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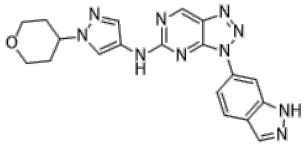
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Mefuparib
Cat. No.	:	PC-25001
CAS No.	:	1392502-82-7
Molecular Formula	:	$C_{17}H_{15}FN_2O_2$
Molecular Weight	:	298.32
Target	:	PARP
Solubility	:	10 mM in DMSO



Biological Activity

Mefuparib (CVL218) is a potent, highly selective, competitive PARP1/2 inhibitor with IC50 of 3.2/1.9 nM, respectively.
Mefuparib displays >406-fold over other major nuclear PARPs including PARP3, TNKS1, TNKS2 and PARP6.
Mefuparib reduces poly(ADP-ribose) formation, enhances γH2AX levels, induces G2/M arrest and subsequent apoptosis in homologous recombination repair (HR)-deficient cells.
Mefuparib shows potent in vitro and in vivo proliferation and growth inhibition against HR-deficient cancer cells and synergistic sensitization of HR-proficient xenografts to the anticancer drug temozolomide.

References

He JX, et al. Oncotarget. 2017 Jan 17;8(3):4156-4168.

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

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