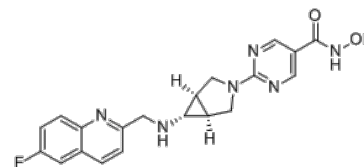


Product Name : CHR-3996
Cat. No. : PC-36094
CAS No. : 1256448-47-1
Molecular Formula : C₂₀H₁₉FN₆O₂
Molecular Weight : 394.41
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

CHR-3996 (Nanatinostat, VRx-3996, CHR3996, Tractinostat) is a potent, class I-selective, orally active **HDAC** inhibitor with IC₅₀ of 3-7 nM for HDAC1/2/3.

CHR-3996 displays little to no activity against HDAC5 and HDAC6 (IC₅₀=200-2000 nM).

CHR-3996 demonstrates growth inhibition of HCT116 cells with GI₅₀ of 72 nM, shows efficacy in human tumor xenograft and exhibits good activity in combination with other anticancer agents.

References

Moffat D, et al. *J Med Chem*. 2010 Dec 23;53(24):8663-78.

Banerji U, et al. *Clin Cancer Res*. 2012 May 1;18(9):2687-94.

Smith EM, et al. *Oncotarget*. 2015 Jul 10;6(19):17314-27.

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

E-mail: tech@probechem.com