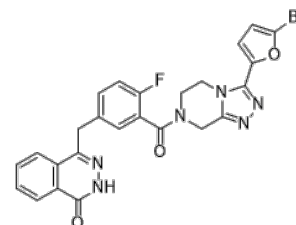


Product Name : YCH1899
Cat. No. : PC-27879
CAS No. : 3032451-66-1
Molecular Formula : C₂₅H₁₈BrFN₆O₃
Molecular Weight : 549.35
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

YCH1899 is a potent, new-generation antiresistant PARP inhibitor with IC₅₀ of <0.001 nM for PARP1/2, exhibits antiproliferation activity against olaparib- and talazoparib-resistant cells with IC₅₀ of 0.89 and 1.13 nM, respectively. YCH1899 retained sensitivity in drug-resistant cells with BRCA1/2 restoration or 53BP1 loss. YCH1899 showed prominent dose-dependent antitumor activity in olaparib- and talazoparib-resistant cell-derived xenograft models. YCH1899 activates type I interferon signaling and synergizes with STING agonists in BRCA-proficient tumors.

References

Sun Y, et al. J Med Chem. 2023 Sep 14;66(17):12284-12303.
Jia L, et al. Mol Biomed. 2026 Aug 26;7(1):151.

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

E-mail: tech@probechem.com