
IDH-C227

产品编号: D50736

CAS: 1355324-14-9

分子式: C₃₀H₃₁FN₄O₂

纯度: ≥98%

InChi: InChI=1S/C30H31FN4O2/c1-21-8-5-6-13-27(21)29(30(37)34-25-10-3-2-4-11-25)35(26-12-7-9-23(31)18-26)28(36)20-33-24-16-14-22(19-32)15-17-24/h5-9,12-18,25,29,33H,2-4,10-11,20H2,1H3,(H,34,37)

InChi Key: AATMNHPEZNXEK-UHFFFAOYSA-N

Smiles: CC1C=CC=CC=1C(C(=O)NC1CCCCC1)N(C1=CC(F)=CC=C1)C(=O)CNC1C=CC(=CC=1)C#N

外观: 固体粉末

作用通路: Isocitrate Dehydrogenase (IDH)

溶解性: DMSO up to 50 mM

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

产品介绍: IDH-C227 is a potent and selective IDH1 R132H inhibitor first reported in patent WO2012009678. It can inhibit the enzymatic activity of IDH1 R132H in vitro with an IC₅₀ < 0.1 μM, and 2-HG production in HT1080 and U87MG cells with IC₅₀ < 0.25 μM. Because the mutated form of IDH1 produces the metabolite, 2-hydroxyglutarate (2HG), which may contribute to the formation and malignant progression of gliomas as well as other forms of cancer, IDH-C227 serves as a very useful chemical probe to study this novel target.