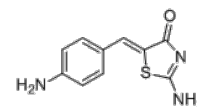


Product Name : PFM39
Cat. No. : PC-61925
CAS No. : 1310744-67-2
Molecular Formula : C₁₀H₉N₃OS
Molecular Weight : 219.262
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

PFM39 (SML1839) is a small molecule that specifically inhibits exonuclease activity of **MRE11**, binds in the active site similar to mirin, inhibits dsDNA end resection in A549 cells with IC₅₀ of 50-75 μM, inhibits HR without significantly increasing NHEJ.

References

- Shibata A, et al. *Mol Cell*. 2014 Jan 9;53(1):7-18.
Hengel SR, et al. *Cell Chem Biol*. 2017 Sep 21;24(9):1101-1119.

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

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