
CC-115

产品编号: D51117

CAS: 1228013-15-7

分子式: C₁₆H₁₆N₈O

纯度: ≥98%

InChi: InChI=1S/C₁₆H₁₆N₈O/c1-3-24-13(25)7-18-15-16(24)22-12(6-17-15)10-4-5-11(21-9(10)2)14-19-8-20-23-14/h4-6,8H,3,7H₂,1-2H₃, (H,17,18)(H,19,20,23)

InChi Key: GMYLVKUGJMYTFB-UHFFFAOYSA-N

Smiles: CC1=NC(=CC=C1C1=CN=C2NCC(=O)N(CC)C2=N1)C1NN=CN=1

外观: 固体粉末

作用通路: DNA-PK

溶解性: Soluble in DMSO, not in water

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

产品介绍: CC-115 is a dual inhibitor of DNA-dependent protein kinase (DNA-PK) and mammalian target of rapamycin (mTOR), with potential antineoplastic activity. CC-115 binds to and inhibits the activity of DNA-PK and both raptor-mTOR (TOR complex 1 or TORC1) and rictor-mTOR (TOR complex 2 or TORC2), which may lead to a reduction in cellular proliferation of cancer cells expressing DNA-PK and TOR. DNA-PK, a serine/threonine kinase and a member of the PI3K-related kinase subfamily of protein kinases, is activated upon DNA damage and plays a key role in repairing double-stranded DNA breaks via the DNA nonhomologous end joining (NHEJ) pathway.