
IWP-2

产品编号: D50785

CAS: 686770-61-6

分子式: C₂₂H₁₈N₄O₂S₃

纯度: ≥98%

InChi: InChi=1S/C₂₂H₁₈N₄O₂S₃/c1-13-7-8-15-17(11-13)31-21(23-15)25-18(27)12-30-22-24-16-9-10-29-19(16)20(28)26(22)14-5-3-2-4-6-14/h2-8,11H,9-10,12H2,1H3,(H,23,25,27)

InChi Key: WRKPZSMRWPJJDH-UHFFFAOYSA-N

Smiles: CC1=CC2SC(NC(=O)CSC3=NC4CCSC=4C(=O)N3C3C=CC=CC=3)=NC=2C=C1

外观: 固体粉末

作用通路: Casein Kinase

溶解性: DMSO up to 10 mM

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

产品介绍: IWP-2 is a potent and highly selective Wnt signaling antagonist with an IC₅₀ ~ 27 nM in the L-Wnt-STF cellular assay. It prevents palmitoylation of Wnt proteins by Porcupine (a membrane-bound O-acyltransferase), thereby blocking Wnt protein secretion and activity. It blocks Wnt-dependent phosphorylation of Lrp6 receptor and Dvl2, and β-catenin accumulation. IWP-2 is a useful chemical probe in both regenerative medicine and anticancer efforts.