

PARP1-IN-27

Chemical Properties

CAS No. :

Formula: C17H12FNO4

Molecular Weight: 313.28

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	PARP1-IN-27 (Compound 9B) serves as an inhibitor of both PARP1 and PARP2, exhibiting IC 50 values of 2.53 nM and 6.45 nM, respectively, in SUM149PT cells. This compound effectively suppresses the proliferation of BRCA-mutated cancer cell lines such as SUM149PT, HCC1937, and Capan-1, with respective IC 50 values of 0.62, 1.91, and 4.26 μ M. Additionally, PARP1-IN-27 exacerbates DNA double-strand breaks, enhances ROS production, causes G2/M phase cell cycle arrest, and triggers apoptosis in SUM149PT cells.
Targets(IC50)	Apoptosis,Reactive Oxygen Species,PARP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.192 mL	15.9602 mL	31.9203 mL
5 mM	0.6384 mL	3.192 mL	6.3841 mL
10 mM	0.3192 mL	1.596 mL	3.192 mL
50 mM	0.0638 mL	0.3192 mL	0.6384 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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