

PARP-1-IN-13

Chemical Properties

CAS No. :

Formula: C₂₀H₁₇N₅O₂S

Molecular Weight: 391.45

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	PARP-1-IN-13 (Compound 19c) is a potent PARP-1 inhibitor with an IC ₅₀ of 26 nM, hindering DNA single-strand break repair and exacerbating double-strand breaks, leading to apoptosis in cancer cells via the mitochondrial pathway [1].
Targets(IC ₅₀)	PARP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5546 mL	12.773 mL	25.546 mL
5 mM	0.5109 mL	2.5546 mL	5.1092 mL
10 mM	0.2555 mL	1.2773 mL	2.5546 mL
50 mM	0.0511 mL	0.2555 mL	0.5109 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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