



# 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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## Cys-Pexiganan TFA

Cat. No.:	HY-P10455
Molecular Formula:	C <sub>125</sub> H <sub>215</sub> N <sub>33</sub> O <sub>23</sub> S.xCF <sub>3</sub> COOH
Sequence:	Cys-Gly-Ile-Gly-Lys-Phe-Leu-Lys-Lys-Ala-Lys-Lys-Phe-Gly-Lys-Ala-Phe-Val-Lys-Ile-Leu-Lys-Lys-NH <sub>2</sub> Cys-Gly-Ile-Gly-Lys-Phe-Leu-Lys-Lys-Ala-Lys-Lys-Phe-Gly-Lys-Ala-Phe-Val-Lys-Ile-Leu-Lys-Lys-NH <sub>2</sub> (TFA salt)
Sequence Shortening:	CGIGKFLKKAKKFGKAFVKILKK-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

Cys-Pexiganan TFA is an amphiphilic antimicrobial peptide. Cys-Pexiganan TFA exhibits antibacterial activities against *Staphylococcus aureus* and *Pseudomonas aeruginosa*, with MIC of 16 µg/mL and 64.0 µg/mL. Cys-Pexiganan TFA interacts with anionic phospholipids and DNA of microbial cell membranes, disintegrates the cells and leads to cell death<sup>[1]</sup>.

### REFERENCES

[1]. Teixeira MA, et al., Tiger 17 and pexiganan as antimicrobial and hemostatic boosters of cellulose acetate-containing poly(vinyl alcohol) electrospun mats for potential wound care purposes. *Int J Biol Macromol.* 2022 Jun 1;209(Pt A):1526-1541.

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

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