

## Aurein 2.2

Cat. No.:	HY-P5561
CAS No.:	302343-04-0
Molecular Formula:	C <sub>76</sub> H <sub>131</sub> N <sub>19</sub> O <sub>19</sub>
Molecular Weight:	1614.97
Sequence:	Gly-Leu-Phe-Asp-Ile-Val-Lys-Lys-Val-Val-Gly-Ala-Leu-Gly-Ser-Leu-NH <sub>2</sub>
Sequence Shortening:	GLFDIVKKVVGALGSL-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 2.2 is a major component of the skin secretion of *L.aurea*. Aurein 2.2 is an antibiotic with broad-spectrum antibacterial activity against Gram positive bacteria such as *Staphylococcus aureus* and *S. epidermidis*<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]. Raheem N, et al. Insights into the mechanism of action of two analogues of aurein 2.2. *Biochim Biophys Acta Biomembr.* 2020 Jun 1;1862(6):183262.

**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