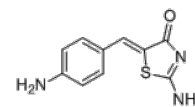


**Product Name** : PFM39  
**Cat. No.** : PC-61925  
**CAS No.** : 1310744-67-2  
**Molecular Formula** : C<sub>10</sub>H<sub>9</sub>N<sub>3</sub>OS  
**Molecular Weight** : 219.262  
**Target** : DNA Repair Protein  
**Solubility** : 10 mM in DMSO



### 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 IC<sub>50</sub> 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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