

VEGFR/PARP-IN-1

Chemical Properties

CAS No. :

Formula: C₂₉H₂₇N₉O

Molecular Weight: 517.58

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	VEGFR/PARP-IN-1 (Compound 14b) is a dual inhibitor of VEGFR and PARP with IC ₅₀ values of 191 nM and 60.9 nM, respectively. It impairs DNA damage repair pathways, promotes apoptosis, and halts cells in the G ₂ /M phase. This compound demonstrates considerable antiproliferative activity against BRCA wild-type breast cancer cells, with IC ₅₀ values of 4.1 μM for MDA-MB-231 cells and 3.5 μM for MCF-7 cells, indicating its potential as an antitumor and anti-metastasis agent [1].
Targets(IC ₅₀)	Apoptosis,PARP,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9321 mL	9.6603 mL	19.3207 mL
5 mM	0.3864 mL	1.9321 mL	3.8641 mL
10 mM	0.1932 mL	0.966 mL	1.9321 mL
50 mM	0.0386 mL	0.1932 mL	0.3864 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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