

Magainin 1

Product Code: 1211-005

**Innopep
Peptide
Product**

Price: \$86.00

Short Description

GIGKFLHSAGKFGKAFVGEIMKS

Description

Overview

Description

Magainins are peptide antibiotics with antibacterial and antiparasitic activities, originally extracted from the skin of *Xenopus laevis*. Magainin 1 and 2 are closely related peptides of 23 amino acids each and differ by two substitutions. These antimicrobial peptides have broad-spectrum, non-specific activity against a wide range of micro-organisms, including viruses, gram-positive and gram-negative bacteria, protozoa, yeasts and fungi, and may also be hemolytic and cytotoxic to cancer cells. Magainin 1 is a bactericide. Both Magainin 1 and 2 exhibit inhibitory action toward Herpes simplex virus type 1 (HSV-1) and HSV-2.

Sequence

GIGKFLHSAGKFGKAFVGEIMKS

Sequence (3 Letter)

H-Gly-Ile-Gly-Lys-Phe-Leu-His-Ser-Ala-Gly-Lys-Phe-Gly-Lys-Ala-Phe-Val-Gly-Glu-Ile-Met-Lys-Ser-OH

Molecular Weight

2409.9

Properties

Purity

> 95% By HPLC

Storage

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

References

Williams, RW. et al. *Biophysical J.* **53**, 631A (1988); Morvan, A. et al. *Mol. Mar. Biol. Biotechnol.* **3**, 327 (1994); Matanic, A. et al. *Int. J. Antimicrob. Agents* **23**, 382 (2004); Zasloff, M. *Proc. Natl. Acad. Sci.* **84**, 5449 (1987).