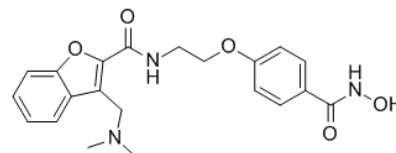


Product Name : PCI-24781
Cat. No. : PC-42767
CAS No. : 783355-60-2
Molecular Formula : C₂₁H₂₃N₃O₅
Molecular Weight : 397.4244
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

PCI-24781 (Abexinostat, CRA 024781) is a broad spectrum **HDAC** inhibitor, inhibits pure recombinant HDAC1 with K_i of 7 nM.

PCI-24781 also inhibits HDAC2, HDAC3/SMRT, HDAC6, HDAC8, and HDAC10 in the nanomolar range.

PCI-24781 causes the accumulation of acetylated histone and acetylated tubulin in tumor cell lines.

PCI-24781 decreases RAD51 expression and inhibits homologous recombination.

References

Buggy JJ, et al. *Mol Cancer Ther.* 2006 May;5(5):1309-17.

Adimoolam S, et al. *Proc Natl Acad Sci U S A.* 2007 Dec 4;104(49):19482-7.

Salvador MA, et al. *Clin Cancer Res.* 2013 Dec 1;19(23):6520-31.

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

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