

Maximin 45

Chemical Properties

CAS No. :

Formula: C121H208N36O32

Molecular Weight: 2679.17

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	Maximin 45, an antimicrobial peptide, exhibits antibacterial activity against <i>S. aureus</i> , <i>E. coli</i> , and <i>B. subtilis</i> with minimum inhibitory concentrations (MIC) of 4.7, 9.4, and 75 µg/mL, respectively. Additionally, it possesses hemolytic activity against human and rabbit red blood cells [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3732 mL	1.8662 mL	3.7325 mL
5 mM	0.0746 mL	0.3732 mL	0.7465 mL
10 mM	0.0373 mL	0.1866 mL	0.3732 mL
50 mM	0.0075 mL	0.0373 mL	0.0746 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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