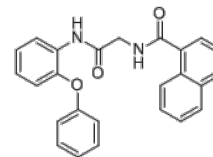


Product Name : AOH1160
Cat. No. : PC-35301
CAS No. : 2089314-57-6
Molecular Formula : C₂₅H₂₀N₂O₃
Molecular Weight : 396.446
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



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 GI₅₀=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!

E-mail: tech@probechem.com