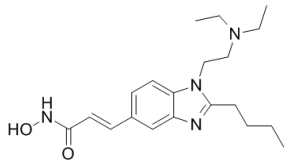
Product Name	:	Pracinostat
Synonyms	:	SB939;SB-939;SB 939
Cat No.	:	M16653
CAS Number	:	929016-96-6
Molecular Formula	:	C20H30N4O2
Formula Weight	:	358.48
Chemical Name	:	2-Propenamide, 3-[2-butyl-1-[2-(diethylamino)ethyl]-1H-benzimidazol-5-yl]-N-hydroxy-, (2E)-
Description	:	Pracinostat (SB939) is a potent, orally active HDAC inhibitor that potently inhibits class I, II, and IV HDACsw with Ki of 15-100 nM, inhibits HDAC1 with IC50 of 77 nM; shows cellular potency against COLO 205 cells with IC50 of 0.56 uM; Pracinostat (SB939) is highly efficacious in in vivo tumor models (HCT-116, PC-3, A2780, MV4-11, Ramos), and has high and dose-proportional oral exposures and very good ADME, safety, and pharmaceutical properties; also is a potent inhibitor of the growth of Plasmodium falciparum asexual-stage parasites in vitro (IC50=100 to 200 nM), causing hyperacetylation of parasite histone and nonhistone proteins.Blood Cancer Phase 3 Clinical
Pathway	:	Cell Cycle/DNA Damage
Target	:	HDAC
Receptor	:	HDAC1;HDAC10;HDAC11;HDAC2;HDAC3;HDAC4;HDAC5;HDAC6;HDAC7;HDAC8;HDAC9
Solubility	:	10 mM in DMSO
SMILES	:	O=C(NO)/C=C/C1=CC=C2N(CCN(CC)CC)C(CCCC)=NC2=C1
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Wang H, et al. J Med Chem. 2011 Jul 14;54(13):4694-720.| 2. Novotny-Diermayr V, et al. Mol Cancer Ther. 2011 Jul;10(7):1207-17.| 3. Sumanadasa SD, et al. Antimicrob Agents Chemother. 2012 Jul;56(7):3849-56.| 4. Razak AR, et al. Br J Cancer. 2011 Mar 1;104(5):756-62.