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## Product Datasheet

### Talazoparib FBM-10-5461

Article Name	Talazoparib
Biozol Catalog Number	FBM-10-5461
Supplier Catalog Number	10-5461
Alternative Catalog Number	FBM-10-5461-5MG,FBM-10-5461-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PARP inhibitor...
Molecular Weight	380.36
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1207456-01-6]
Formula	C19H14F2N6O
Application Notes	<p>Talazoparib (1207456-01-6) is a PARP1/2 (poly ADP ribose polymerase) inhibitor with higher potency than olaparib (IC50 = 0.6 and 1-5 nM, respectively).<sup>1,2</sup> Because PARP is essential for single-stranded DNA repair (which is used more frequently by tumor cells than normal cells), talazoparib interferes with tumor cell function and division, causing cytotoxic death.<sup>1</sup> Traps PARP where it is bound on DNA, further interfering with cellular replication.<sup>3</sup> However, PARP trapping might also lead to death of normal cells<sup>3</sup>, possibly through induction of DNA damage.<sup>4</sup> Clinically useful for mutant BRCA1/2, HER2-negative breast cancer.<sup>5</sup></p>