

ω-Conotoxin FVIA

Cat. No.:	HY-P5802
Molecular Formula:	C ₉₈ H ₁₆₄ N ₃₆ O ₃₃ S ₆
Molecular Weight:	2566.96
Sequence:	Cys-Lys-Gly-Thr-Gly-Lys-Ser-Cys-Ser-Arg-Ile-Ala-Tyr-Asn-Cys-Cys-Thr-Gly-Ser-Cys-Arg-Ser-Gly-Lys-Cys-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
Sequence Shortening:	CKGTGKSCSRIAYNCCTGSCRSGKC-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 FVIA is an N-type Ca²⁺ channel (Ca_v2.2) inhibitor. ω-Conotoxin FVIA reduces mechanical and thermal pain abnormalities in a rat model of caudal nerve injury. ω-Conotoxin FVIA can be used in the study of highly effective pain relievers with low side effects^[1].

REFERENCES

[1]. Lee S, et al Analgesic effect of highly reversible ω-conotoxin FVIA on N type Ca²⁺ channels. Mol Pain. 2010 Dec 21;6:97.

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

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