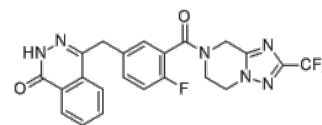


Product Name : Fluzoparib
Cat. No. : PC-36037
CAS No. : 1358715-18-0
Molecular Formula : C₂₂H₁₆F₄N₆O₂
Molecular Weight : 472.404
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

Fluzoparib (Fuzuloparib, SHR-3162) is a novel, potent and orally available inhibitor of **PARP** with IC₅₀ 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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