

ω-Conotoxin CnVIIA

Cat. No.:	HY-P5822
CAS No.:	760212-36-0
Molecular Formula:	C ₁₁₀ H ₁₇₉ N ₃₉ O ₃₆ S ₇
Molecular Weight:	2848.29
Sequence:	Cys-Lys-Gly-Lys-Gly-Ala-{Hyp}-Cys-Thr-Arg-Leu-Met-Tyr-Asp-Cys-Cys-His-Gly-Ser-Cys-Ser-Ser-Ser-Lys-Gly-Arg-Cys-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys27)
Sequence Shortening:	CKGKGA-{Hyp}-CTRLMYDCCHGSCSSSKGRC-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys27)
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 CnVIIA, a 27 amino acid neuropeptide toxin, is a N-type calcium current blocker ^[1] .
IC ₅₀ & Target	N-type calcium channel

REFERENCES

[1]. P Favreau, et al. A new omega-conotoxin that targets N-type voltage-sensitive calcium channels with unusual specificity. *Biochemistry*. 2001 Dec 4;40(48):14567-75.

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

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