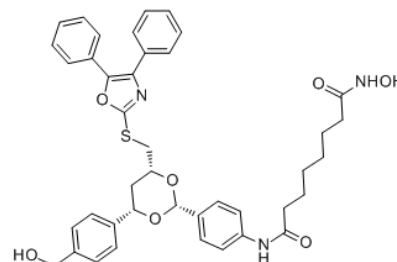


Product Name : Tubacin
Cat. No. : PC-43533
CAS No. : 537049-40-4
Molecular Formula : C₄₁H₄₃N₃O₇S
Molecular Weight : 721.861
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Tubacin is a potent, selective inhibitor of class II histone deacetylase 6 (**HDAC6**) with IC₅₀ of 4 nM, displays > 300-fold selectivity against all other HDAC isoforms.

Tubacin induces α -tubulin hyperacetylation at 2.5 μ M in primary cortical neuron cultures, inhibits proteasome and aggresome function induces synergistic antitumor activity in multiple myeloma.

Tubacin also suppresses proliferation and induces apoptosis of AML cells.

References

Haggarty SJ, et al. *Proc Natl Acad Sci U S A*. 2003 Apr 15;100(8):4389-94.

Butler KV, et al. *J Am Chem Soc*. 2010 Aug 11;132(31):10842-6.

Saji S, et al. *Oncogene*. 2005 Jun 30;24(28):4531-9.

Rao R, et al. *Blood*. 2008 Sep 1;112(5):1886-93.

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

E-mail: tech@probechem.com