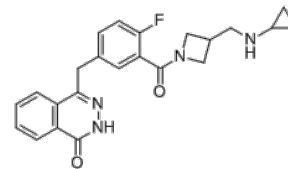


Product Name : Venadaparib
Cat. No. : PC-38102
CAS No. : 1681017-83-3
Molecular Formula : C₂₃H₂₃FN₄O₂
Molecular Weight : 406.461
Target : PARP
Solubility : 10 mM in DMSO



1. Myongjae Lee, et al. Abstract A106:
Development of IDX-1197, a novel, selective, and
highly potent PARP inhibitor. American Association
for Cancer Research, 2018.

Biological Activity

Venadaparib (IDX-1197) is a potent, selective **PARP** inhibitor with IC₅₀ of 1.4 nM and 1.0 nM for PARP1 and PARP2, respectively.

IDX-1197 does not inhibit PARP5A (Tankyrase-1, IC₅₀>10 μM), which belongs to the PARP family.

IDX-1197 significantly inhibited PARP1-mediated PAR expression in DNA damage-induced Hela cells.

IDX-1197 exhibits potent tumor growth inhibition in germline BRCA1-mutated ovarian cancer PDX model.

IDX-1197 shows improved antitumor activity against breast cancer PDX models, which included both germline BRCA-mutated and non-germline BRCA-mutated models, compared with olaparib and/or niraparib.

References

