Olaparib

**ALTERNATE NAME:** 4-(3-(4-(cyclopropylcarbonyl)piperazine-1-carbonyl)-4-fluorobenzyl)phthalazine-1(2H)-one; ADZ-2281; KU-59436

**CATALOG #:** 1952-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

![Structure diagram]

**MOLECULAR FORMULA:** C_{24}H_{23}FN_4O_3

**MOLECULAR WEIGHT:** 434.46

**CAS NUMBER:** 763113-22-0

**APPEARANCE:** White to Off-white solid

**SOLUBILITY:** DMSO (~33 mg/ml) or EtOH (~ 1.7 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from light

**DESCRIPTION:** Cell-permeable. A highly potent and selective PARP-inhibitor with IC_{50} values of 5 nM and 1 nM for PARP-1 and PARP-2, respectively. Olaparib displays standalone activity in BRCA-1 deficient breast cancer cells.


**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.