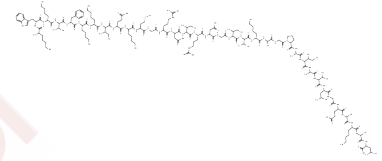


## Cecropin B

## Chemical Properties

CAS No. :	80451-05-4
Formula:	C176H302N52O41S
Molecular Weight:	3834.74
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 B is a small antibacterial peptide from the giant silkworm, <i>Hyalophora cecropia</i> .
Targets(IC50)	Antibacterial, Antibiotic, Cytochromes P450

## Solubility Information

Solubility	H2O: 20 mg/mL (5.22 mM), Sonication and heating are recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2608 mL	1.3039 mL	2.6077 mL
5 mM	0.0522 mL	0.2608 mL	0.5215 mL
10 mM	0.0261 mL	0.1304 mL	0.2608 mL
50 mM	0.0052 mL	0.0261 mL	0.0522 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.

## Reference

Zhou X et al. Cecropin B Represses CYP3A29 Expression through Activation of the TLR2/4-NF- $\kappa$ B/PXR Signaling Pathway. *Sci Rep.* 2016 Jun 14

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481