

μ-Conotoxin SxIIIC

Cat. No.:	HY-P5855
Molecular Formula:	C ₉₀ H ₁₄₂ N ₄₂ O ₂₇ S ₆
Molecular Weight:	2436.75
Sequence:	Arg-Gly-Cys-Cys-Asn-Gly-Arg-Gly-Gly-Cys-Ser-Ser-Arg-Trp-Cys-Arg-Asp-His-Ala-Arg-Cys-Cys-NH ₂ (Disulfide bridge: Cys3-Cys15,Cys4-Cys21,Cys10-Cys22)
Sequence Shortening:	RGCCNGRGGCSSRWCDHARCC-NH ₂ (Disulfide bridge: Cys3-Cys15,Cys4-Cys21,Cys10-Cys22)
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 SxIIIC is an irreversible Na _v channel inhibitor that can be obtained from the <i>Conus striolatus</i> . μ-Conotoxin SxIIIC can be used in the study of neurological diseases such as chronic pain ^[1] .
IC₅₀ & Target	Na _v channel ^[1] .

REFERENCES

[1]. McMahon KL, et al. Discovery, Pharmacological Characterisation and NMR Structure of the Novel μ-Conotoxin SxIIIC, a Potent and Irreversible Na_v Channel Inhibitor. *Biomedicines*. 2020 Oct 2;8(10):391.

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

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