

BDS-II

Cat. No.:	HY-P5818
Molecular Formula:	C ₂₁₄ H ₃₀₁ N ₅₇ O ₅₇ S ₆
Molecular Weight:	4776.42
Sequence:	Ala-Ala-Pro-Cys-Phe-Cys-Pro-Gly-Lys-Pro-Asp-Arg-Gly-Asp-Leu-Trp-Ile-Leu-Arg-Gly-Thr-Cys-Pro-Gly-Gly-Tyr-Gly-Tyr-Thr-Ser-Asn-Cys-Tyr-Lys-Trp-Pro-Asn-Ile-Cys-Cys-Tyr-Pro-His (Disulfide bridge:Cys4-Cys39;Cys6-Cys32;Cys22-Cys40)
Sequence Shortening:	AAPCFCPGKPDRLWILRGTCPPGGYGYTSNCKWPNICCYPH (Disulfide bridge:Cys4-Cys39;Cys6-Cys32;Cys22-Cys40)
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	BDS-II is a peptide toxin, and is composed of 43 amino acids. BDS-II is a selective Kv3.4 channel inhibitor ^[1] .
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REFERENCES

[1]. S Diochot, et al. Sea anemone peptides with a specific blocking activity against the fast inactivating potassium channel Kv3.4. J Biol Chem. 1998 Mar 20;273(12):6744-9.

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

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