

## μ-Conotoxin SIIIA

Cat. No.:	HY-P5858
CAS No.:	877860-32-7
Molecular Formula:	C <sub>83</sub> H <sub>123</sub> N <sub>33</sub> O <sub>27</sub> S <sub>6</sub>
Molecular Weight:	2207.46
Sequence:	{Pyr}-Asn-Cys-Cys-Asn-Gly-Gly-Cys-Ser-Ser-Lys-Trp-Cys-Arg-Asp-His-Ala-Arg-Cys-Cys-NH <sub>2</sub> (Disulfide bridge:Cys3-Cys13, Cys4-Cys19, Cys8-Cys20)
Sequence Shortening:	{Pyr}-NCCNGGCSSKWCRDHARCC-NH <sub>2</sub> (Disulfide bridge:Cys3-Cys13, Cys4-Cys19, Cys8-Cys20)
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

μ-Conotoxin SIIIA is a tetrodotoxin (TTX)-resistant sodium channel blocker. μ-Conotoxin SIIIA is a toxic peptide that can be obtained from the venom of Conus snails. μ-Conotoxin SIIIA can be used in the study of neurological diseases, such as neuropathic pain<sup>[1]</sup>.

### REFERENCES

[1]. Bulaj G, et al. Novel conotoxins from Conus striatus and Conus kinoshitai selectively block TTX-resistant sodium channels. *Biochemistry*. 2005 May 17;44(19):7259-65.

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

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