
Citarinostat

产品编号: D60653

CAS: 1316215-12-9

分子式: C₂₄H₂₆ClN₅O₃

纯度: 96%

InChi Key: InChiKey=VLIUIBXPEDFJRF-UHFFFAOYSA-N

Smiles: C1=CC=C(C=C1)N(C2=CC=CC=C2Cl)C3=NC=C(C=N3)C(=O)NCCCCCCC(=O)NO

外观: 固体粉末

作用通路: Chromatin/Epigenetic

作用靶点: HDAC

溶解性: Soluble in DMSO、Ethanol

保存条件: -20°C

产品介绍: ACY-241, also known as Citarinostat (ACY241), is a potent, selective and orally available histone deacetylase (HDAC) inhibitor, with potential antineoplastic activity. Upon oral administration, ACY-241 inhibits the activity of HDACs; this results in an accumulation of highly acetylated chromatin histones, the induction of chromatin remodeling and an altered pattern of gene expression. This leads to the inhibition of tumor oncogene transcription, and the selective transcription of tumor suppressor genes, which inhibit tumor cell division and induce tumor cell apoptosis.