

PRDX1-IN-3

Chemical Properties

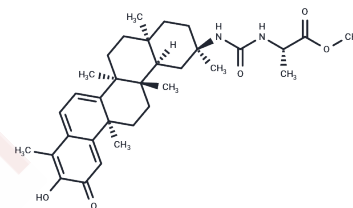
CAS No. : 2566976-46-1

Formula: C33H46N2O5

Molecular Weight: 550.73

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	PRDX1-IN-3 (SOMCL-19-048) is a PRDX1 covalent inhibitor with anti-colorectal cancer activity. PRDX1-IN-3 can effectively inhibit the proliferation of colorectal cancer cells and significantly reduce the anti-tumor effect on colorectal cancer nude mice carrying PRDX1 gene knockout. PRDX1-IN-3 can also upregulate downstream genes of the p53 signaling pathway and exert anti-cancer effects.
Targets(IC50)	Reactive Oxygen Species,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8158 mL	9.0789 mL	18.1577 mL
5 mM	0.3632 mL	1.8158 mL	3.6315 mL
10 mM	0.1816 mL	0.9079 mL	1.8158 mL
50 mM	0.0363 mL	0.1816 mL	0.3632 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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