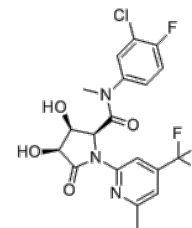


Product Name : ART812
Cat. No. : PC-49362
CAS No. : 2607138-82-7
Molecular Formula : C₁₉H₁₆ClF₄N₃O₄
Molecular Weight : 461.798
Target : DNA/RNA Synthesis
Solubility : 10 mM in DMSO



Biological Activity

ART812 (ART-812) is a selective small molecule DNA polymerase theta (**Polθ**) in vivo probe with IC₅₀ of 7.6 nM, and IC₅₀ of 240 nM for cell based microhomology-mediated end joining (MMEJ).

ART812 recapitulates the phenotype of Polθ loss and is efficacious in a model of PARP inhibitor resistant TNBC in vivo.

References

Martin L Stockley, et al. *J Med Chem*. 2022 Oct 6. doi: 10.1021/acs.jmedchem.2c01142.

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

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