We are pleased to present our enlarged offer of LL-37-related peptides.

The antimicrobial 37-mer peptide LL-37, the only human member of the cathelicidin family, and its fragments have been extensively studied, as the peptides also show antiviral and angiogenic activities. Recently, LL-37 gained interest in cancer research by showing therapeutic potential. The core sequence of the peptide, residues 12-29, forms an amphiphilic α-helix. The antibacterial activity of LL-37 fragments correlates with their α-helical content.

For our complete range of amino acid derivatives, peptides, and biochemicals please visit shop.bachem.com

**LL-37**

(4042456)

**LL-37 Sequences**

**FK-13** 4099695

FK-13, core sequence of LL-37, is protected from bacterial proteolysis by actin. FK-13 showed activity against HIV-1, EC₅₀ 3.4 μM. As removal of the N-terminal phenylalanine leads to inactivation, FKRIVQRIKDFLR corresponds to the minimal anti-HIV region of human LL-37.


**FKR** 4099697

LL-37 FKR (FK-21), C-terminal fragment of LL-37, showed antimicrobial activity and similar concentration-dependent chemotactic activities on granulocytes as the full-length peptide.


**GKE** 4099696

LL-37 GKE (GK-21) displayed antimicrobial activity against various bacteria that was similar to or even stronger than the activity of full-length LL-37.

Further Cathelicidins

**CRAMP (mouse)**

CRAMP (cathelicidin-related antimicrobial peptide) is expressed in the embryonic and adult mouse. Functional studies showed CRAMP to be a potent antibiotic against Gram-negative bacteria by inhibiting growth of a variety of bacterial strains and by permeabilizing the inner membrane of E.coli directly.


**CRAMP-18 (mouse)**

CRAMP-18 corresponds to the functional region of the antibacterial peptide CRAMP. It displayed potent antibacterial activity against several bacteria with no hemolytic activity (minimal inhibitory concentration: 12.5-50 μM).


**LL-37 RKS**

The antimicrobially active LL-37 fragments RK-31 and KR-20 (H-7876) have been identified as physiological components of human sweat.


**LL-37 SKE**

SK-21 (LL-37 SKE) showed activity against HIV-1.


**KR-12 amide (human)**

KR-12 corresponds to amino acid residues 18-29 of LL-37 and is the smallest peptide of LL-37 retaining antibacterial activity. KR12 displays a selective toxic effect on bacteria but not on human cells. It may be used as a template for developing novel antimicrobial agents of therapeutic use.


**Biotinyl-KR-12 (human)**

In addition to our thousands of catalog peptides, we offer comprehensive custom synthesis services. If the LL-37 peptide you require is not included in this list, please ask for a quote.