
Telomerase-IN-1

产品编号: D56752

CAS: 666859-49-0

分子式: C₂₁H₂₃FN₂O₄

纯度: 97.39%

InChi Key: InChIKey=FDXXXOGKSMENLY-UHFFFAOYSA-N

Smiles: O=C(C1=CC=C(F)C=C1)C2CCN(CC2)CC(OC)C3=CC=C(C=C3)N(=O)=O

外观: 固体粉末

作用通路: DNA Damage/DNA Repair

作用靶点: Telomerase

溶解性: DMSO : 90.0 mg/mL (232.9 mM; Need ultrasonic)

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

产品介绍: Telomerase-IN-1 is a telomerase inhibitor (IC₅₀: 0.19 μM). telomerase-IN-1 activates hTERT expression through the endoplasmic reticulum stress (ERS) of the ER overreaction (EOR), which then induces ERS, leading to apoptosis. telomerase-IN-1 leads to inhibition of cell proliferation through the expression of downstream signaling molecules including Telomerase-IN-1 has high inhibitory activity against telomerase, high anti-proliferative capacity against SMMC-7721 cells, and no significant toxic effect on human normal hepatocytes. telomerase-IN-1 in xenograft tumor model exhibited antitumor activity.