
GGTI-298 TFA

产品编号: D51570

CAS: 1217457-86-7

分子式: C₂₉H₃₄F₃N₃O₅S

纯度: ≥98%

InChi: InChI=1S/C27H33N3O3S.C2HF3O2/c1-17(2)13-25(27(32)33)30(3)26(31)23-12-11-20(29-15-19(28)16-34)14-24(23)22-10-6-8-18-7-4-5-9-21(18)22;3-2(4,5)1(6)7/h4-12,14,17,19,25,29,34H,13,15-16,28H2,1-3H3,(H,32,33);(H,6,7)/t19-,25+;/m1./s1

InChi Key: MNGYFSSTNSEPNF-UFABNHQSSA-N

Smiles: CC(C)C[C@@H](C(O)=O)N(C)C(=O)C1C=CC(=CC=1C1=CC=CC2=CC=CC=C21)NC[C@@H](N)CS.
OC(=O)C(F)(F)F

外观: 固体粉末

作用通路: Apoptosis

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: GGTI-298 is a potent geranylgeranyltransferase-I (GGTase-I) inhibitor with potential antitumor activity. GGTI-298 disrupts MAP kinase activation and G(1)-S transition in Ki-Ras-overexpressing transformed adrenocortical cells. GGTI-298 induces hypophosphorylation of retinoblastoma and partner switching of cyclin-dependent kinase inhibitors. A potential mechanism for GGTI-298 antitumor activity. GGTI-298 arrests human tumor cells in G0/G1 and induces p21(WAF1/CIP1/SDI1) in a p53-independent manner. GGTI-298 induces G0-G1 block and apoptosis whereas FTI-277 causes G2-M enrichment in A549 cells.