

## TDK-HCPT

## Chemical Properties

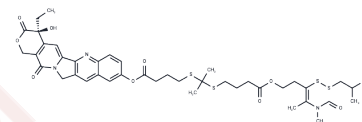
CAS No. :

Formula: C42H53N3O9S4

Molecular Weight: 872.145

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	TDK-HCPT is a small molecule conjugate that links glutathione-sensitive thiamine disulfide with the chemotherapeutic agent 10-hydroxycamptothecin through a thioacetal bond. It targets tumor cells and prolongs the retention of the chemotherapeutic drug within these cells. TDK-HCPT inhibits tumor growth, induces apoptosis (apoptosis) in tumor cells, and exhibits antitumor activity.
Targets(IC50)	Apoptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1466 mL	5.733 mL	11.4659 mL
5 mM	0.2293 mL	1.1466 mL	2.2932 mL
10 mM	0.1147 mL	0.5733 mL	1.1466 mL
50 mM	0.0229 mL	0.1147 mL	0.2293 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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