

## LCI peptide

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|-----------------------------|---|
| <b>Cat. No.:</b>            | HY-P5710  |
| <b>Molecular Formula:</b>   | C <sub>259</sub> H <sub>378</sub> N <sub>62</sub> O <sub>69</sub>   |
| <b>Molecular Weight:</b>    | 5464.15   |
| <b>Sequence:</b>            | Ala-Ile-Lys-Leu-Val-Gln-Ser-Pro-Asn-Gly-Asn-Phe-Ala-Ala-Ser-Phe-Val-Leu-Asp-Gly-Thr<br>-Lys-Trp-Ile-Phe-Lys-Ser-Lys-Tyr-Tyr-Asp-Ser-Ser-Lys-Gly-Tyr-Trp-Val-Gly-Ile-Tyr-Glu-<br>Val-Trp-Asp-Arg-Lys |
| <b>Sequence Shortening:</b> | AIKLVQSPNGNFAASFVLDGTDGKWKIFKSKYYDSSKGYWVGIYEVWDRK  |
| <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

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|--------------------|--|
| <b>Description</b> | LCI peptide is an antimicrobial peptide with antibacterial activity. LCI peptide is active against plant pathogens, Xanthomonas and Pseudomonas, including E. coli, Gentamicin-resistant MRSA and Xoo <sup>[1]</sup> . |
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## REFERENCES

[1]. Saikia K, et al. Aromatic-rich C-terminal region of LCI is a potent antimicrobial peptide in itself. Biochem Biophys Res Commun. 2019 Nov 5;519(2):372-377.

**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