



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## AZD2281 (Olaparib)

**Catalog #:** 27003

**Lot #:** 111118

**Size:** 10 mg

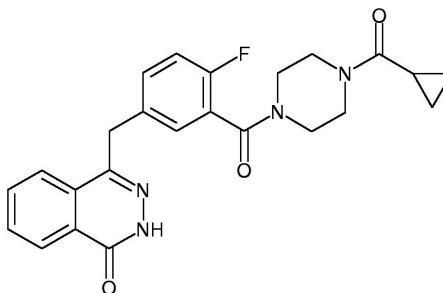
**Structure:**

**CAS Registry #:** 763113-22-0

**Purity:**  $\geq 95\%$

**Chemical Formula:** C<sub>24</sub>H<sub>23</sub>FN<sub>4</sub>O<sub>3</sub>

**Molecular Weight:** 434.46

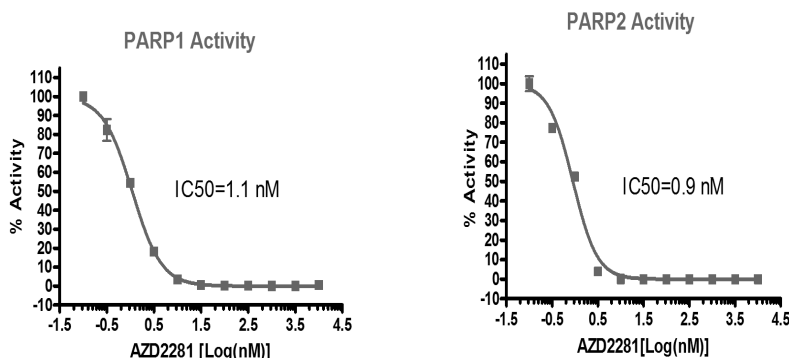


**Description:** Olaparib is a poly(ADP-ribose) polymerase 1 (PARP1) inhibitor and an anti-cancer drug being tested in patients with mutations in the genes BRCA1 or BRCA2.

**Appearance:** White to off-white crystalline solid; granular or powder.

**Solubility:** Soluble in DMSO at 33 mg/mL; soluble in ethanol at 1.7 mg/mL with slight warming; very poorly soluble in water; maximum solubility in plain water is estimated to be about 10-20  $\mu$ M buffers, serum, or other additives may increase or decrease the aqueous solubility.

**Biological Activity:** Olaparib (AZD2281) is a potent PARP inhibitor with IC<sub>50</sub> of 1.1 nM for PARP1 using the BPS Bioscience PARP1 Assay Kit (Cat. # 80551). It inhibits PARP2 with IC<sub>50</sub> = 0.9 nM for using the BPS Bioscience PARP2 Assay Kit (Cat. # 80552).



**Storage/Stability:** Store at or below -20 °C.

**Quality Control:** The purity was determined by HPLC.

### References:

1. De Murcia, J., *et al.*, *Proc. Natl. Acad. Sci. USA* **94**: 7303 – 7307 (1997).
2. Bryant, H.E., *et al.*, *Nature* **434**: 913 – 915 (2005).
3. Farmer, H., *et al.*, *Nature* **434**: 917 – 921 (2005).