Magainin 1 is a membrane-disruptive antimicrobial/antibacterial peptide (AMP) initially produced by African frogs. Magainin 1 exhibits antibacterial activity, inhibiting growth of gram positive bacteria by forming ion channels in bacterial membranes and altering membrane permeability; this prevents bacterial adhesion to membranes and inhibits bacterial growth. Magainin 1 also displays potential anticancer benefit in mammalian leukemia cells, increasing levels of ROS and release of cytochrome c and inducing apoptosis.

References


Cruciani RA, Barker JL, Durell SR, et al. Magainin 2, a natural antibiotic from frog skin, forms ion channels in lipid bilayer membranes.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.