

## Cecropin D

## Chemical Properties

CAS No. :	83652-32-8
Formula:	C180H293N55O51
Molecular Weight:	4043.59
Storage:	Keep away from moisture 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	Cecropin D, an antimicrobial peptide, exhibits a minimum inhibitory concentration (MIC) of 4.55 µg/mL and demonstrates efficacy against both Gram-negative and Gram-positive bacteria. Additionally, it possesses antiviral, antifungal, antitumor, and immunomodulatory properties [1] [2].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2473 mL	1.2365 mL	2.473 mL
5 mM	0.0495 mL	0.2473 mL	0.4946 mL
10 mM	0.0247 mL	0.1237 mL	0.2473 mL
50 mM	0.0049 mL	0.0247 mL	0.0495 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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