

AOH1160

Chemical Properties

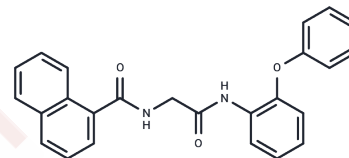
CAS No. : 2089314-57-6

Formula: C₂₅H₂₀N₂O₃

Molecular Weight: 396.44

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	AOH1160 is an inhibitor of proliferating cell nuclear antigen (PCNA). AOH1160 induces apoptosis and causes cell-cycle arrest by interfering with DNA replication.
Targets(IC50)	Apoptosis,DNA/RNA Synthesis
In vitro	AOH1160 selectively kills many types of cancer cells with mean GI50 of 330 nM and does not cause toxicity to nonmalignant cells[1].

Solubility Information

Solubility	DMSO: 45 mg/mL (113.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5224 mL	12.6122 mL	25.2245 mL
5 mM	0.5045 mL	2.5224 mL	5.0449 mL
10 mM	0.2522 mL	1.2612 mL	2.5224 mL
50 mM	0.0504 mL	0.2522 mL	0.5045 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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