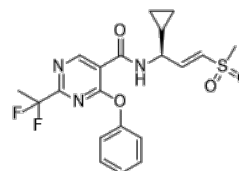


Product Name : VVD-133214
Cat. No. : PC-22121
CAS No. : 3026500-20-6
Molecular Formula : C₂₀H₂₁F₂N₃O₄S
Molecular Weight : 437.46
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



CAS: 3026500-20-6

Biological Activity

VVD-133214 (VVD214, RO7589831) is a potent, selective, covalent allosteric inhibitor of **WRN helicase**, covalently engages cysteine 727 of WRN in a nucleotide cooperative manner and inhibits ATP hydrolysis and helicase activity.

VVD-214 treatment causes widespread double-stranded DNA breaks, nuclear swelling, and cell death in MSI-high, but not microsatellite stable cells.

VVD-214 exhibits robust tumor regression in multiple MSI-high colorectal cancer cell lines and patient derived xenograft models, including models derived from patients progressing on immune checkpoint therapies.

References

- Shota Kikuchi, et al. *Cancer Res* (2024) 84 (7_Supplement): ND11.
- Baltgalvis KA, et al. *Nature*. 2024 Apr 24. doi: 10.1038/s41586-024-07318-y.

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

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