

Garvicin KS, GakB

Chemical Properties

CAS No. : 2098351-25-6

Formula: C145H247N39O37S

Molecular Weight: 3160.82

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 (GakB) is a bacteriocin comprising a 34-amino-acid peptide, GakB, along with two additional peptides, GakA and GakC. GakB specifically impairs fibroblast viability and proliferation. When combined with GakA, GakB demonstrates enhanced peptide stability, antimicrobial activity, and notable impacts on fibroblast viability and proliferation. Regarding methicillin-sensitive Staphylococcus aureus (MSSA) inhibition, minimum inhibitory concentration (MIC) values rank the peptides in descending order of effectiveness as GakB, followed by GakC, and then GakA [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3164 mL	1.5819 mL	3.1637 mL
5 mM	0.0633 mL	0.3164 mL	0.6327 mL
10 mM	0.0316 mL	0.1582 mL	0.3164 mL
50 mM	0.0063 mL	0.0316 mL	0.0633 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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