

LL - 37, Antimicrobial Peptide, human

Product Code: 1215-005

Innopep Peptide Product

Price: \$115.00

Short Description

LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES

Description

Overview

Description

Antimicrobial peptide LL-37, belonging to the cathelicidin family, is the first amphipathic alpha-helical peptide isolated from human. It plays an important role in the first line of defense against local infection and systemic invasion of pathogens at sites of inflammation and wounds. Cytotoxic to both bacterial and normal eukaryotic cells, LL-37 is significantly resistant to proteolytic degradation in solution.

Sequence

Sequence (3 Letter)

LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES

H-Leu-Leu-Gly-Asp-Phe-Phe-Arg-Lys-Ser-Lys-Glu-Lys-Ile-Gly-Lys-Glu-Phe-Lys-Arg-Ile-Val-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser-OH

Molecular Weight

4493.3

Properties

Purity

> 95% By HPLC

Storage

Store at -20 °C, cap vial tightly at all times.

References

Dürr, UHN. et al. Biochim. Biophys. Acta 1758, 1408 (2006); Neville, F. et al. Biophys. J. 90, 1275 (2006); Oren, Z. et al. Biochem. J. 341, 501(1999).

