

Rev03
Update: Feb,10,2022

DATASHEET

Dermaseptin

Cat. No.: RP11228

Overview

Description	Dermaseptins are antimicrobial peptides, strings of amino acids, or proteins, of various sizes and shapes. Dermaseptins were isolated from frog skin. Dermaseptin is a crucial part of the frog's immune system, inhibiting the growth of bacteria, protozoa and fungi. Dermaseptins are cationic (positively charged) and 27-34 residues in length. Dermaseptins adopt a largely K-helical conformation when binding to membranes. Like other antimicrobial peptides, dermaseptin is membrane-perturbing; however, unlike other antimicrobial peptides, dermaseptin rests on the surface of the bacterial membrane and does not insert.
Cas No	136212-91-4
Sequence	{ALA}{LEU}{TRP}{LYS}{THR}{MET}{LEU}{LYS} {LYS}{LEU}{GLY}{THR}{MET}{ALA}{LEU}{HIS} {ALA}{GLY}{LYS}{ALA}{ALA}{LEU}{GLY}{ALA} {ALA}{ALA}{ASP}{THR}{ILE}{SER}{GLN}{GLY} {THR}{GLN}
Sequence Shortening	ALWKTMLKKLGTMALHAGKAALGAAADTISQGTQ
Molecular Formula	C ₁₅₂ H ₂₅₇ N ₄₃ O ₄₄ S ₂
Molecular Weight	3455.1

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.
Note	Highly potent antimicrobial activity against pathogenic fungi.