

Dermaseptin-B3

Cat. No.:	HY-P5580
CAS No.:	210890-55-4
Molecular Formula:	C ₁₂₇ H ₂₁₉ N ₃₅ O ₃₂ S
Molecular Weight:	2780.38
Sequence:	Ala-Leu-Trp-Lys-Asn-Met-Leu-Lys-Gly-Ile-Gly-Lys-Leu-Ala-Gly-Gln-Ala-Ala-Leu-Gly-Ala-Val-Lys-Thr-Leu-Val-Gly-Ala
Sequence Shortening:	ALWKNMLKGIGKLAGQAALGAVKTLVGA
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Dermaseptin-B3 inhibits the growth of Gram-positive and Gram-negative bacteria (MIC: 1.3, 2.3, 5.0, 2.6, 2.3 μM for *S. aureus*, *P. aeruginosa*, *P. aeruginosa*, *E. (ATCC 25922)*, *E. (54127)* respectively). Dermaseptin-B3 also inhibits tumor cell proliferation [1][2].

REFERENCES

- [1]. Charpentier S, et al. Structure, synthesis, and molecular cloning of dermaseptins B, a family of skin peptide antibiotics. *J Biol Chem.* 1998 Jun 12;273(24):14690-7.
- [2]. van Zogel H, et al. Antitumor and angiostatic peptides from frog skin secretions. *Amino Acids.* 2012 Jan;42(1):385-95.

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

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