

alpha-Cobratoxin

Cat. No.:	HY-P5150
CAS No.:	769933-79-1
Molecular Formula:	C ₃₃₂ H ₅₂₀ N ₉₈ O ₁₀₁ S ₁₀
Molecular Weight:	7820.93
Sequence:	Ile-Arg-Cys-Phe-Ile-Thr-Pro-Asp-Ile-Thr-Ser-Lys-Asp-Cys-Pro-Asn-Gly-His-Val-Cys-Tyr-Thr-Lys-Thr-Trp-Cys-Asp-Ala-Phe-Cys-Ser-Ile-Arg-Gly-Lys-Arg-Val-Asp-Leu-Gly-Cys-Ala-Ala-Thr-Cys-Pro-Thr-Val-Lys-Thr-Gly-Val-Asp-Ile-Gln-Cys-Cys-Ser-Thr-Asp-Asn-Cys-Asn-Pro-Phe-Pro-Thr-Arg-Lys-Arg-Pro (Disulfide bonds: Cys3-Cys20, Cys14-Cys41, Cys26-Cys30, Cys45-Cys56, Cys57-Cys62)
Sequence Shortening:	IRCFITPDITSKDCPNGHVCYTKTWCDAFCSIRGKRVDLGCAATCPTVKTGVDIQCCSTDNKNPF PTRKRP (Disulfide bonds: Cys3-Cys20, Cys14-Cys41, Cys26-Cys30, Cys45-Cys56, Cys57-Cys62)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

alpha-Cobratoxin is a neurotoxin, which can be isolated from the venom of the Thailand cobra. alpha-Cobratoxin exhibits neuromodulatory, antiviral, and analgesic activity. alpha-Cobratoxin also shows potent immunosuppressive activity for acute and chronic multiple sclerosis. alpha-Cobratoxin is further on research in adrenomyeloneuropathy^[1].

REFERENCES

[1]. Reid PF. Alpha-cobratoxin as a possible therapy for multiple sclerosis: a review of the literature leading to its development for this application. Crit Rev Immunol. 2007;27(4):291-302.

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

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