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Zuschläge

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- 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) 

Tau conotoxin CnVA

Cat. No.:	HY-P10505
CAS No.:	1436463-45-4
Molecular Formula:	C ₇₂ H ₁₁₆ N ₂₄ O ₁₇ S ₄
Molecular Weight:	1718.1
Sequence:	Glu-Cys-Cys-His-Arg-Gln-Leu-Leu-Cys-Cys-Leu-Arg-Phe-Val-NH ₂ (Disulfide bridge: Cys2-Cys9; Cys3-Cys10)
Sequence Shortening:	ECCHRQLLCCLRFV-NH ₂ (Disulfide bridge: Cys2-Cys9; Cys3-Cys10)
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Tau conotoxin CnVA is a small peptide found in the venom of the Conus consors pit viper, belonging to the T1 pit viper peptide superfamily. Tau conotoxin CnVA shows a highly selective interaction with the somatostatin sst3 receptor ($K_i=1.5 \mu\text{M}$) and is the only toxin known to interact with this subfamily of G protein-coupled receptors (GPCRs). Tau conotoxin CnVA can be used in the study of diseases associated with the sst3 receptor, such as pancreatic cancer or pituitary adenomas^[1].

REFERENCES

[1]. Petrel C, et al. Identification, structural and pharmacological characterization of τ -CnVA, a conopeptide that selectively interacts with somatostatin sst3 receptor[J]. Biochemical pharmacology, 2013, 85(11): 1663-1671.

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