
Wnt-C59

产品编号: D50706

CAS: 1243243-89-1

分子式: C₂₅H₂₁N₃O

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₁N₃O/c1-18-15-22(12-14-27-18)20-6-4-19(5-7-20)16-25(29)28-24-10-8-21(9-11-24)23-3-2-13-26-17-23/h2-15,17H,16H₂,1H₃, (H,28,29)

InChi Key: KHZOJCQBHJUJFY-UHFFFAOYSA-N

Smiles: CC1C=C(C=CN=1)C1C=CC(CC(=O)NC2C=CC(=CC=2)C2C=NC=CC=2)=CC=1

外观: 固体粉末

作用通路: Porcupine

溶解性: DMSO up to 50 mM

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

产品介绍: Wnt-C59 is a very potent and highly selective Wnt signaling antagonist with an IC₅₀ ~ 74 pM in the Wnt signaling reporter assay. It prevents palmitoylation of Wnt proteins by Porcupine (a membrane-bound O-acyltransferase), thereby blocking Wnt protein secretion and activity. Wnt-C59 displayed good bioavailability as once daily oral administration and blocked progression of mammary tumors in MMTV-WNT1 transgenic mice model while downregulating Wnt/β-catenin target genes. Because Wnt-C59 exhibits much better potency and selectivity than the reported IWP series of Porcupine/Wnt inhibitors, it serves as the better Wnt pathway inhibitor for in vitro and in vivo studies.