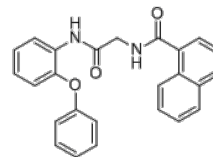


**Product Name** : AOH1160  
**Cat. No.** : PC-35301  
**CAS No.** : 2089314-57-6  
**Molecular Formula** : C<sub>25</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 396.446  
**Target** : DNA Repair Protein  
**Solubility** : 10 mM in DMSO



### Biological Activity

AOH1160 (AOH-1160) is a potent, first-in-class, orally available small molecule inhibitor of **Proliferating cell nuclear antigen (PCNA)**.

AOH1160 selectively kills many types of cancer cells at below micromolar concentrations (mean GI<sub>50</sub>=330 nM) without causing significant toxicity to a broad range of non-malignant cells, interferes with DNA replication, blocks homologous recombination-mediated DNA repair, and causes cell cycle arrest.

AOH1160 suppresses tumor growth without causing significant side effects in mice, demonstrates the potential as a broad-spectrum therapeutic agent for cancer treatment.

### References

Gu L, et al. *Clin Cancer Res*. The anti-cancer activity of a first-in-class small molecule targeting PCNA. 2018 Jul 2. pii: clincanres.0592.2018.

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

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