

LAH4

## Chemical Properties

CAS No. :

Formula: C132H228N38O27

Molecular Weight: 2779.53

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	The $\alpha$ -helix of the amphipathic peptide antibiotic LAH4 (KKALLALALHHLAHLALHLALALKKA-NH <sub>2</sub> ) strongly interacts with phospholipid membranes, demonstrating in vitro transfection efficiencies comparable to those of commercially available reagents.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3598 mL	1.7989 mL	3.5977 mL
5 mM	0.072 mL	0.3598 mL	0.7195 mL
10 mM	0.036 mL	0.1799 mL	0.3598 mL
50 mM	0.0072 mL	0.036 mL	0.072 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

Perrone B, et al. Lipid interactions of LAH4, a peptide with antimicrobial and nucleic acid transfection activities. Eur Biophys J. 2014 Nov;43(10-11):499-507.

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