

BmK-M1

Cat. No.:	HY-P5816
Molecular Formula:	C ₃₁₃ H ₄₆₇ N ₉₁ O ₉₁ S ₈
Molecular Weight:	7217.13
Sequence:	Val-Arg-Asp-Ala-Tyr-Ile-Ala-Lys-Pro-His-Asn-Cys-Val-Tyr-Glu-Cys-Ala-Arg-Asn-Glu-Tyr-Cys-Asn-Asp-Leu-Cys-Thr-Lys-Asn-Gly-Ala-Lys-Ser-Gly-Tyr-Cys-Gln-Trp-Val-Gly-Lys-Tyr-Gly-Asn-Gly-Cys-Trp-Cys-Ile-Glu-Leu-Pro-Asp-Asn-Val-Pro-Ile-Arg-Val-Pro-Gly-Lys-Cys-His (Disulfide bridge:Cys12-Cys63;Cys16-Cys36;Cys22-Cys46;Cys26-Cys48)
Sequence Shortening:	VRDAYIAKPHNCVYECARNEYCNDLCTKNGAKSGYCQWVGKYGNGCWCIELPDNVPIRVPGKCH (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

BmK-M1 is a scorpion toxin, and is composed of 64 amino acids cross-linked by four disulfide bridges. BmK-M1 inhibits Na⁺ channel and can be considered both as a cardiotoxin and a neurotoxin^[1].

REFERENCES

[1]. C Goudet, et al. Electrophysiological characterization of BmK M1, an alpha-like toxin from Buthus martensi Karsch venom. FEBS Lett. 2001 Apr 20;495(1-2):61-5.

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

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