



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Crotamine TFA

Cat. No.:	HY-P5159A	
Molecular Formula:	$C_{214}H_{326}N_{64}O_{54}S_7 \cdot xC_2HF_3O_2$	
Sequence:	Tyr-Lys-Gln-Cys-His-Lys-Lys-Gly-Gly-His-Cys-Phe-Pro-Lys-Glu-Lys-Ile-Cys-Leu-Pro-Pro-Ser-Ser-Asp-Phe-Gly-Lys-Met-Asp-Cys-Arg-Trp-Arg-Trp-Lys-Cys-Cys-Lys-Lys-Gly-Ser-Gly (Disulfide bonds: Cys4-Cys36, Cys11-Cys30, Cys18-Cys37)	Tyr-Lys-Gln-Cys-His-Lys-Lys-Gly-Gly-His-Cys-Phe-Pro-Lys-Glu-Lys-Ile-Cys-Leu-Pro-Pro-Ser-Ser-Asp-Phe-Gly-Lys-Met-Asp-Cys-Arg-Trp-Arg-Trp-Lys-Cys-Cys-Lys-Lys-Gly-Ser-Gly (Disulfide bonds: Cys4-Cys36, Cys11-Cys30, Cys18-Cys37) (TFA salt)
Sequence Shortening:	YKQCHKKGGHCFPKEKICLPPSSDFGKMDCRWRWKCKKKGSG (Disulfide bonds: Cys4-Cys36, Cys11-Cys30, Cys18-Cys37)	
Target:	Sodium Channel	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 100 mg/mL * "≥" means soluble, but saturation unknown.
-----------------	--

BIOLOGICAL ACTIVITY

Description	Crotamine TFA is a Na ⁺ channel modulator. Crotamine is a 42 amino acid toxin cross-linked by three disulfide bridges. Crotamine has analgesic activity. Crotamine also interacts with lipid membranes and shows myonecrotic activity. Crotamine can be isolated from <i>Crotalus durissus terrificus</i> venom ^{[1][2]} .
--------------------	--

REFERENCES

- [1]. Nicastro G, et al. Solution structure of crotamine, a Na⁺ channel affecting toxin from *Crotalus durissus terrificus* venom. *Eur J Biochem.* 2003 May;270(9):1969-79.
- [2]. Kerkis I, et al. Biological versatility of crotamine--a cationic peptide from the venom of a South American rattlesnake. *Expert Opin Investig Drugs.* 2010 Dec;19(12):1515-25.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA