Data Sheet (Cat.No.T73421)



CPT-Se3

Chemical Propert	ies
CAS No. :	2968315-02-6
Formula:	C24H20N2O6Se2
Molecular Weight:	590.35 e
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year $\frac{3}{3e} \sum^{\circ}$

Biological Description

Description	CPT-Se3, a camptothecin (CPT) seleno-derivative, exhibits enhanced anticancer efficacy by effectively killing cancer cells and hindering tumor proliferation. This compound diminishes the GSH/GSSG ratio and total thiols while increasing ROS levels, ultimately triggering apoptosis in Hep G2 cells. Furthermore, CPT-Se3 demonstrates significant cytotoxicity against HeLa, Hep G2, A549, and SMMC-7721 cell lines with IC50 values ranging from 2.19 to 4.7 μ M [1].
Targets(IC50)	Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.6939 mL	8.4696 mL	16.9391 mL	
5 mM	0.3388 mL	1.6939 mL	3.3878 mL	
10 mM	0.1694 mL	0.847 mL	1.6939 mL	
50 mM	0.0339 mL	0.1694 mL	0.3388 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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