

## Crotalicidin

|                      |   |
|----------------------|---|
| Cat. No.:            | HY-P5020  |
| CAS No.:             | 1818372-26-7  |
| Molecular Formula:   | C <sub>203</sub> H <sub>346</sub> N <sub>54</sub> O <sub>36</sub> S   |
| Molecular Weight:    | 4151.32   |
| Sequence:            | Lys-Arg-Phe-Lys-Lys-Phe-Phe-Lys-Lys-Val-Lys-Lys-Ser-Val-Lys-Lys-Arg-Leu-Lys-Lys-Ile<br>-Phe-Lys-Lys-Pro-Met-Val-Ile-Gly-Val-Thr-Ile-Pro-Phe-NH <sub>2</sub> |
| Sequence Shortening: | KRFKFFKVKKSVKKRLKKIFKKPMVIGVTIPF-NH <sub>2</sub>  |
| Target:              | Bacterial   |
| Pathway:             | Anti-infection  |
| Storage:             | Please store the product under the recommended conditions in the Certificate of Analysis.   |

### BIOLOGICAL ACTIVITY

#### Description

Crotalicidin is an antimicrobial peptide and anti-tumor peptide that can effectively inhibit the activity of Gram-negative bacteria and tumor cells. Crotalicidin can be obtained from rattlesnake venom. Crotalicidin can be used in the study of microbial infections and cancer<sup>[1]</sup>.

### REFERENCES

[1]. Falcao CB, et al. Structural Dissection of Crotalicidin, a Rattlesnake Venom Cathelicidin, Retrieves a Fragment with Antimicrobial and Antitumor Activity. J Med Chem. 2015 Nov 12;58(21):8553-63.

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

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