
LDN-193189 2HCl

产品编号: D59254

CAS: 1435934-00-1

分子式: C₂₅H₂₄Cl₂N₆

纯度: 99.78%

InChi Key: InChiKey=CMQXLLAILGGLRV-UHFFFAOYSA-N

Smiles: C1(C2=C3N=CC(C4=CC=C(N5CCNCC5)C=C4)=CN3N=C2)=C6C=CC=CC6=NC=C1.Cl.Cl

外观: 固体粉末

作用通路: Stem Cells;Angiogenesis;Tyrosine Kinase/Adaptors

作用靶点: TGF-beta/Smad;ALK

溶解性: H₂O: 45.0 mg/mL (93.9 mM); DMSO: 9.0 mg/mL (18.8 mM)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: LDN-193189 2HCl is a selective BMP signaling inhibitor that inhibits ALK1, ALK2, ALK3 and ALK6, showing IC₅₀s of 0.8 nM, 0.8 nM, 5.3 nM, and 16.7 nM, respectively, in kinase assays. LDN-193189 2HCl inhibited the transcriptional activity of BMP type I receptors in C2C12 cells, with IC₅₀s of 5 nM and 30 nM, respectively. LDN-193189 2HCl inhibited the transcriptional activity of BMP type I receptors ALK2 and ALK3 in C2C12 cells, with IC₅₀s of 5 nM and 30 nM, respectively, and was 200-fold more selective for BMP than for TGF-β.