

SDOX

Chemical Properties

CAS No. :	2921601-78-5
Formula:	C69H97NO20S2
Molecular Weight:	1324.63
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	SDOX, a Doxorubicin (DOX) prodrug, selectively releases the active agent, DOX, in tumor cells with elevated glutathione (GSH) levels, thereby reducing inadvertent adverse effects on healthy tissues while maintaining therapeutic efficacy [1].
Targets(IC50)	Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7549 mL	3.7746 mL	7.5493 mL
5 mM	0.151 mL	0.7549 mL	1.5099 mL
10 mM	0.0755 mL	0.3775 mL	0.7549 mL
50 mM	0.0151 mL	0.0755 mL	0.151 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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