
Quarfloxin

产品编号: D59012

CAS: 865311-47-3

分子式: C₃₅H₃₃FN₆O₃

纯度: 99.76%

InChi Key: InChIKey=WOQIDNWTQOYDLF-UHFFFAOYSA-N

Smiles: CN1C(CCN=C(C(C(c2cc(F)c3N(CC4)CC4c4nccnc4)=O)=CN4c2c3Oc2cc3ccccc3cc24)O)CCC1

外观: 固体粉末

作用通路: Cell Cycle/Checkpoint; DNA Damage/DNA Repair

作用靶点: DNA/RNA Synthesis

溶解性: DMSO: 55 mg/ml (90.96 mM); H₂O: 1 mg/mL (1.65 mM; ultrasonic and adjust pH to 5 with 0.1 M HCL)

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

产品介绍: Quarfloxin is a fluoroquinolone derivative with antineoplastic activity with IC₅₀ values in the nanomolar range in neuroblastoma cells. Quarfloxin disrupts the interaction between the nucleolin protein and a G-quadruplex DNA structure in the ribosomal DNA template.