

hSMG-1 inhibitor 11j

产品编号: D53937

CAS: 1402452-15-6

分子式: C₂₇H₂₈ClN₇O₃S

纯度: 99.22%

InChi Key: InChIKey=RZFJBSIAXYEPBX-UHFFFAOYSA-N

Smiles: O=C(NC1=CC=C(C=C1)C2=NC=CC(=C2)C3=NC(=NC=C3)NC4=CC=C(Cl)C(=C4)S(=O)(=O)N(CC)C
C)NC

外观: 固体粉末

作用通路: PI3K/Akt/mTOR signaling

作用靶点: mTOR; PI3K

溶解性: DMSO : 70 mg/mL (123.7 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: hSMG-1 inhibitor 11j is a pyrimidine derivative. hSMG-1 inhibitor 11j is a potent and selective inhibitor of hSMG-1, IC₅₀ = 0.11 nM. hSMG-1 inhibitor 11j exhibits >455-fold selectivity for hSMG-1 over mTOR (IC₅₀=50 nM), PI3K α/γ (IC₅₀=92/60 nM) and CDK1/CDK2 (IC₅₀=32/7.1 μ M). hSMG-1 inhibitor 11j can be used for the research of cancer.