
TAK-960

产品编号: D51297

CAS: 1137868-52-0

分子式: C₂₇H₃₄F₃N₇O₃

纯度: ≥98%

InChi: InChI=1S/C27H34F3N7O3/c1-35-10-8-16(9-11-35)32-24(38)18-12-22(40-3)20(13-19(18)28)33-26-31-14-21-23(34-26)37(17-6-4-5-7-17)15-27(29,30)25(39)36(21)2/h12-14,16-17H,4-11,15H2,1-3H3,(H,32,38)(H,31,33,34)

InChi Key: GWRSATNRNFYMDI-UHFFFAOYSA-N

Smiles: CN1CCC(CC1)NC(=O)C1C=C(OC)C(=CC=1F)NC1=NC2=C(C=N1)N(C)C(=O)C(F)(F)CN2C1CCCC1

外观: 固体粉末

作用通路: Polo-like Kinase (PLK)

溶解性: Soluble in DMSO

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

产品介绍: TAK-960 is a n orally available PLK1 inhibitor with potential antineoplastic activity. Polo-like kinase 1 inhibitor TAK-960 selectively inhibits PLK1, inducing selective G2/M cell-cycle arrest followed by apoptosis in a variety of tumor cells while causing reversible cell-cycle arrest at the G1 and G2 stages without apoptosis in normal cells. PLK1 inhibition may result in the inhibition of proliferation in PLK1-overexpressed tumor cells. PLK1, named after the polo gene of *Drosophila melanogaster*, is a serine/threonine kinase crucial in the regulation of mitosis.