

HG2

Cat. No.:	HY-P5706
Molecular Formula:	C ₁₁₁ H ₁₉₆ N ₂₆ O ₂₃ S ₃
Molecular Weight:	2359.1
Sequence:	Met-Lys-Lys-Leu-Leu-Leu-Ile-Leu-Phe-Cys-Leu-Ala-Leu-Ala-Leu-Ala-Gly-Cys-Lys-Lys-Ala-Pro
Sequence Shortening:	MKKLLLILFCLALALAGCKKAP
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

HG2 is a fast-acting antimicrobial peptide. HG2 shows anti-biofilm and anti-inflammatory activities. HG2 is active against Gram-positive pathogens, especially against MRSA strains (MIC: 16-32 µg/mL). HG2 can bind to bacterial lipids and reduces ATP concentration in *S. aureus* MRSA USA300 cells^[1].

REFERENCES

[1]. Oyama LB, et al. In silico identification of two peptides with antibacterial activity against multidrug-resistant *Staphylococcus aureus*. NPJ Biofilms Microbiomes. 2022 Jul 14;8(1):58.

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

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