



Product Information

PARP inhibitor AZD-2461, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ237

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD24386811

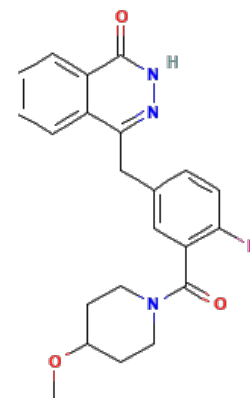
CAS Number: 1174043-16-3

Compound CID: 44199317

Synonym: 1174043-16-3; AZD2461; 3K288XF5XJ; AZD-2461;

4-(4-Fluoro-3-(4-methoxypiperidine-1-carbonyl)benzyl)phthalazin-1(2H)-one; PARP inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AZD-2461, soluble in DMSO and ethanol and insoluble in water, binds to the PARP enzyme's active site, preventing it from repairing single-strand DNA breaks. It targets PARP.
Molecular Weight	395.43
Molecular Formula	C ₂₂ H ₂₂ FN ₃ O ₃
Targets	PARP
IUPAC Name	4-[[4-Fluoro-3-(4-methoxypiperidine-1-carbonyl)phenyl]methyl]-2H-phthalazin-1-one
InChI	InChI=1S/C22H22FN3O3/c1-29-15-8-10-26(11-9-15)22(28)18-12-14(6-7-19(18)23)13-20-16-4-2-3-5-17(16)21(27)25-24-20/h2-7,12,15H,8-11,13H2,1H3,(H,25,27)
InChI Key	HYNBNUYQTQIHJK-UHFFFAOYSA-N
Canonical SMILES	COC1CCN(CC1)C(=O)C2=C(C=CC(=C2)CC3=NNC(=O)C4=CC=CC=C43)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 73 mg/mL (184.61 mM); Water: Insoluble; Ethanol: 29 mg/mL (73.33 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AZD-2461 can be used to study its role as a PARP inhibitor in cancer therapy.
Storage	Store at -20°C.



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