
LY2835219 free base

产品编号: D51291

CAS: 1231929-97-7

分子式: C₂₇H₃₂F₂N₈

纯度: ≥98%

InChi: InChi=1S/C₂₇H₃₂F₂N₈/c1-5-35-8-10-36(11-9-35)16-19-6-7-24(30-14-19)33-27-31-15-22(29)25(34-27)20-12-21(28)26-23(13-20)37(17(2)3)18(4)32-26/h6-7,12-15,17H,5,8-11,16H₂,1-4H₃, (H,30,31,33,34)

InChi Key: UZWDCWONPYILKI-UHFFFAOYSA-N

Smiles: CC1=NC2=C(C=C(C=C2F)C2=NC(NC3C=CC(CN4CCN(CC4)CC)=CN=3)=NC=C2F)N1C(C)C

外观: 固体粉末

作用通路: CDK

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: LY2835219 free base is orally available cyclin-dependent kinase (CDK) inhibitor that targets the CDK4 (cyclin D1) and CDK6 (cyclin D3) cell cycle pathway, with potential antineoplastic activity. LY2835219 inhibits CDK4 and CDK6 with low nanomolar potency. LY2835219 specifically inhibits CDK4 and 6, thereby inhibiting retinoblastoma (Rb) protein phosphorylation in early G1. Inhibition of Rb phosphorylation prevents CDK-mediated G1-S phase transition, thereby arresting the cell cycle in the G1 phase, suppressing DNA synthesis and inhibiting cancer cell growth.