 15;50(23):5543-6.
el-Beltagi HM, et al. *Cancer Res*. 1993 Jul 1;53(13):3008-14.
Loprevite M, et al. *Oncol Res*. 2005;15(1):39-48.

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

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