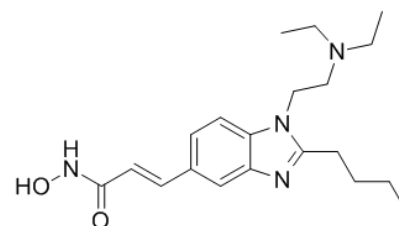


Product Name : Pracinostat
Cat. No. : PC-43492
CAS No. : 929016-96-6
Molecular Formula : C₂₀H₃₀N₄O₂
Molecular Weight : 358.48
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Pracinostat (SB939) is a potent, orally active **HDAC** inhibitor that potently inhibits class I, II, and IV HDACs with K_i of 15-100 nM, inhibits HDAC1 with IC_{50} of 77 nM.

Pracinostat (SB939) shows cellular potency against COLO 205 cells with IC_{50} of 0.56 μ M.

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.

Pracinostat (SB939) also is a potent inhibitor of the growth of Plasmodium falciparum asexual-stage parasites in vitro (IC_{50} =100 to 200 nM), causing hyperacetylation of parasite histone and nonhistone proteins.

References

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

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