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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

BMAP 28 (bovine)

Cat. No.:	HY-P10402
CAS No.:	939963-76-5
Molecular Formula:	C ₁₄₇ H ₂₅₂ N ₄₄ O ₃₁
Molecular Weight:	3131.85
Sequence:	Gly-Gly-Leu-Arg-Ser-Leu-Gly-Arg-Lys-Ile-Leu-Arg-Ala-Trp-Lys-Lys-Tyr-Gly-Pro-Ile-Ile-V al-Pro-Ile-Ile-Arg-Ile-Gly
Sequence Shortening:	GGLRSLGRKILRAWKKYGPIIVPIIRIG
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

BMAP 28, bovine is an antibacterial peptide. BMAP 28, bovine exhibits antimicrobial activity against gram-positive and gram-negative bacteria, by increasing cell membrane permeability, and causing leakage of cell contents. BMAP 28, bovine exhibits cytotoxicity to cancer cells and activated human lymphocytes. BMAP 28, bovine induces apoptosis through depolarization of mitochondrial membrane potential^{[1][2][3]}.

REFERENCES

- [1]. Brogden KA, et al., Antimicrobial peptides in animals and their role in host defences. *Int J Antimicrob Agents*. 2003 Nov;22(5):465-78.
- [2]. Guo Y, et al., A bovine myeloid antimicrobial peptide (BMAP-28) and its analogs kill pan-drug-resistant *Acinetobacter baumannii* by interacting with outer membrane protein A (OmpA). *Medicine (Baltimore)*. 2018 Oct;97(42):e12832.
- [3]. Risso A, et al., BMAP-28, an antibiotic peptide of innate immunity, induces cell death through opening of the mitochondrial permeability transition pore. *Mol Cell Biol*. 2002 Mar;22(6):1926-35.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA