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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Pantinin-1

Cat. No.:	HY-P10508
CAS No.:	2383114-96-1
Molecular Formula:	C ₇₅ H ₁₁₉ N ₁₇ O ₁₈
Molecular Weight:	1546.85
Sequence:	Gly-Ile-Leu-Gly-Lys-Leu-Trp-Glu-Gly-Phe-Lys-Ser-Ile-Val
Sequence Shortening:	GILGKLWEGFKSIV
Target:	Bacterial; Apoptosis
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Pantinin-1 is an antimicrobial peptide found in the venom of the *Pandinus imperator* scorpion. Pantinin-1 has potent antimicrobial activity against Gram-positive bacteria and fungi, weak antimicrobial activity against Gram-negative bacteria, and very low hemolytic activity against human erythrocytes. Pantinin-1 also has anticancer activity and can induce apoptosis in tumor cells^[1].

REFERENCES

[1]. Crusca Jr E, et al. Biophysical characterization and antitumor activity of synthetic Pantinin peptides from scorpion's venom[J]. *Biochimica et Biophysica Acta (BBA)-Biomembranes*, 2018, 1860(11): 2155-2165.

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

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