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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AZD2281 (Olaparib)

Catalog #: 27003

Lot #: 220623

Size: 250 mg

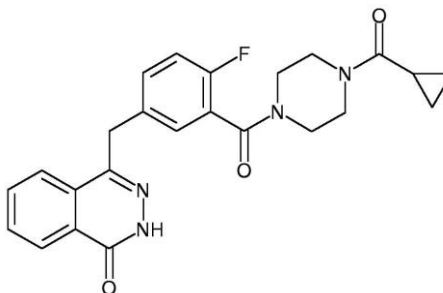
Structure:

CAS Registry #: 763113-22-0

Purity: ≥ 99%

Chemical Formula: C₂₄H₂₃FN₄O₃

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 µM buffers, serum, or other additives may increase or decrease the aqueous solubility.

Biological Activity: Olaparib (AZD2281) is a potent PARP inhibitor with IC₅₀ of 1.1 nM for PARP1 using the BPS Bioscience PARP1 Assay Kit (Cat. # 80551). It inhibits PARP2 with IC₅₀ = 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).