
JW74

产品编号: D51489

CAS: 863405-60-1

分子式: C₂₄H₂₀N₆O₂S

纯度: ≥98%

InChi: InChI=1S/C₂₄H₂₀N₆O₂S/c1-16-3-5-17(6-4-16)22-26-21(32-29-22)15-33-24-28-27-23(18-11-13-25-14-12-18)30(24)19-7-9-20(31-2)10-8-19/h3-14H,15H₂,1-2H₃

InChi Key: KRIKILRRJCIWNB-UHFFFAOYSA-N

Smiles: CC1C=CC(=CC=1)C1N=C(CSC2=NN=C(C3C=CN=CC=3)N2C2C=CC(=CC=2)OC)ON=1

外观: 固体粉末

作用通路: Wnt

溶解性: Soluble in DMSO, not in water

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

产品介绍: JW74 is a tankyrase-specific inhibitor. JW74 affects cell cycle progression and induces apoptosis and differentiation in osteosarcoma cell lines. At the molecular level, JW74 induces stabilization of AXIN2, a key component of the β-catenin destruction complex, resulting in reduced levels of nuclear β-catenin. At the functional level, JW74 induces reduced cell growth in all three tested cell lines, in part due to a delay in cell cycle progression and in part due to an induction of caspase-3-mediated apoptosis. Furthermore, JW74 induces differentiation in U2OS cells, which under standard conditions are resistant to osteogenic differentiation. JW74 also enhances differentiation of OS cell lines, which do not harbor a differentiation block. (Cancer Med. 2014 Feb;3(1):36-46.)