

LL-37, acetylated,amidated

## Chemical Properties

CAS No. :

Formula: C207H343N61O53

Molecular Weight: 4534.4

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	This LL-37 peptide is acetylated on the N-terminus and amidated on the C-terminus. It plays a key role in the first line of defense against local infection and systemic invasion of pathogens at sites of inflammation and wounds.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2205 mL	1.1027 mL	2.2054 mL
5 mM	0.0441 mL	0.2205 mL	0.4411 mL
10 mM	0.0221 mL	0.1103 mL	0.2205 mL
50 mM	0.0044 mL	0.0221 mL	0.0441 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

Duplantier AJ, et al. The Human Cathelicidin Antimicrobial Peptide LL-37 as a Potential Treatment for Polymicrobial Infected Wounds. Front Immunol. 2013 Jul 3;4:143.

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