
HS-173

产品编号: D51650

CAS: 1276110-06-5

分子式: C₂₁H₁₈N₄O₄S

纯度: ≥98%

InChi: InChI=1S/C₂₁H₁₈N₄O₄S/c1-2-29-21(26)19-13-23-20-9-8-15(14-25(19)20)16-10-17(12-22-11-16)24-30(27,28)18-6-4-3-5-7-18/h3-14,24H,2H₂,1H₃

InChi Key: SEKOTFCHZNXM-UHFFFAOYSA-N

Smiles: CCOC(=O)C1=CN=C2C=CC(=CN21)C1C=NC=C(C=1)NS(=O)(=O)C1C=CC=CC=1

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: HS-173 is a potent PI3K α inhibitor with potential anticancer activity. HS-173 inhibited the PI3K signaling pathway, and showed anti-proliferative effects on cancer cells. Also, HS-173 induced cell cycle arrest at the G(2)/M phase and apoptosis. In addition, HS-173 decreased the expression HIF-1 α and VEGF which play an important role in angiogenesis. This effect was confirmed by the suppression of tube formation and migration assay in vitro. Furthermore, HS-173 diminished blood vessel formation in the Matrigel plug assay in mice. Therefore, HS-173 is considered as a novel drug candidate to treat cancer patients.