
AG-120

产品编号: D51188

CAS: 1448346-63-1

分子式: C₂₈H₂₂ClF₃N₆O₃

纯度: ≥98%

InChi: InChI=1S/C₂₈H₂₂ClF₃N₆O₃/c29-21-4-2-1-3-20(21)25(26(40)36-18-11-28(31,32)12-18)37(19-10-17(30)14-34-15-19)27(41)22-5-6-24(39)38(22)23-9-16(13-33)7-8-35-23/h1-4,7-10,14-15,18,22,25H,5-6,11-12H₂, (H,36,40)/t22-,25?/m0/s1

InChi Key: WIJZXSAJMHAVGX-XADRRFQNSA-N

Smiles: N#CC1C=CN=C(C=1)N1[C@@H](CCC1=O)C(=O)N(C(C1C=CC=CC=1Cl)C(=O)NC1CC(F)(F)C1)C1=CC(F)=CN=C1

外观: 固体粉末

溶解性: Soluble in DMSO, not in water

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

产品介绍: AG-120 (racemic), a racemic mixture of AG-120, is an orally available inhibitor of isocitrate dehydrogenase type 1 (IDH1), with potential antineoplastic activity. Upon administration, AG-120 specifically inhibits a mutated form of IDH1 in the cytoplasm, which inhibits the formation of the oncometabolite, 2-hydroxyglutarate (2HG). This may lead to both an induction of cellular differentiation and an inhibition of cellular proliferation in IDH1-expressing tumor cells.