

## Bactenecin 5

<b>Cat. No.:</b>	HY-P5734
<b>Molecular Formula:</b>	C <sub>255</sub> H <sub>382</sub> N <sub>70</sub> O <sub>45</sub>
<b>Molecular Weight:</b>	5148.2
<b>Sequence:</b>	Arg-Phe-Arg-Pro-Pro-Ile-Arg-Arg-Pro-Pro-Ile-Arg-Pro-Pro-Phe-Tyr-Pro-Pro-Phe-Arg-Pro-Pro-Ile-Arg-Pro-Pro-Ile-Phe-Pro-Pro-Ile-Arg-Pro-Pro-Phe-Arg-Pro-Pro-Leu-Gly-Pro-Phe-Pro
<b>Sequence Shortening:</b>	RFRPPIRRPPIRPPFYPPFRPPIRPPIFPPIRPPFRPPLGPPF
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Bactenecin 5 is a bovine antibacterial peptide. Bactenecin 5 is active against *Escherichia coli*, *Salmonella typhimurium*, and *Klebsiella pneumoniae*. T, with MIC values of 12-25 µg/mL<sup>[1]</sup>.

### REFERENCES

[1]. Gennaro R, et al. Purification, composition, and activity of two bactenecins, antibacterial peptides of bovine neutrophils. *Infect Immun*. 1989 Oct;57(10):3142-6.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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