



Bactenecin PRODUCT DATA SHEET

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Product Name:	Bactenecin
Product Number:	B033
CAS Number:	116229-36-8
Molecular Formula:	$C_{63}H_{118}N_{24}O_{13}S_2$
Molecular Weight:	1483.89
Appearance:	Off-white powder
Storage Conditions:	-20°C
Description:	Bactenecin is a cyclic, 12 amino acid antimicrobial peptide (AMP) with antibacterial activity against Gram-negative and some Gram-positive bacteria.
Mechanism of Action:	Bactenecin inhibits protein synthesis by binding to bacterial ribosomes.
Spectrum:	Bactenecin is active against Gram-negative bacteria.
References:	Gagnon, Matthieu G., Raktim N. Roy, Ivan B. Lomakin, Tanja Florin, Alexander S. Mankin, and Thomas A. Steitz. "Structures of Proline-rich Peptides Bound to the Ribosome Reveal a Common Mechanism of Protein Synthesis Inhibition." <i>Nucleic Acids Res Nucleic Acids Research</i> (2016)

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