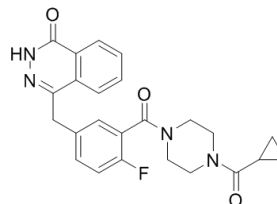


Product Name	: Olaparib
Synonyms	: AZD2281; KU-0059436; KU0059436;; AZD 2281
Cat No.	: M15896
CAS Number	: 763113-22-0
Molecular Formula	: C ₂₄ H ₂₃ FN ₄ O ₃
Formula Weight	: 434.46
Chemical Name	: 1(2H)-Phthalazinone, 4-[[3-[[4-(cyclopropylcarbonyl)-1-piperazinyl]carbonyl]-4-fluorophenyl]methyl]-
Description	: A potent, specific, and orally active PARP inhibitor with IC ₅₀ of 5 and 1 nM for PARP1 and PARP2, respectively; displays 300-fold selectivity over tankyrase (TNKS-1 IC ₅₀ =1.5 uM); shows standalone activity against BRCA1-deficient breast cancer cell lines; regresses autochthonous Brca2/p53-mutant mammary tumors in vivo and delays tumor relapse in combination with carboplatin. Ovarian Cancer Approved
Pathway	: Cell Cycle/DNA Damage
Target	: PARP
Receptor	: PARP1; PARP2
Solubility	: DMSO: 29 mg/mL
SMILES	: O=C1NN=C(CC2=CC=C(F)C(C(N3CCN(C(C4CC4)=O)CC3)=O)=C2)C5=C1C=CC=C5
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Menear KA, et al. J Med Chem. 2008 Oct 23;51(20):6581-91. | 2. Evers B, et al. Clin Cancer Res. 2008 Jun 15;14(12):3916-25. | 3. Rottenberg S, et al. Proc Natl Acad Sci U S A. 2008 Nov 4;105(44):17079-84. | 4. Hay T, et al. Cancer Res. 2009 May 1;69(9):3850-5.