

## LL-37 GKE

Cat. No.:	HY-P4747
CAS No.:	913736-92-2
Molecular Formula:	C <sub>119</sub> H <sub>202</sub> N <sub>38</sub> O <sub>28</sub>
Molecular Weight:	2613.11
Sequence:	Gly-Lys-Glu-Phe-Lys-Arg-Ile-Val-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg
Sequence Shortening:	GKEFKRIVQRIKDFLRNLVPR
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	LL-37 GKE is an active domain of LL-37. LL-37 GKE has antibacterial activity and has potential applications in antibiotics <sup>[1][2]</sup> .
-------------	--

### REFERENCES

- [1]. Sigurdardottir T, et al. In silico identification and biological evaluation of antimicrobial peptides based on human cathelicidin LL-37. *Antimicrob Agents Chemother.* 2006 Sep;50(9):2983-9.
- [2]. Ringstad L, et al. Effects of single amino acid substitutions on peptide interaction with lipid membranes and bacteria—variants of GKE21, an internal sequence from human LL-37[J]. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2010, 354(1-3): 65-71.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA