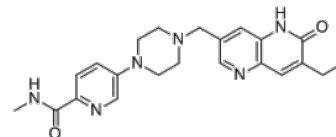


Product Name : AZD5305
Cat. No. : PC-72405
CAS No. : 2589531-76-8
Molecular Formula : C₂₂H₂₆N₆O₂
Molecular Weight : 406.49
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

AZD5305 (AZD-5305) is a potent, selective, orally active **PARP1** inhibitor (IC₅₀=3 nM) and PARP1-DNA trapper. AZD5305 is highly selective for PARP1 over other PARP family members (PARP2 IC₅₀=1.4 μM), with good secondary pharmacology and physicochemical properties and excellent pharmacokinetics in preclinical species. AZD5305 reduced effects on human bone marrow progenitor cells in vitro, showed excellent in vivo efficacy in a BRCA mutant HBCx-17 PDX model.

References

Jeffrey W Johannes, et al. *J Med Chem*. 2021 Oct 14;64(19):14498-14512.

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

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