

## LA-Bac8c

Cat. No.:	HY-146133
Molecular Formula:	C <sub>65</sub> H <sub>102</sub> N <sub>20</sub> O <sub>9</sub> S <sub>2</sub>
Molecular Weight:	1371.76
Sequence:	{5-(1,3-dithiolan-4-yl)pentanoic acid}-Arg-Ile-Trp-Val-Ile-Trp-Arg-Arg-NH <sub>2</sub>
Sequence Shortening:	{5-(1,3-dithiolan-4-yl)pentanoic acid}-RIWVIWRR-NH <sub>2</sub>
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	LA-Bac8c is a Lipoic acid modified antimicrobial peptide with enhanced antimicrobial properties. LA-Bac8c inhibits <i>S. aureus</i> , MRSA, <i>S. epidermidis</i> , <i>E. coli</i> , and <i>P. aeruginosa</i> with MICs of 1, 4, 8, 8, and 8 µg/mL <sup>[1]</sup> .
In Vitro	LA-Bac8c shows antibacterial activity with MIC values of 1, 4, 8, 8 and 8 µg/mL against <i>S. aureus</i> , MRSA, <i>S. epidermidis</i> , <i>E. coli</i> and <i>P. aeruginosa</i> , respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Wenya Zhou, et al. Lipoic acid modified antimicrobial peptide with enhanced antimicrobial properties. *Bioorg Med Chem*. 2020 Oct 1;28(19):115682.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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