

## Garvicin KS, GakA

## Chemical Properties

CAS No. : 2098351-24-5

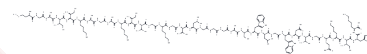
Formula: C161H259N43O39S

Molecular Weight: 3453.11

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Garvicin KS (GakKS) is a bacteriocin composed of a 34 amino acid peptide, GakA, and two additional peptides, GakB and GakC. GakA alone has been found to reduce fibroblast viability and proliferation. When combined with GakB, GakA forms an effective duo that exhibits notable peptide stability, antimicrobial potency, and an influence on fibroblast viability and proliferation. Among the Garvicin KS peptides, GakB is the most effective against MSSA, with minimum inhibitory concentration (MIC) values ranked as GakB > GakC > GakA [1].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2896 mL	1.448 mL	2.8959 mL
5 mM	0.0579 mL	0.2896 mL	0.5792 mL
10 mM	0.029 mL	0.1448 mL	0.2896 mL
50 mM	0.0058 mL	0.029 mL	0.0579 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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