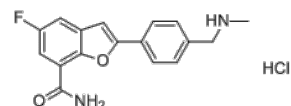


Product Name : Mefuparib hydrochloride
Cat. No. : PC-61949
CAS No. : 1449746-00-2
Molecular Formula : C₁₇H₁₆ClFN₂O₂
Molecular Weight : 334.775
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

Mefuparib hydrochloride (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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