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## AZD-2281

产品编号: D51124

CAS: 763113-22-0

分子式: C<sub>24</sub>H<sub>23</sub>FN<sub>4</sub>O<sub>3</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>24</sub>H<sub>23</sub>FN<sub>4</sub>O<sub>3</sub>/c25-20-8-5-15(14-21-17-3-1-2-4-18(17)22(30)27-26-21)13-19(20)24(32)29-11-9-28(10-12-29)23(31)16-6-7-16/h1-5,8,13,16H,6-7,9-12,14H<sub>2</sub>, (H,27,30)

InChi Key: FDLYAMZZIXQODN-UHFFFAOYSA-N

Smiles: O=C(C1CC1)N1CCN(CC1)C(=O)C1C=C(CC2=NNC(=O)C3=CC=CC=C23)C=CC=1F

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: AZD-2281, also known as Olaparib or KU-59436, is a small molecule inhibitor of the nuclear enzyme poly(ADP-ribose) polymerase (PARP) with potential chemosensitizing, radiosensitizing, and antineoplastic activities. AZD-2281 selectively binds to and inhibits PARP, inhibiting PARP-mediated repair of single strand DNA breaks; PARP inhibition may enhance the cytotoxicity of DNA-damaging agents and may reverse tumor cell chemoresistance and radioresistance. PARP catalyzes post-translational ADP-ribosylation of nuclear proteins and can be activated by single-stranded DNA breaks. AZD-2281 was approved in 2014 for treating advanced ovarian cancer.