
LDN-214117

产品编号: D51047

CAS: 1627503-67-6

分子式: C₂₅H₂₉N₃O₃

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₉N₃O₃/c1-17-22(19-14-23(29-2)25(31-4)24(15-19)30-3)13-20(16-27-17)18-5-7-21(8-6-18)28-11-9-26-10-12-28/h5-8,13-16,26H,9-12H₂,1-4H₃

InChi Key: BHUXVRVMYAXKN-UHFFFAOYSA-N

Smiles: CC1N=CC(=CC=1C1=CC(OC)=C(OC)C(=C1)OC)C1C=CC(=CC=1)N1CCNCC1

外观: 固体粉末

作用通路: TGF-β Receptor

溶解性: DMSO : ≥100 mg/mL (238.37 mM)

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

产品介绍: LDN-214117 is a selective and potent ALK2 inhibitor. LDN-214117 inhibited ALK2 most, with a biochemical IC₅₀ of 24 nM. There are currently no effective therapies for fibrodysplasia ossificans progressiva (FOP), a debilitating and progressive heterotopic ossification disease caused by activating mutations of ACVR1 encoding the BMP type I receptor kinase ALK2. LDN-214117 shows a high degree of selectivity for ALK2 and low cytotoxicity that could provide a template for preclinical development.