
D-I03

产品编号: D52572

CAS: 688342-78-1

分子式: C₂₃H₃₆N₆S

纯度: 99.04%

InChi Key: InChIKey=UXDGHRWOHOPKIL-UHFFFAOYSA-N

Smiles: S=C(NC=1C=CC=2N=C(C=C(C2C1)C)N3CCN(CC)CC3)NCCN(CC)CC

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: 90mg/mL (210mM;)

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

产品介绍: D-I03 is a selective RAD52 inhibitor with a K_d of 25.8 μM. D-I03 specifically inhibits RAD52-dependent single-chain annealing (SSA) and D-loop formation, with IC₅₀ of 5 μM and 8 μM, respectively. D-I03 inhibited the growth of BRCA1 and BRCA2 deficient cells and inhibited the formation of damage-induced RAD52 foci, but does not effect on RAD51 foci induced by Cisplatin.