

ω-Conotoxin CVIE

Cat. No.:	HY-P5805
Molecular Formula:	C ₉₈ H ₁₆₄ N ₄₀ O ₃₄ S ₆
Molecular Weight:	2638.99
Sequence:	Cys-Lys-Gly-Lys-Gly-Ala-Ser-Cys-Arg-Arg-Thr-Ser-Tyr-Asp-Cys-Cys-Thr-Gly-Ser-Cys-Arg-Ser-Gly-Arg-Cys-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
Sequence Shortening:	CKGKGASCRRTSYDCCTGSCRSGRG-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	ω-Conotoxin CVIE is a voltage-gated Ca ²⁺ channel (Ca _v 2.2) selective inhibitor ^[1] .
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REFERENCES

[1]. Berecki G, et al. Effects of arginine 10 to lysine substitution on ω-conotoxin CVIE and CVIF block of Cav2.2 channels. Br J Pharmacol. 2014 Jul;171(13):3313-27.

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