

ω -conotoxin MoVIA

Cat. No.:	HY-P5902
Molecular Formula:	C ₁₄₇ H ₂₃₃ N ₄₅ O ₄₇ S ₇
Molecular Weight:	3607.15
Sequence:	Cys-Lys-Pro-{Hyp}-Gly-Ser-Lys-Cys-Ser-{Hyp}-Ser-Met-Arg-Asp-Cys-Cys-Thr-Thr-Cys-Ile-Ser-Tyr-Thr-Lys-Arg-Cys-Arg-Lys-Tyr-Tyr-Asn (Disulfide bridge: Cys1-Cys16,Cys8-Cys19,Cys15-Cys26)
Sequence Shortening:	CKP-{Hyp}-GSKCS-{Hyp}-SMRDCCCTTCISYTKRCRKYYN (Disulfide bridge: Cys1-Cys16,Cys8-Cys19,Cys15-Cys26)
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 MoVIA is a potent and selective Ca _v 2.2 inhibitor with an IC ₅₀ of 0.33 μ M in SH-SY5Y fluorimetric hCa _v 2.2 assay ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.33 μ M (hCa _v 2.2) ^[1]

REFERENCES

[1]. Sousa SR, et al. Novel analgesic ω -conotoxins from the vermivorous cone snail *Conus moncuri* provide new insights into the evolution of conopeptides. *Sci Rep.* 2018 Sep 7;8(1):13397.

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

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