

Garvicin KS, GakB

Cat. No.:	HY-P5206
CAS No.:	2098351-25-6
Molecular Formula:	$C_{145}H_{247}N_{39}O_{37}S$
Molecular Weight:	3160.82
Sequence:	Met-Gly-Ala-Ile-Ile-Lys-Ala-Gly-Ala-Lys-Ile-Ile-Gly-Lys-Gly-Leu-Leu-Gly-Gly-Ala-Ala-Gly-Gly-Ala-Thr-Tyr-Gly-Gly-Leu-Lys-Lys-Ile-Phe-Gly
Sequence Shortening:	MGAIKAGAKIIGKGLLGGAAGGATYGGLKKIFG
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Garvicin KS, GakB is a peptide at sizes of 34 amino acids to form bacteriocin garvicin KS (GarKS), with other 2 peptides, GakA, and GakC. Garvicin KS, GakB inhibits fibroblast viability and proliferation. Garvicin KS, GakB with GakA, 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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