

ω-Conotoxin CVIB

Cat. No.:	HY-P5817
CAS No.:	325164-09-8
Molecular Formula:	C ₁₀₂ H ₁₇₃ N ₄₁ O ₃₂ S ₇
Molecular Weight:	2710.18
Sequence:	Cys-Lys-Gly-Lys-Gly-Ala-Ser-Cys-Arg-Lys-Thr-Met-Tyr-Asp-Cys-Cys-Arg-Gly-Ser-Cys-Arg-Ser-Gly-Arg-Cys-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
Sequence Shortening:	CKGKGASCRKTMIDCCRGSCRSGRG-NH ₂ (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

ω-Conotoxin CVIB is a non-selective N- and P/Q-type voltage-gated calcium channels (VGCCs) antagonist. ω-Conotoxin CVIB inhibits depolarization-activated whole-cell VGCC currents in dorsal root ganglion (DRG) neurons with a pIC₅₀ of 7.64^[1].

REFERENCES

[1]. Leonid Motin, et al. Omega-conotoxin CVIB differentially inhibits native and recombinant N- and P/Q-type calcium channels. Eur J Neurosci. 2007 Jan;25(2):435-44.

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