

TOPOI/PARP-1-IN-2

Chemical Properties

CAS No. :

Formula: C₁₆H₁₁ClN₄O₂S

Molecular Weight: 358.80

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	TOPOI/PARP-1-IN-2 (compound 6c) serves as a dual inhibitor targeting both PARP-1 and topoisomerase 1 (TOPO-1), with IC ₅₀ values of 32.2 nM and 46.2 nM, respectively. This compound exhibits greater selectivity for PARP-1 over PARP-2. Additionally, TOPOI/PARP-1-IN-2 disrupts the S phase of the cell cycle and induces apoptosis in the NCI-60 cancer cell lines.
Targets(IC ₅₀)	Apoptosis,PARP,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7871 mL	13.9353 mL	27.8707 mL
5 mM	0.5574 mL	2.7871 mL	5.5741 mL
10 mM	0.2787 mL	1.3935 mL	2.7871 mL
50 mM	0.0557 mL	0.2787 mL	0.5574 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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