

4445-s LL-37 (Human) Cathelicidin Antimicrobial Peptide

The vial contains exactly **0.11 mg (25 nmol)** of Cathelicidin Antimicrobial Peptide LL-37, which has been lyophilized as an amorphous powder from aqueous solution.

Solution: Do not remove the cap.
Inject **250 µl of distilled water solution** into the vial using a calibrated syringe.
Dissolve all the contents thoroughly.
This procedure furnishes a **0.1 mM** solution of the titled compound.

Storage: (soln.) After preparing 100-200 µl aliquots, freeze them at -20°C or below until use.
The aqueous solution should be used within a few weeks.

Storage: (powder) The undissolved peptide should be stored at -20°C.

Structure: 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
(M.W. 4493.3) $C_{205}H_{340}N_{60}O_{53}$

References:

- 1) G.H. Gudmundsson, *et al.*, *Eur. J. Biochem.*, **238**, 325 (1996). (*Original*)
- 2) R. Bals and J.M. Wilson, *Cell. Mol. Life Sci.*, **60**, 711 (2003). (*Review*)
- 3) M. Zanetti, *J. Leukoc. Biol.*, **75**, 39 (2004). (*Review*)
- 4) R. Lande, *et al.*, *Nature*, **449**, 564 (2007). (*Pharmacol.*)

Cathelicidin Antimicrobial Peptide LL-37 is sold for research purposes only and not for use in humans.

www.peptanova.de/products/Biologically-Active-Peptides/Defensin-and-LL-37/LL-37-Human.html