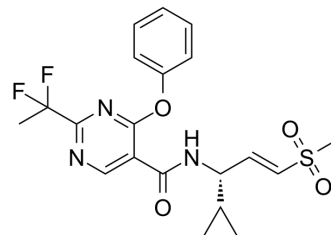


## VVD-214

Cat. No.:	HY-158116
CAS No.:	3026500-20-6
Molecular Formula:	C <sub>20</sub> H <sub>21</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	437.46
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

VVD-214 is a synthetic lethal allosteric inhibitor of WRN helicase. VVD-214 covalently binds to cysteine 727 of WRN and inhibits ATP hydrolysis and helicase activity. VVD-214 is potent in causing double-stranded DNA breaks, nuclear swelling, and cell death in high microsatellite instability (MSI) cancers<sup>[1]</sup>.

## REFERENCES

[1]. Kikuchi S, et al. Abstract ND11: Chemoproteomic-enabled discovery of VVD-214, a synthetic lethal allosteric inhibitor of WRN helicase[J]. Cancer Research, 2024, 84(7\_Supplement): ND11-ND11.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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