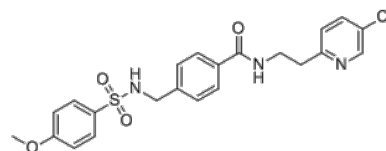


Product Name : YU 238259
Cat. No. : PC-62268
CAS No. : 1943733-16-1
Molecular Formula : C₂₂H₂₂ClN₃O₄S
Molecular Weight : 459.95
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

YU 238259 is a novel **DNA double-strand break repair** inhibitor that exhibits potent synthetic lethality in the setting of DNA damage response and DNA repair defects.

YU 238259 specifically inhibits homology-dependent DNA repair (HDR), but not non-homologous end-joining (NHEJ), in cell-based GFP reporter assays.

YU 238259 significantly delays tumor growth of BRCA2-deficient human tumor xenografts in nude mice.

References

Stachelek GC, et al. *Mol Cancer Res.* 2015 Oct;13(10):1389-97.

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

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