



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Pap12-6

Cat. No.:	HY-P10349
Molecular Formula:	C <sub>83</sub> H <sub>133</sub> N <sub>23</sub> O <sub>12</sub>
Molecular Weight:	1645.09
Sequence:	Arg-Trp-Lys-Ile-Phe-Lys-Lys-Val-Val-Lys-Lys-Trp-NH <sub>2</sub>
Sequence Shortening:	RWKIFKKVKKW-NH <sub>2</sub>
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Pap12-6 is a 12-mer peptide derived from the antimicrobial peptide Papiliocin of yellow butterfly larva. Pap12-6 kills bacteria by penetrating and disrupting their membranes, exhibiting strong antibacterial activity. Pap12-6 exerts its anti-inflammatory effects through the TLR4-mediated NF-κB signaling pathway<sup>[1]</sup>.

### REFERENCES

[1]. Kim J, et al. Development of a novel short 12-meric papiliocin-derived peptide that is effective against Gram-negative sepsis. Sci Rep. 2019 Mar 7;9(1):3817.

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

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