
MGCD0103

产品编号: D51187

CAS: 726169-73-9

分子式: C₂₃H₂₀N₆O

纯度: ≥98%

InChi: InChI=1S/C₂₃H₂₀N₆O/c24-19-5-1-2-6-21(19)28-22(30)17-9-7-16(8-10-17)14-27-23-26-13-11-20(29-23)18-4-3-12-25-15-18/h1-13,15H,14,24H₂, (H,28,30)(H,26,27,29)

InChi Key: HRNLUBSXIHFDHP-UHFFFAOYSA-N

Smiles: NC1C=CC=CC=1NC(=O)C1C=CC(CNC2N=C(C=CN=2)C2=CC=CN=C2)=CC=1

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO: 13 mg/mL(32.79 mM).

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

产品介绍: MGCD0103, also known as Mocetinostat, is a rationally designed, orally available, Class 1-selective, small molecule, 2-aminobenzamide HDAC inhibitor with potential antineoplastic activity. MGCD0103 binds to and inhibits Class 1 isoforms of HDAC, specifically HDAC 1, 2 and 3, which may result in epigenetic changes in tumor cells and so tumor cell death; although the exact mechanism has yet to be defined, tumor cell death may occur through the induction of apoptosis, differentiation, cell cycle arrest, inhibition of DNA repair, upregulation of tumor suppressors, down regulation of growth factors, oxidative stress, and autophagy, among others.