

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

Magainin 2

Product overview

Name	Magainin 2
Cat No	HB7412
Biological description	Antimicrobial peptide that exerts its antimicrobial activity via microbial membrane disruption. Also shows cytotoxic, anti-proliferative, anti-viral and anti-tumor activities.
Alternative names	Mag2
Biological action	Peptide
Purity	>95%
Description	Antimicrobial peptide

Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in acidic buffers

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use
------------------	--

Chemical Data

Molecular Weight	2466.92
Molecular Formula	C ₁₁₄ H ₁₈₀ N ₃₀ O ₂₉ S
Sequence (one letter)	GIGKFLHSAKKFGKAFVGEIMNS
Sequence (three letter)	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
CAS Number	108433-95-0
PubChem identifier	16130189
InChiKey	MGIUUAHJVPPFEV-ABXDCCGRSA-N

References

The effects of magainin 2-derived and rationally designed antimicrobial peptides on *Mycoplasma pneumoniae*

Hayashi K *et al* (2022) PLoS One 17(1)

PubMedID [35073323](#)

Highly synergistic antimicrobial activity of magainin 2 and PGLa peptides is rooted in the formation of supramolecular complexes with lipids

Aisenbrey C *et al* (2020) Sci Rep 10(1)

PubMedID [32669585](#)

Development of Antimicrobial Stapled Peptides Based on Magainin 2 Sequence

