

Product Name : HDAC8-IN-22d

Synonyms : HDAC8-IN-1; MDK-7933; MDK 7933; MDK7933

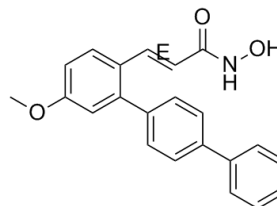
Cat No. : M11745

CAS Number : 1417997-93-3

Molecular Formula : C₂₂H₁₉NO₃

Formula Weight : 345.40

Chemical Name : (2E)-N-Hydroxy-3-(5-methoxy[1,1':4',1''-terphenyl]-2-yl)-2-propenamide



Description : HDAC8-IN-22d is a potent, selective HDAC8 inhibitor with IC₅₀ of 27.2 nM, exhibits no activity against other HDACs and limited activity against HDAC1 and 3; shows antiproliferative effects toward several human lung cancer cell lines (A549, H1299, and CL1-5); exhibits cytotoxicity against human lung CL1-5 cells (IC₅₀=7.0 uM) similar to that of SAHA yet without significant cytotoxicity for normal IMR-90 cells.

Pathway : Cell Cycle/DNA Damage

Target : HDAC

Receptor : HDAC8

Solubility : DMSO: 130 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : ONC/C=C/C1=CC=C(C(=C1C2=CC=C(C(=C2)C3=CC=CC=C3)OC)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Huang WJ, et al. ChemMedChem. 2012 Oct;7(10):1815-24.