
OTS514

产品编号: D51245

CAS: 1338540-63-8

分子式: C₂₁H₂₀N₂O₂S

纯度: ≥98%

InChi: InChI=1S/C₂₁H₂₀N₂O₂S/c1-11-9-16(24)17(14-5-3-13(4-6-14)12(2)10-22)18-15-7-8-26-20(15)21(25)23-19(11)18/h3-9,12,24H,10,22H₂,1-2H₃, (H,23,25)/t12-/m0/s1

InChi Key: OETLNMOJNONWOY-LBPRGKRZSA-N

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

外观: 固体粉末

作用通路: Apoptosis

溶解性: Soluble in DMSO

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

产品介绍: OTS514 is a potent TOPK (T-LAK cell-originated protein kinase) inhibitor. OTS514 exhibits growth suppressive effect on small cell lung cancer. TS514 effectively suppressed growth of SCLC cell lines (IC₅₀ ; 0.4 ~ 42.6 nM) and led to their apoptotic cell death. Treatment with OTS514 suppressed forkhead box protein M1 (FOX M1) activity, which was involved in stemness of CSC. Furthermore, OTS514 treatment reduced CD90-positive SCLC cells and showed higher cytotoxic effect against lung sphere-derived CSC-like SCLC cells.