
OTS-964 hydrochloride

产品编号: D51248

CAS: 1338545-07-5

分子式: C₂₃H₂₅ClN₂O₂S

纯度: ≥98%

InChi: InChI=1S/C₂₃H₂₄N₂O₂S.ClH/c1-13-11-18(26)19(16-7-5-15(6-8-16)14(2)12-25(3)4)20-17-9-10-28-22(17)23(27)24-21(13)20;/h5-11,14,26H,12H₂,1-4H₃,(H,24,27);1H/t14-;/m0./s1

InChi Key: YHPWOYBWUWSJDW-UQKRIMTDSA-N

Smiles: Cl.CC1=CC(O)=C(C2=C1NC(=O)C1SC=CC=12)C1C=CC(=CC=1)[C@@H](C)CN(C)C

外观: 固体粉末

作用通路: Apoptosis

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: OTS964 hydrochloride is a potent and selective TOPK inhibitor with potential anticancer activity. OTS964 inhibits TOPK kinase activity with high affinity and selectivity. Similar to the knockdown effect of TOPK small interfering RNAs (siRNAs), this inhibitor causes a cytokinesis defect and the subsequent apoptosis of cancer cells in vitro as well as in xenograft models of human lung cancer. Although administration of the free compound induced hematopoietic adverse reactions (leukocytopenia associated with thrombocytosis), the drug delivered in a liposomal formulation effectively caused complete regression of transplanted tumors without showing any adverse reactions in mice. (Sci Transl Med. 2014 Oct 22;6(259):259ra145.)