

## Maximin 42

<b>Cat. No.:</b>	HY-P5689
<b>Molecular Formula:</b>	C <sub>139</sub> H <sub>223</sub> N <sub>33</sub> O <sub>34</sub>
<b>Molecular Weight:</b>	2900.46
<b>Sequence:</b>	Ser-Ile-Gly-Ala-Lys-Ile-Leu-Gly-Gly-Val-Lys-Thr-Phe-Phe-Lys-Gly-Ala-Leu-Lys-Glu-Leu-Ala-Phe-Thr-Tyr-Leu-Gln-NH <sub>2</sub>
<b>Sequence Shortening:</b>	SIGAKILGGVKTFFKALKELAFTYLQ-NH <sub>2</sub>
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Maximin 42 is an antimicrobial peptide. Maximin 42 has antibacterial activity against *S. aureus* (MIC: 37.5 µg/mL). Maximin 42 has hemolytic activities against human red cells<sup>[1]</sup>.

### REFERENCES

[1]. Liu R, et al. There are abundant antimicrobial peptides in brains of two kinds of Bombina toads. *J Proteome Res.* 2011 Apr 1;10(4):1806-15.

**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