
Pyridostatin TFA salt

产品编号: D51041

CAS: 1085412-37-8

分子式: C₃₇H₃₅F₉N₈O₁₁

纯度: ≥98%

InChi: InChI=1S/C31H32N8O5.3C2HF3O2/c32-9-12-42-19-15-24(30(40)38-28-17-26(43-13-10-33)20-5-1-3-7-22(20)36-28)35-25(16-19)31(41)39-29-18-27(44-14-11-34)21-6-2-4-8-23(21)37-29;3*3-2(4,5)1(6)7/h1-8,15-18H,9-14,32-34H2,(H,36,38,40)(H,37,39,41);3*(H,6,7)

InChi Key: CYYZQGUDHAKBIQ-UHFFFAOYSA-N

Smiles: NCCOC1C=C(N=C(C=1)C(=O)NC1C=C(OCCN)C2=CC=CC=C2N=1)C(=O)NC1C=C(OCCN)C2=CC=CC=C2N=1.OC(=O)C(F)(F)F.OC(=O)C(F)(F)F.OC(=O)C(F)(F)F

外观: 固体粉末

作用通路: G-quadruplex

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: Pyridostatin stabilizes G-quadruplexes (G4s) in cells and elicits a DNA damage response by causing the formation of DNA double strand breaks (DSB). Pyridostatin promotes growth arrest in human cancer cells by inducing replication- and transcription-dependent DNA damage. Pyridostatin targets gene bodies containing clusters of sequences with a propensity for G-quadruplex formation. As a result, pyridostatin modulated the expression of these genes, including the proto-oncogene SRC.