

## Maximin 39

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<b>Cat. No.:</b>	HY-P5672
<b>Molecular Formula:</b>	C <sub>131</sub> H <sub>215</sub> N <sub>33</sub> O <sub>34</sub>
<b>Molecular Weight:</b>	2796.31
<b>Sequence:</b>	Gly-Ile-Gly-Thr-Lys-Phe-Leu-Gly-Gly-Val-Lys-Thr-Ala-Leu-Lys-Gly-Ala-Leu-Lys-Glu-Leu-Ala-Phe-Thr-Tyr-Val-Asn-NH <sub>2</sub>
<b>Sequence Shortening:</b>	GIGTKFLGGVKTALKGALKELAFTYVN-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 39 is an antimicrobial peptide derived from the toad brain. Maximin 39 is active against *Staphylococcus aureus* and *Escherichia coli*, with MIC values of 18.8, 37.5 µg/mL, respectively<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.**

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