

LL-37, Human

Chemical Properties

CAS No. : 154947-66-7

Formula: C205H340N60O53

Molecular Weight: 4493.26

LLGDFFRKSK EKIGKEFKRI VQRIKDFLRN LVPRTES

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	LL-37, Human is a 37-residue, amphipathic, cathelicidin-derived antimicrobial peptide, which exhibits a broad spectrum of antimicrobial activity.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2226 mL	1.1128 mL	2.2256 mL
5 mM	0.0445 mL	0.2226 mL	0.4451 mL
10 mM	0.0223 mL	0.1113 mL	0.2226 mL
50 mM	0.0045 mL	0.0223 mL	0.0445 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

Dürr UH, et al. LL-37, the only human member of the cathelicidin family of antimicrobial peptides. *Biochim Biophys Acta*. 2006 Sep;1758(9):1408-25.

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