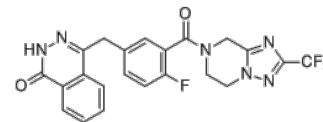


**Product Name** : Fuzuloparib  
**Cat. No.** : PC-36037  
**CAS No.** : 1358715-18-0  
**Molecular Formula** : C<sub>22</sub>H<sub>16</sub>F<sub>4</sub>N<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 472.404  
**Target** : PARP  
**Solubility** : 10 mM in DMSO



## Biological Activity

Fluzoparib (Fuzuloparib, SHR-3162) is a novel, potent and orally available inhibitor of PARP with IC<sub>50</sub> of 1.46 nM (**PARP1**). Fluzoparib (Fuzuloparib, SHR-3162) potently inhibited PARP1 enzyme activity and induced DNA double-strand breaks, G2/M arrest and apoptosis in homologous recombination repair (H)-deficient cells.

Fluzoparib (Fuzuloparib, SHR-3162) preferentially inhibited the proliferation of HR-deficient cells and sensitized both HR-deficient and HR-proficient cells to cytotoxic drugs.

Fluzoparib (Fuzuloparib, SHR-3162) demonstrates superior anti-tumor activity in HR-deficient xenografts models, elicited significantly improved anti-tumor responses without extra toxicity in combination with apatinib or with apatinib plus paclitaxel.

## References

Wang L, et al. *Cancer Sci.* 2019 Jan 21. doi: 10.1111/cas.13947.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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