

## Aurein 2.6

Cat. No.:	HY-P5573
CAS No.:	302343-10-8
Molecular Formula:	C <sub>77</sub> H <sub>133</sub> N <sub>19</sub> O <sub>19</sub>
Molecular Weight:	1629
Sequence:	Gly-Leu-Phe-Asp-Ile-Ala-Lys-Lys-Val-Ile-Gly-Val-Ile-Gly-Ser-Leu-NH <sub>2</sub>
Sequence Shortening:	GLFDIAKKVIGVIGSL-NH <sub>2</sub>
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Aurein 2.6 is an antibiotic antimicrobial peptide. Aurein 2.6 is active against Gram-positive bacterial (MIC: 25, 25, 30, 25, 30 μM for *M. luteus*, *S. aureus*, *S. epidermis*, *S. mutans*, *B. subtilis*)<sup>[1][2]</sup>.

### 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA