
HPOB

产品编号: D50893

CAS: 1429651-50-2

分子式: C₁₇H₁₈N₂O₄

纯度: ≥98%

InChi: InChI=1S/C₁₇H₁₈N₂O₄/c20-11-10-19(15-4-2-1-3-5-15)16(21)12-13-6-8-14(9-7-13)17(22)18-23/h1-9,20,23H,10-12H₂,11,18,22

InChi Key: RFAZNTABYJYOAR-UHFFFAOYSA-N

Smiles: OCCN(C(=O)CC1C=CC(=CC=1)C(=O)NO)C1C=CC=CC=1

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: HPOB is a potent and selective HDAC6 inhibitor with IC₅₀ of 56 nM. It has >30-fold selectivity over other HDACs. It causes growth inhibition of normal and transformed cells but does not induce cell death. It enhances the effectiveness of DNA-damaging anticancer drugs in transformed cells but not normal cells. HPOB does not block the ubiquitin-binding activity of HDAC6. In mice bearing CWR22 human prostate cancer xenografts, when in combination with SAHA, HPOB causes suppression of the growth of established tumors, while produces no significant suppression when used alone.