

Cholicamide $\beta$ 

## Chemical Properties

CAS No. :

Formula: C<sub>55</sub>H<sub>94</sub>N<sub>2</sub>O<sub>6</sub>

Molecular Weight: 879.34

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	Cholicamide $\beta$ (compound 6), a self-assembling small molecule cancer vaccine adjuvant, forms low cytotoxicity virus-like particles and upon binding to peptide antigens, enhances dendritic cell-mediated antigen presentation and induces antigen-specific T-cell responses, with the ability to induce apoptosis and necrosis [1].
Targets(IC50)	Apoptosis,Necroptosis
In vitro	Cholicamide $\beta$ (compound 6) at concentrations of 4-16 $\mu$ M induces apoptosis and necrosis in RAW264.7 cells over a period of 22 hours [1].
In vivo	Cholicamide $\beta$ (compound 6) administered at 100 $\mu$ g/mouse with evaluation at 16 hours and 21 days post-injection, displayed low toxicity and elevated HA-specific IgG antibody titers [1] in C57BL/6 mice previously immunized with a split influenza vaccine.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1372 mL	5.6861 mL	11.3722 mL
5 mM	0.2274 mL	1.1372 mL	2.2744 mL
10 mM	0.1137 mL	0.5686 mL	1.1372 mL
50 mM	0.0227 mL	0.1137 mL	0.2274 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.

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