
Torin 1

产品编号: D51260

CAS: 1222998-36-8

分子式: C₃₅H₂₈F₃N₅O₂

纯度: ≥98%

InChi: InChI=1S/C₃₅H₂₈F₃N₅O₂/c1-2-32(44)42-15-13-41(14-16-42)31-11-9-26(19-28(31)35(36,37)38)43-33(45)12-8-24-20-40-30-10-7-22(18-27(30)34(24)43)25-17-23-5-3-4-6-29(23)39-21-25/h3-12,17-21H,2,13-16H₂,1H₃

InChi Key: AKCRNFFTGX BONI-UHFFFAOYSA-N

Smiles: CCC(=O)N1CCN(CC1)C1C=CC(=CC=1C(F)(F)F)N1C2=C(C=CC1=O)C=NC1C=CC(=CC=12)C1=CC2=CC=CC=C2N=C1

外观: 固体粉末

作用通路: Autophagy

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: Torin-1 is a potent and selective mTOR inhibitor. The apoptosis-inducing mTOR inhibitor Torin-1 hindered growth, motility, invasion, and survival of CoCSCs in vitro, and suppressed tumor growth in vivo with a concomitant reduction in vessel formation. Torin-1 also affected the expression of markers for cell proliferation, angio-/lympho-genesis, and stemness in vivo, including Ki67, DLL1, DLL4, Notch, Lgr5, and CD44. Importantly, Torin-1 did not affect the survival of normal colon stem cells in vivo, suggesting its selectivity towards cancer cells.