
ML364

产品编号: D51189

CAS: 1991986-30-1

分子式: C₂₄H₁₈F₃N₃O₃S₂

纯度: ≥98%

InChi: InChI=1S/C₂₄H₁₈F₃N₃O₃S₂/c1-15-7-10-18(11-8-15)35(32,33)30-20-13-17(24(25,26)27)9-12-19(20)22(31)29-23-28-21(14-34-23)16-5-3-2-4-6-16/h2-14,30H,1H3,(H,28,29,31)

InChi Key: QZUGMNXETPARLI-UHFFFAOYSA-N

Smiles: CC1C=CC(=CC=1)S(=O)(=O)NC1C=C(C=CC=1C(=O)NC1=NC(=CS1)C1=CC=CC=C1)C(F)(F)F

外观: 固体粉末

作用通路: Deubiquitinase

溶解性: Soluble in DMSO

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

产品介绍: ML364 is a small molecule inhibitor of the deubiquitinase USP2 with potential anticancer activity. ML364 has an IC₅₀ of 1.1 μm in a biochemical assay using an internally quenched fluorescent di-ubiquitin substrate. Direct binding of ML364 to USP2 was demonstrated using microscale thermophoresis. ML364 induced an increase in cellular cyclin D1 degradation and caused cell cycle arrest as shown in Western blottings and flow cytometry assays utilizing both Mino and HCT116 cancer cell lines.