

Aah II

Cat. No.:	HY-P5144
Molecular Formula:	C ₃₁₃ H ₄₅₇ N ₈₉ O ₉₅ S ₈
Molecular Weight:	7243.04
Sequence:	Val-Lys-Asp-Gly-Tyr-Ile-Val-Asp-Asp-Val-Asn-Cys-Thr-Tyr-Phe-Cys-Gly-Arg-Asn-Ala-Tyr-Cys-Asn-Glu-Glu-Cys-Thr-Lys-Leu-Lys-Gly-Glu-Ser-Gly-Tyr-Cys-Gln-Trp-Ala-Ser-Pro-Tyr-Gly-Asn-Ala-Cys-Tyr-Cys-Tyr-Lys-Leu-Pro-Asp-His-Val-Arg-Thr-Lys-Gly-Pro-Gly-Arg-Cys-His-NH ₂ (Disulfide bridge:Cys12-Cys63, Cys16-Cys36, Cys22-Cys46, Cys26-Cys48)
Sequence Shortening:	VKDGIVDDVNCTYFCGRNAYCNEECTKLKGESGYCQWASPYGNACYKLPDHSVTKGPGRCH-NH ₂ (Disulfide bridge:Cys12-Cys63, Cys16-Cys36, Cys22-Cys46, Cys26-Cys48)
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

Aah II is a sodium channel modulator. Aah II is a toxin that can be isolated from the venom of scorpion *Androctonus australis* [1][2].

REFERENCES

[1]. Duval A, et al. Changes in Na channel properties of frog and rat skeletal muscles induced by the AaH II toxin from the scorpion *Androctonus australis*. *Pflugers Arch*. 1989 Dec;415(3):361-71.

[2]. Legros C, et al. Expression of the standard scorpion alpha-toxin AaH II and AaH II mutants leading to the identification of some key bioactive elements. *Biochim Biophys Acta*. 2005 May 25;1723(1-3):91-9.

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

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