

## LL-37 GKE acetate

## Chemical Properties

CAS No. :

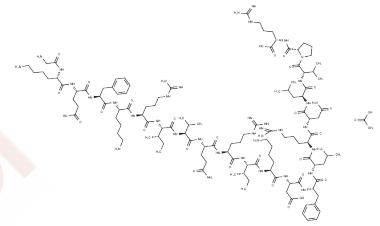
Formula: C121H206N38O30

Molecular Weight: 2673.17

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	LL-37 GKE acetate, a peptide with 21 amino acids and the active structural domain of LL-37, inhibits lps-induced vascular nitric oxide production, is less toxic than LL-37 for hemolysis and apoptosis in human cultured smooth muscle cells, and possesses antimicrobial activity and therapeutic potential for sepsis.
Targets(IC50)	NOD
In vitro	LL-37 GKE acetate, a fragment of LL-37, exhibits broad-spectrum in vitro antimicrobial activity against E. coli, P. aeruginosa, S. aureus, and C. albicans, maintaining effectiveness in 150 mM NaCl and 99% serum. LL-37 GKE acetate also neutralizes LPS-induced nitric oxide production in rat aorta and induces neutrophil chemotaxis. Compared to full-length LL-37, GKE shows lower hemolytic and cytotoxic effects, indicating improved safety[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3741 mL	1.8704 mL	3.7409 mL
5 mM	0.0748 mL	0.3741 mL	0.7482 mL
10 mM	0.0374 mL	0.187 mL	0.3741 mL
50 mM	0.0075 mL	0.0374 mL	0.0748 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

Sigurdardottir T, Andersson P, Davoudi M, Malmsten M, Schmidtchen A, Bodelsson M. In silico identification and biological evaluation of antimicrobial peptides based on human cathelicidin LL-37. *Antimicrob Agents Chemother.* 2006 Sep;50(9):2983-9.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481