



LKT Laboratories, Inc.

Magainin 2

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Product Information

Product ID M0126

CAS No. 108433-95-0

Chemical Name

Synonym Z-12 Peptide, Mag-2

Formula $C_{114}H_{180}N_{30}O_{29}S$

Formula Wt. 2466.95

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp -20°C

Ship Temp Ambient

Description Magainin 2 is a membrane-disruptive antimicrobial/antibacterial peptide (AMP). Magainin 2 binds to gangliosides on cell membranes, increases membrane permeability by forming pores. Magainin 2 induces formation of giant unilamellar vesicles in lipid membranes, inducing membrane leakage and inhibiting bacterial growth.

H-Gly-Ile-Gly-Lys-Phe-Leu-His-Ser-Ala-Lys-Lys-Phe-Gly-Lys-Ala-Phe-Val-Gly-Glu-Ile-Met-Asn-Ser-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M0126	0.5 mg	\$75.70
M0126	1 mg	\$129.30
M0126	2.5 mg	\$226.90

References Last NB, Miranker AD. Common mechanism unites membrane poration by amyloid and antimicrobial peptides. *Proc Natl Acad Sci U S A*. 2013 Apr 16;110(16):6382-7. PMID: 23576726.

Miyazaki Y, Aoki M, Yano Y, et al. Interaction of antimicrobial peptide magainin 2 with gangliosides as a target for human cell binding. *Biochemistry*. 2012 Dec 21;51(51):10229-35. PMID: 23194027.

Tamba Y, Ariyama H, Levadny V, et al. Kinetic pathway of antimicrobial peptide magainin 2-induced pore formation in lipid membranes. *J Phys Chem B*. 2010 Sep 23;114(37):12018-26. PMID: 20799752.

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