
PIK-III

产品编号: D51111

CAS: 1383716-40-2

分子式: C₁₇H₁₇N₇

纯度: ≥98%

InChi: InChi=1S/C17H17N7/c18-16-21-10-13(15(23-16)9-11-1-2-11)14-5-8-20-17(24-14)22-12-3-6-19-7-4-12/h3-8,10-11H,1-2,9H2,(H2,18,21,23)(H,19,20,22,24)

InChi Key: XXSDLQLNIVFIJI-UHFFFAOYSA-N

Smiles: NC1N=C(CC2CC2)C(=CN=1)C1C=CN=C(NC2C=CN=CC=2)N=1

外观: 固体粉末

作用通路: Autophagy

溶解性: Soluble in DMSO

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

产品介绍: PIK-III, also known as VPS34-IN2, is a VPS34 inhibitor which blocks autophagy and uncovers a role for NCOA4 in ferritin degradation and iron homeostasis in vivo. PIK-III binds a unique hydrophobic pocket not present in related kinases such as PI(3)Kα. PIK-III acutely inhibits autophagy and de novo lipidation of LC3, and leads to the stabilization of autophagy substrates. .