

Aurein 3.1

Cat. No.:	HY-P5574
CAS No.:	302343-11-9
Molecular Formula:	C ₈₁ H ₁₃₆ N ₂₂ O ₂₀
Molecular Weight:	1738.08
Sequence:	Gly-Leu-Phe-Asp-Ile-Val-Lys-Lys-Ile-Ala-Gly-His-Ile-Ala-Gly-Ser-Ile-NH ₂
Sequence Shortening:	GLFDIVKKIAGHIAGSI-NH ₂
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Aurein 3.1 is an antibiotic antimicrobial peptide. Aurein 2.6 is active against Gram-positive bacterial (MIC: 80, 50, 50, 50, 50 μM for *M. luteus*, *S. aureus*, *S. epidermis*, *S. mutans*, *B. subtilis*)^{[1][2]}.

REFERENCES

[1]. Rozek T, et al. The antibiotic and anticancer active aurein peptides from the Australian Bell Frogs *Litoria aurea* and *Litoria raniformis* the solution structure of aurein 1.2. *Eur J Biochem.* 2000 Sep;267(17):5330-41.

[2]. Dennison SR, et al. PEGylation enhances the antibacterial and therapeutic potential of amphibian host defence peptides. *Biochim Biophys Acta Biomembr.* 2022 Feb 1;1864(1):183806.

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

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