

α-Conotoxin EIIB

Cat. No.:	HY-P5852
Molecular Formula:	C ₇₁ H ₁₀₃ N ₂₅ O ₂₀ S ₄
Molecular Weight:	1754.99
Sequence:	{Pyr}-Thr-{Hyp}-Gly-Cys-Cys-Trp-His-Pro-Ala-Cys-Gly-Lys-Asn-Arg-Cys-NH ₂ (Disulfide bridge:Cys5-Cys11, Cys6-Cys16)
Sequence Shortening:	{Pyr}-T-{Hyp}-GCCWHPACGKNRC-NH ₂ (Disulfide bridge:Cys5-Cys11, Cys6-Cys16)
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 EIIB (Alpha-conotoxin EIIB) is a toxin peptide that can be obtained from *Conus ermineus*. α-Conotoxin EIIB binds to nAChR (K_i=2.2 nM). α-Conotoxin EIIB can be used in the study of neurological diseases such as schizophrenia, drug addiction, Alzheimer's disease, and Parkinson's disease^[1].

REFERENCES

[1]. Echterbille J, et al. Discovery and characterization of EIIB, a new α-conotoxin from *Conus ermineus* venom by nAChRs affinity capture monitored by MALDI-TOF/TOF mass spectrometry. *Toxicon*. 2017 May;130:1-10.

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

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