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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
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions Important	Stable for ambient temperature shipping. Follow storage instructions on receipt. 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

Hirano M *et al* (2021) Molecules 26(2)

PubMedID

33466998
