
IWR-1

产品编号: D51161

CAS: 1127442-82-3

分子式: C₂₅H₁₉N₃O₃

纯度: ≥98%

InChi: InChI=1S/C₂₅H₁₉N₃O₃/c29-23(27-19-5-1-3-14-4-2-12-26-22(14)19)15-8-10-18(11-9-15)28-24(30)20-16-6-7-17(13-16)21(20)25(28)31/h1-12,16-17,20-21H,13H₂, (H,27,29)/t16-,17+,20-,21+

InChi Key: ZGSXEXBYLJIOGF-ALFLXDJESA-N

Smiles: O=C(NC1=CC=CC2=CC=CN=C21)C1C=CC(=CC=1)N1C(=O)[C@H]2[C@@H]3C[C@@H](C=C3)[C@H]2C1=O

外观: 固体粉末

作用通路: Wnt

溶解性: DMSO : ≥46 mg/mL (112.35 mM)

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

产品介绍: IWR-1, also known as IWR-1-endo, is a an inhibitor of the Wnt signaling cascade through inhibiting TNKSs, binding only to the adenosine-binding site. IWR-1 inhibits epithelial-mesenchymal transition of colorectal cancer cells through suppressing Wnt/β-catenin signaling as well as survivin expression. IWR-1 inhibits cell proliferation and EMT even in the presence of TNF-α-induced cancer cell stimulation. IWR-1 also significantly suppressed cell migration, invasion, and matrix metalloproteinase activities of CRC cell lines. IWR-1 provides EMT reversal effects by directly suppressing survivin expression.