

MCF

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| Cat. No.: | HY-P5629 |
| CAS No.: | 579474-25-2 |
| Molecular Formula: | C ₈₄ H ₁₄₄ N ₂₈ O ₁₉ |
| Molecular Weight: | 1850.22 |
| Sequence: | Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-NH ₂ |
| Sequence Shortening: | GLPALISWIKRKRQQG-NH ₂ |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

Description

MCF is an antimicrobial peptide derived from bee venom. MCF has activity against E.coli W 160-37, S.aureus 8530 and B.subtilis, the MIC values are 35-45 µg/ml, 25-35 µg/ml and 15-25 µg/ml^[1].

REFERENCES

[1]. Subbalakshmi C, et al. Biological activities of C-terminal 15-residue synthetic fragment of melittin: design of an analog with improved antibacterial activity. FEBS Lett. 1999 Apr 1;448(1):62-6.

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

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