
APS-2-79

产品编号: D51145

CAS: 2002381-25-9

分子式: C₂₃H₂₁N₃O₃

纯度: ≥98%

InChi: InChI=1S/C₂₃H₂₁N₃O₃/c1-15-11-17(29-16-7-5-4-6-8-16)9-10-19(15)26-23-18-12-21(27-2)22(28-3)13-20(18)24-14-25-23/h4-14H,1-3H₃, (H,24,25,26)

InChi Key: PEKZLFZZBGBOPJ-UHFFFAOYSA-N

Smiles: CC1C=C(C=CC=1NC1=NC=NC2=CC(OC)=C(C=C21)OC)OC1C=CC=CC=1

外观: 固体粉末

作用通路: MEK

溶解性: Soluble in DMSO

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

产品介绍: APS-2-79 is a KSR-dependent MAPK modulator. APS-2-79 modulates KSR-dependent MAPK signalling by antagonizing RAF heterodimerization as well as the conformational changes required for phosphorylation and activation of KSR-bound MEK (mitogen-activated protein kinase kinase). APS-2-79 increased the potency of several MEK inhibitors specifically within Ras-mutant cell lines by antagonizing release of negative feedback signalling, demonstrating the potential of targeting KSR to improve the efficacy of current MAPK inhibitors. Co-targeting of enzymatic and scaffolding activities within Ras-MAPK signalling complexes is a therapeutic strategy for overcoming Ras-driven cancers.