

HNP - 1, Defensin Human Neutrophil Peptide - 1

ACYCRIPACIAGERRYGTCTIYQGRLWAFCC

(Disulfide bridge: 2 - 30, 4 - 19, 9 - 29)

Product Code: 3054-0010

**Innopep
Peptide
Product**

Price: \$174.00

Short Description

ACYCRIPACIAGERRYGTCTIYQGRLWAFCC (Disulfide bridge: 2-30, 4-19, 9-29)

Description

Overview

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Mammalian defensins are abundant in the cytoplasmic azurophilic granules of neutrophils, Paneth cells of the small intestine and some macrophages. Human α -defensin-1 (HNP-1) is a peptide possessing both broad antimicrobial (both Gram-positive and Gram-negative bacteria) and cytotoxic activities. HNP-1 reduces adenoviral infection by more than 95%.

Sequence

ACYCRIPACIAGERRYGTCTIYQGRLWAFCC (Disulfide bridge: 2-30, 4-19, 9-29)

Sequence (3 Letter)

H - Ala - Cys - Tyr - Cys - Arg - Ile - Pro - Ala - Cys - Ile - Ala - Gly - Glu - Arg - Arg - Tyr - Gly - Thr - Cys - Ile - Tyr - Gln - Gly - Arg - Leu - Trp - Ala - Phe - Cys - Cys - OH
(Disulfide bridge: 2 - 30, 4 - 19, 9 - 29)

Molecular Weight
Properties

3442.1

Purity	% Peak Area By HPLC ? 95%
Storage	-20 °C

References

Ref: Frick, I. et al. J. Biol. Chem. 278, 16561 (2003); Valore, E. et al. J. Clin. Invest. 97, 1624 (1996); Mizukawa, N. et al. Anticancer Res. 20, 1125 (2000); Bastian, A. and H. Schafer, Regul Pept. 101, 157 (2001).