
HTH-01-015

产品编号: D51072

CAS: 1613724-42-7

分子式: C₂₆H₂₈N₈O

纯度: ≥98%

InChi: InChI=1S/C₂₆H₂₈N₈O/c1-16-23-24(31-26(29-16)30-19-14-28-34(15-19)20-8-10-27-11-9-20)32(2)22-13-18-7-5-4-6-17(18)12-21(22)25(35)33(23)3/h4-7,12-15,20,27H,8-11H₂,1-3H₃,11)1)

InChi Key: CHSDJDLAKKAWCI-UHFFFAOYSA-N

Smiles: CC1=NC(NC2=CN(N=C2)C2CCNCC2)=NC2=C1N(C)C(=O)C1C=C3C=CC=CC3=CC=1N2C

外观: 固体粉末

作用通路: AMPK

溶解性: Soluble in DMSO

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

产品介绍: HTH-01-015 is a potent and selective inhibitor of NUAK1 (IC₅₀ = 100 nM) and does not affect the activity of a panel of 139 other kinases, including additional AMPK family members. The administration of HTH-01-015 to MEFs (mouse embryonic fibroblasts) significantly inhibits migration in a wound-healing assay to a similar extent as NUAK1-knockout. HTH-01-015 also inhibit proliferation of MEFs to the same extent as NUAK1 knockout and U2OS cells to the same extent as NUAK1 shRNA knockdown. HTH-01-015 impaired the invasive potential of U2OS cells in a 3D cell invasion assay to the same extent as NUAK1 knockdown. HTH-01-015 will serve as useful chemical probes to delineate the biological roles of the NUAK kinases.