

Im5

## Chemical Properties

CAS No. :

Formula: C134H222N34O31

Molecular Weight: 2805.41

Keep away from moisture

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	Im5, an antimicrobial peptide, exhibits antibacterial activity, with minimum inhibitory concentrations (MIC) of 10 $\mu$ M for E. coli, 2.5-5 $\mu$ M for S. aureus, and 0.5-1 $\mu$ M for B. subtilis, as well as hemolytic activity with an effective concentration (EC50) of 28 $\mu$ M [1].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3565 mL	1.7823 mL	3.5645 mL
5 mM	0.0713 mL	0.3565 mL	0.7129 mL
10 mM	0.0356 mL	0.1782 mL	0.3565 mL
50 mM	0.0071 mL	0.0356 mL	0.0713 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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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481