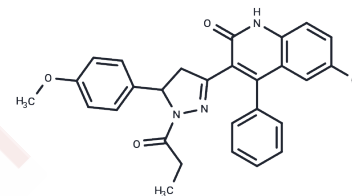


CAY10760

Chemical Properties

CAS No. : 391889-85-3
 Formula: C₂₈H₂₄ClN₃O₃
 Molecular Weight: 485.96
 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	CAY10760 is a novel RAD51-BRCA2 protein-protein interaction inhibitor (EC ₅₀ = 19 μM) that interferes with the homologous recombination process.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMF: 11 mg/mL (22.64 mM), Sonication is recommended. DMF:PBS (pH 7.2) (1:2): 0.3 mg/mL (0.62 mM), Sonication is recommended. DMSO: 40 mg/mL (82.31 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	2.0578 mL	10.2889 mL	20.5778 mL
5 mM	0.4116 mL	2.0578 mL	4.1156 mL
10 mM	0.2058 mL	1.0289 mL	2.0578 mL
50 mM	0.0412 mL	0.2058 mL	0.4116 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

Bagnolini G, et al. Synthetic Lethality in Pancreatic Cancer: Discovery of a New RAD51-BRCA2 Small Molecule Disruptor That Inhibits Homologous Recombination and Synergizes with Olaparib. J Med Chem. 2020 Mar 12;63(5): 2588-2619.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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