

Garvicin KS, GakA

Cat. No.:	HY-P5205
CAS No.:	2098351-24-5
Molecular Formula:	C ₁₆₁ H ₂₅₉ N ₄₃ O ₃₉ S
Molecular Weight:	3453.11
Sequence:	Met-Gly-Ala-Ile-Ile-Lys-Ala-Gly-Ala-Lys-Ile-Val-Gly-Lys-Gly-Val-Leu-Gly-Gly-Gly-Ala-Ser-Trp-Leu-Gly-Trp-Asn-Val-Gly-Glu-Lys-Ile-Trp-Lys
Sequence Shortening:	MGAIIKAGAKIVGKGVLGASWLGWNVGEKIWK
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Garvicin KS, GakA is a peptide at sizes of 34 amino acids to form bacteriocin garvicin KS (GarKS), with other 2 peptides, GakB, and GakC. Garvicin KS, GakA inhibits fibroblast viability and proliferation. Garvicin KS, GakA with GakB, is a potent combination with good peptide stability, antimicrobial efficacy, and fibroblast viability/proliferation effects. Garvicin KS peptides inhibit MSSA with MIC values in the order GakB > GakC > GakA^[1].

REFERENCES

[1]. Thapa RK, et al. Preformulation studies on novel garvicin KS peptides for topical applications. Eur J Pharm Sci. 2020 Aug 1;151:105333.

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

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