

Product Name:	PGLa
Product Number:	P104
CAS Number:	102068-15-5
Molecular Formula:	$C_{88}H_{162}N_{26}O_{22}S$
Molecular Weight:	1968.45
Description:	PGLa is an antimicrobial peptide (AMP) composed of 21 amino acids which form an α -helical secondary structure. Like many AMPs PGLa exerts a wide variety of antimicrobial activity including activity against fungi, viruses, gram-negative and gram-positive bacteria, and cancer cell lines.
Mechanism of Action:	PGLa can dimerize and insert into cellular membrane, where the dimers assemble into a transmembrane pore structure.
References:	Hartmann, M., Berditsch, M., Hawecker, J., Ardakani, M. F., Gerthsen, D., & Ulrich, A. S. (2010). Damage of the Bacterial Cell Envelope by Antimicrobial Peptides Gramicidin S and PGLa as Revealed by Transmission and Scanning Electron Microscopy. <i>Antimicrobial Agents and Chemotherapy</i>, 54(8), 3132-3142. doi:10.1128/aac.00124-10 Strandberg, E., Tremouilhac, P., Wadhwani, P., & Ulrich, A. S. (2009). Synergistic transmembrane insertion of the heterodimeric PGLa/magainin 2 complex studied by solid-state NMR. <i>Biochimica Et Biophysica Acta (BBA) - Biomembranes</i>, 1788(8), 1667-1679. doi:10.1016/j.bbamem.2008.12.018