

Product Name:	Magainin I
Product Number:	M073
CAS Number:	108433-99-4
Molecular Formula:	C ₁₁₂ H ₁₇₇ N ₂₉ O ₂₈ S
Molecular Weight:	2409.85
Description:	<p>Magainin I is a 23 residue long antimicrobial peptide originally discovered in the skin of <i>Xenopus laevis</i>. It has shown broad-spectrum antibiotic activity, particularly of <i>E. coli</i>, and antifungal activity.</p> <p>TOKU-E also offers:</p> <ul style="list-style-type: none">• <u>Magainin II (M074)</u>
Mechanism of Action:	Magainin I is believed to form pores in the target bacterial membrane, causing lysis and death.
References:	<p>Imura, Y., Choda, N., & Matsuzaki, K. (2008). Magainin 2 in Action: Distinct Modes of Membrane Permeabilization in Living Bacterial and Mammalian Cells. <i>Biophysical Journal</i>, 95(12), 5757-5765. doi:10.1529/biophysj.108.133488</p> <p>Zasloff, M. (1988). Magainins, a class of antimicrobial peptides from <i>Xenopus</i> skin: Isolation, characterization of two active forms, and partial cDNA sequence of a precursor. <i>Journal of Ethnopharmacology</i>, 23(2-3), 360. doi:10.1016/0378-8741(88)90095-5</p>