



# 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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## AcrAP2

Cat. No.:	HY-P10515
Molecular Formula:	C <sub>95</sub> H <sub>149</sub> N <sub>21</sub> O <sub>22</sub>
Molecular Weight:	1937.33
Sequence:	Phe-Leu-Phe-Ser-Leu-Ile-Pro-Asn-Ala-Ile-Ser-Gly-Leu-Leu-Ser-Ala-Phe-Lys-NH <sub>2</sub>
Sequence Shortening:	FLFSLIPNAISGLLSAFK-NH <sub>2</sub>
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

AcrAP2 is an antimicrobial peptide present in the venom of the Arabian scorpion (*Androctonus crassicauda*). AcrAP2 is inhibitory against Gram-positive bacteria and yeast but is essentially inactive against Gram-negative bacteria. A cation-enhanced AcrAP2 analog (AcrAP2a) exhibits significant antiproliferative effects at low concentrations against certain human cancer cell lines. AcrAP2 can be used in antibacterial and anti-tumor research<sup>[1]</sup>.

### REFERENCES

[1]. Du Q, et al. Cationicity-enhanced analogues of the antimicrobial peptides, AcrAP1 and AcrAP2, from the venom of the scorpion, *Androctonus crassicauda*, display potent growth modulation effects on human cancer cell lines[J]. International journal of biological sciences, 2014, 10(10): 1097.

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

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