

Im5

Cat. No.:	HY-P5687
Molecular Formula:	C ₁₃₄ H ₂₂₂ N ₃₄ O ₃₁
Molecular Weight:	2805.41
Sequence:	Phe-Leu-Gly-Ser-Leu-Phe-Ser-Ile-Gly-Ser-Lys-Leu-Leu-Pro-Gly-Val-Ile-Lys-Leu-Phe-Gln-Arg-Lys-Lys-Gln
Sequence Shortening:	FLGSLFSIGSKLLPGVIKLFQRKKQ
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Im5, an antimicrobial peptide, has antibacterial (MIC: 10, 2.5-5, 0.5-1 μM for E. coli, S. aureus, B. subtilis respectively) and hemolytic activity (EC₅₀: 28 μM)^[1].

REFERENCES

[1]. Miyashita M, et al. Complete de novo sequencing of antimicrobial peptides in the venom of the scorpion *Isometrus maculatus*. *Toxicon*. 2017 Dec 1;139:1-12.

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

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