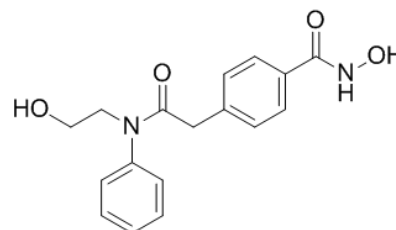


Product Name : HPOB
Cat. No. : PC-45702
CAS No. : 1429651-50-2
Molecular Formula : C₁₇H₁₈N₂O₄
Molecular Weight : 314.3358
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

HPOB is a potent and selective **HDAC6** inhibitor (IC₅₀=56 nM).
HPOB shows IC₅₀>1.7 μM for the other HDACs, more potent than tubacin.
HPOB selectively inhibits HDAC6 catalytic activity in vivo and in vitro.
HPOB causes growth inhibition of normal and transformed cells but does not induce cell death.
HPOB enhances the effectiveness of DNA-damaging anticancer drugs in transformed cells but not normal cells.

References

Lee JH, et al. *Proc Natl Acad Sci U S A*. 2013 Sep 24;110(39):15704-9.
Li ZY, et al. *Neurochem Int*. 2016 Oct;99:239-51.

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

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