

## Product Datasheet

### Magainin 1 (orb2693691)

<b>Catalog Number</b>	orb2693691
<b>Category</b>	Proteins
<b>Description</b>	<p>Magainins are peptide antibiotics with antibacterial and antiparasitic activities, originally extracted from the skin of <i>Xenopus laevis</i>. Magainin 1 and 2 are closely related peptides of 23 amino acids each and differ by two substitutions. These antimicrobial peptides have broad-spectrum, non-specific activity against a wide range of micro-organisms, including viruses, gram-positive and gram-negative bacteria, protozoa, yeasts and fungi, and may also be hemolytic and cytotoxic to cancer cells. Magainin 1 is a bactericide. Both Magainin 1 and 2 exhibit inhibitory action toward Herpes simplex virus type 1(HSV-1) and HSV-2.</p>
<b>Target</b>	Bacterial; Antibiotic; Fungal
<b>Purity</b>	≥95%
<b>Protein Sequence</b>	GIGKFLHSAGKFGKAFVGEIMKS
<b>MW</b>	2409.9
<b>Solubility (25°C)</b>	Water: 100mg/mL
<b>CAS Number</b>	108433-99-4
<b>Formula</b>	$C_{112}H_{177}N_{29}O_{28}S$
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)