



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Cn2 toxin TFA

<b>Cat. No.:</b>	HY-P5807A
<b>Molecular Formula:</b>	C <sub>336</sub> H <sub>496</sub> N <sub>90</sub> O <sub>96</sub> S <sub>8</sub> ·xC <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
<b>Sequence:</b>	Lys-Glu-Gly-Tyr-Leu-Val-Asp-Lys-Asn-Thr-Gly-Cys-Lys-Tyr-Glu-Cys-Leu-Lys-Leu-Gly-Asp-Asn-Asp-Tyr-Cys-Leu-Arg-Glu-Cys-Lys-Gln-Gln-Tyr-Gly-Lys-Gly-Ala-Gly-Gly-Tyr-Cys-Tyr-Ala-Phe-Ala-Cys-Trp-Cys-Thr-His-Leu-Tyr-Glu-Gln-Ala-Ile-Val-Trp-Pro-Leu-Pro-Asn-Lys-Arg-Cys-Ser-NH <sub>2</sub> (Disulfide bridge:Cys12-Cys65;Cys16-Cys41;Cys25-Cys46;Cys29-Cys48) <small>KEGYLVQNTGCKYECLKLGNDYCLRECKQYQYKGGAGGYCYAFACWCTHLYEQAIWVPLPNK (Disulfide bridge:Cys12-Cys65;Cys16-Cys41;Cys25-Cys46;Cys29-Cys48) (TFA salt)</small>
<b>Sequence Shortening:</b>	KEGYLVQNTGCKYECLKLGNDYCLRECKQYQYKGGAGGYCYAFACWCTHLYEQAIWVPLPNK RCS-NH <sub>2</sub> (Disulfide bridge:Cys12-Cys65;Cys16-Cys41;Cys25-Cys46;Cys29-Cys48)
<b>Target:</b>	Sodium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Storage:</b>	Sealed storage, away from moisture and light Powder    -80°C    2 years -20°C    1 year  * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

<b>Description</b>	Cn2 toxin TFA (β-Mammal toxin Cn2 TFA) is a single-chain β-scorpion neurotoxic peptide that is the main toxin in scorpion venom. Cn2 toxin (TFA) specifically targets mammalian voltage-gated sodium channels (VGSC) Nav1.6 <sup>[1]</sup> .
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### REFERENCES

[1]. Chen R, et al. Conserved functional surface of antimammalian scorpion β-toxins. J Phys Chem B. 2012 Apr 26;116(16):4796-800.

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

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