

## ω-Conotoxin MVIID

<b>Cat. No.:</b>	HY-P5799
<b>Molecular Formula:</b>	C <sub>99</sub> H <sub>164</sub> N <sub>42</sub> O <sub>33</sub> S <sub>7</sub>
<b>Molecular Weight:</b>	2695.08
<b>Sequence:</b>	Cys-Gln-Gly-Arg-Gly-Ala-Ser-Cys-Arg-Lys-Thr-Met-Tyr-Asn-Cys-Cys-Ser-Gly-Ser-Cys-Asn-Arg-Gly-Arg-Cys-NH <sub>2</sub> (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
<b>Sequence Shortening:</b>	CQGRGASCRKTMYNCCSGSCNRGRC-NH <sub>2</sub> (Disulfide bridge:Cys1-Cys16, Cys8-Cys20, Cys15-Cys25)
<b>Target:</b>	Calcium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	ω-Conotoxin MVIID (SNX-238) is a Conus peptide that blocks an ω-Conotoxin-GVIA-sensitive, high-threshold Ca <sup>2+</sup> current in fish retinal ganglion cells <sup>[1]</sup> .
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### REFERENCES

[1]. T Tabata, et al. Omega-conotoxin-MVIID blocks an omega-conotoxin-GVIA-sensitive, high-threshold Ca<sup>2+</sup> current in fish retinal ganglion cells. *Neuropharmacology*. 1996 May;35(5):633-6.

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

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