

Rev03
Update: Feb,10,2022

DATASHEET

Magainin 2

Cat. No.: RP11232

Overview

Synonyms	MagaininII; Magainin 2; Magainin2
Description	Magainin II is a hemolytic and antibiotic peptide isolated from frog skin. Magainins are positively charged and amphiphatic. Magainin II is thought to preferentially bind to the anionic phospholipids abundant in bacterial membranes with the formation of dynamic peptide-lipid supramolecular pore and cell permeabilization. Binding to artificial neutral membranes has also been demonstrated.
Cas No	108433-95-0
Sequence	{GLY}{ILE}{GLY}{LYS}{PHE}{LEU}{HIS}{SER}{ALA}{LYS}{LYS}{PHE}{GLY}{LYS}{ALA}{PHE}{VAL}{GLY}{GLU}{ILE}{MET}{ASN}{SER}
Sequence Shortening	GIGKFLHSAKKFGKAFVGEIMNS
Molecular Formula	C ₁₁₄ H ₁₈₀ N ₃₀ O ₂₉ S
Molecular Weight	2466.9

Properties

Purity	> 95%
Solubility	Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out any smaller portion of the contents.
Form	Lyophilized
Storage	Store at -20°C. Keep container tightly closed. Store in a cool dry place.

Examples

