



Product Information

PARP inhibitor BMN673, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ241

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

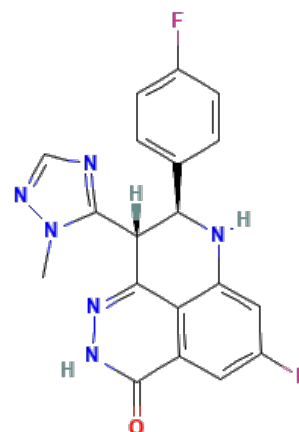
MDL: MFCD22666357

CAS Number: 1207456-01-6

Compound CID: 135565082

Synonym: 1207456-01-6; Talazoparib; BMN-673; BMN 673; BMN673; Talazoparib (BMN 673); Talzenna; PARP inhibitor

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



Product Information

Description	BMN673, soluble in warmed DMSO and insoluble in water and ethanol, binds to the PARP enzyme's active site, preventing it from repairing single-strand DNA breaks. It targets PARP.
Molecular Weight	380.35
Molecular Formula	C ₁₉ H ₁₄ F ₂ N ₆ O
Targets	PARP: 0.58 nM
IUPAC Name	(11 <i>S</i> ,12 <i>R</i>)-7-Fluoro-11-(4-fluorophenyl)-12-(2-methyl-1,2,4-triazol-3-yl)-2,3,10-triazatricyclo[7.3.1.0.5]tridec-11-en-4-one
InChI	InChI=1S/C19H14F2N6O/c1-27-18(22-8-23-27)15-16(9-2-4-10(20)5-3-9)24-13-7-11(21)6-12-14(13)17(15)25-26-19(12)28/h2-8,15-16,24H,1H3,(H,26,28)/t15-,16-/m1/s1
InChI Key	HWGQMRYQVZSGDQ-HZPDHXFCSA-N
Canonical SMILES	CN1C(=NC=N1)C2C(NC3=CC(=CC4=C3C2=NNC4=O)F)C5=CC=C(C=C5)F
Isomeric SMILES	CN1C(=NC=N1)[C@@H]2[C@H](NC3=CC(=CC4=C3C2=NNC4=O)F)C5=CC=C(C=C5)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 38 mg/mL (99.9 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	BMN673 can be used to investigate its effects as a potent PARP inhibitor.



Storage

Store at -20°C.
