

α -Conotoxin MrlC

Cat. No.:	HY-P5839
CAS No.:	1417816-41-1
Molecular Formula:	C ₇₄ H ₁₁₁ N ₂₃ O ₂₄ S ₄
Molecular Weight:	1835.07
Sequence:	Pro-Glu-Cys-Cys-Thr-His-Pro-Ala-Cys-His-Val-Ser-Asn-Pro-Glu-Leu-Cys-NH ₂ (Disulfide bridge:Cys3-Cys9, Cys4-Cys17)
Sequence Shortening:	PECCTHPACHVSNPELC-NH ₂ (Disulfide bridge:Cys3-Cys9, Cys4-Cys17)
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	α -Conotoxin MrlC is an α 7nAChR biased agonist. α -Conotoxin MrlC exclusively activates α 7nAChR regulated by type II positive allosteric modulators, including PNU120596. α -Conotoxin MrlC can be used to study neurological diseases and also to probe the pharmacological properties of α 7nAChR ^[1] .
IC ₅₀ & Target	α 7nAChR ^[1] .

REFERENCES

[1]. Mueller A, et al. α -Conotoxin MrlC is a biased agonist at α 7 nicotinic acetylcholine receptors. *Biochem Pharmacol.* 2015 Mar 15;94(2):155-63.

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

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