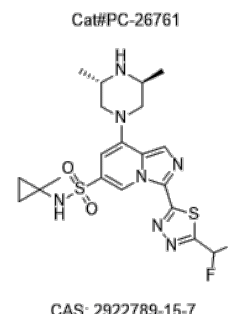


Product Name : FORX-428
Cat. No. : PC-26761
CAS No. : 2922789-15-7
Molecular Formula : C₂₀H₂₅F₂N₇O₂S₂
Molecular Weight : 497.58
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

FORX-428 (FORX428) is a highly potent, selective and orally bioavailable **PARP** inhibitor with IC₅₀ of 0.29 nM and 0.25 nM for PARP WT human and PARP WT mouse respectively.

FORX-428 shows high binding affinity to PARP with SPR K_d of 0.09 nM.

FORX-428 shows selective reduction of viability in a panel of cancer cell lines, RMUG-S (ovarian, IC₅₀=0.6 nM), MDA-MB-436 (breast, IC₅₀=19 nM).

FORX-428 induces a dose-dependent accumulation of PAR chains in vivo which constitutes a tractable target engagement biomarker for clinical exploration.

FORX-428 demonstrates compelling anti-tumor efficacy as single agent in several xenograft models (breast & ovarian cancer) with excellent tolerability.

References

Frank Tadashi. Zenke, et al. *Mol Cancer Ther* (2025) 24 (10_Supplement): B022.

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

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