

Product Name : AOH1160

Synonyms : AOH-1160;AOH 1160

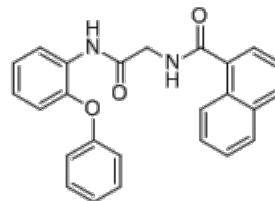
Cat No. : M13268

CAS Number : 2089314-57-6

Molecular Formula : C₂₅H₂₀N₂O₃

Formula Weight : 396.45

Chemical Name : N-(2-oxo-2-((2-phenoxyphenyl)amino)ethyl)-1-naphthamide



Description : AOH1160 (AOH-1160) is a potent, first-in-class, orally available small molecule inhibitor of Proliferating cell nuclear antigen (PCNA); 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; suppresses tumor growth without causing significant side effects in mice, demonstrates the potential as a broad-spectrum therapeutic agent for cancer treatment.

Pathway : Cell Cycle/DNA Damage

Target : DNA Repair Protein

Receptor : DNA Repair Protein

Solubility : —

SMILES : C1=CC=C(C(=C1)OC2=CC=CC=C2NC(=O)CNC(=O)C3=CC=CC4=CC=CC=C43

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. 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.