

Product Name : Mocetinostat
Synonyms : MGCD0103;MGCD 0103;MGCD-0103

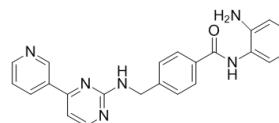
Cat No. : M15781

CAS Number : 726169-73-9

Molecular Formula : C₂₃H₂₀N₆O

Formula Weight : 396.44

Chemical Name : Benzamide, N-(2-aminophenyl)-4-[[[4-(3-pyridinyl)-2-pyrimidinyl]amino]methyl]-



Description : An isotype-selective small molecule HDAC inhibitor that selectively inhibits HDAC1 (IC₅₀=0.15 uM); also inhibits HDAC2/3/11; no effect on HDAC4/5/6/7/8; induces hyperacetylation of histones and caused cell cycle blockade in various human cancer cell lines; inhibits growth of human tumor xenografts in nude mice; orally bioactive. Blood Cancer Phase 2 Clinical

Pathway : Cell Cycle/DNA Damage

Target : HDAC

Receptor : HDAC1;HDAC11;HDAC2;HDAC3;HDAC4

Solubility : 10 mM in DMSO

SMILES : NC1=CC=CC=C1NC(=O)C1=CC=C(CNC2=NC=CC(=N2)C2=CN=CC=C2)C=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Fournel M, et al. Mol Cancer Ther. 2008 Apr;7(4):759-68. | 2. Zhou N, et al. J Med Chem. 2008 Jul 24;51(14):4072-5. | 3. Raeppe S, et al. Bioorg Med Chem Lett. 2009 Feb 1;19(3):644-9.