

Chol-CTPP

Chemical Properties

CAS No. :

Formula: C144H263N3O53

Molecular Weight: 2884.62

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	Chol-CTPP, a ligand with a dual targeting effect on the blood-brain barrier (BBB) and glioma cells, serves as the precursor to Lip-CTPP when combined with another mitochondria-targeting ligand (Chol-TPP). Lip-CTPP emerges as a potential carrier facilitating the collaborative anti-glioma efficacy of doxorubicin (DOX) and lonidamine (LND). It significantly enhances the inhibition of tumor cell proliferation, migration, and invasion, promotes apoptosis and necrosis, and disrupts mitochondrial function [1].
Targets(IC50)	Apoptosis,Others,Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3467 mL	1.7333 mL	3.4667 mL
5 mM	0.0693 mL	0.3467 mL	0.6933 mL
10 mM	0.0347 mL	0.1733 mL	0.3467 mL
50 mM	0.0069 mL	0.0347 mL	0.0693 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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