

CAP - 18, rabbit

Product Code: 1218-005

Innopep Peptide Product

Price: \$197.00

Short Description

GLRKRLRKFRNKIKEKLKKIGQKIQGLLPKLAPRTDY

Description

Overview

Description

This 37 residue peptide is a very effective antimicrobial agent in rabbits. The CAP-18 cathelicidin-derived peptide kills bacteria by disrupting the bacterial membrane. It has a potential for the treatment of bacterial infections in normal and immunocompromised persons and individuals with cystic fibrosis. In experiments it demonstrates the greatest activity against over 20 clinical strains of *Pseudomonas aeruginosa*. Homologs of CAP18 in other species include humans (FALL39/LL37), mice (mCRAMP), rats (rCRAMP), and sheep (SMAP29 and SMAP34).

Sequence

Sequence (3 Letter)

GLRKRLRKFRNKIKEKLKKIGQKIQGLLPKLAPRTDY
H-Gly-Leu-Arg-Lys-Arg-Leu-Arg-Lys-Phe-Arg-Asn-Lys-Ile-Lys-Glu-Lys-Leu-Lys-Lys-Ile-Gly-Gln-Lys-Ile-Gln-Gly-Leu-Leu-Pro-Lys-Leu-Ala-Pro-Arg-Thr-Asp-Tyr-OH

Molecular Weight

4433.5

Properties

Purity

> 95% By HPLC

Storage

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

References

Travis, S et al. Infect. Immun. 68, 2748 (2000).