

Product Datasheet

AOH1160

Catalog No. **BP-02411** · CAS **2089314-57-6** · Form **free base** · Physical state **solid** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-10**

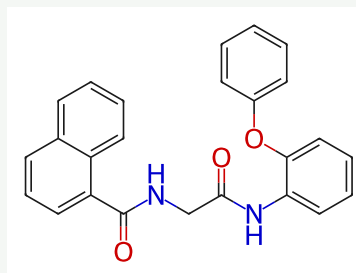
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Target DNA/RNA Synthesis; Apoptosis	Research area Cancer
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Molecular formula **C₂₅H₂₀N₂O₃**

Molecular weight **396.4379**

STRUCTURE



DESCRIPTION

AOH1160 is a potent oral small molecule proliferating cell nuclear antigen (PCNA) inhibitor that interferes with DNA replication, blocks homologous recombination-mediated DNA repair, leads to cell cycle arrest and induces apoptosis.

BIOLOGICAL ACTIVITY

In Vitro

AOH1160 (500 nM, 48 h) can lead to tumor cell cycle arrest and induce tumor cell apoptosis.

In Vivo

AOH1160 (40 mg/kg, gavage once a day) can inhibit the growth of breast cancer and small cell lung cancer in mice.

SOLUBILITY

Soluble in DMSO : 100 mg/mL

REFERENCES

[1].Gu L, et al. The Anticancer Activity of a First-in-class Small-molecule Targeting PCNA. Clin Cancer Res. 2018 Dec 1;24(23):6053-6065.

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