

Anthopleurin-C

Cat. No.:	HY-P5824
Molecular Formula:	C ₂₁₀ H ₃₁₆ N ₆₂ O ₆₁ S ₆
Molecular Weight:	4877.52
Sequence:	Gly-Val-Pro-Cys-Leu-Cys-Asp-Ser-Asp-Gly-Pro-Ser-Val-Arg-Gly-Asn-Thr-Leu-Ser-Gly-Ile -Leu-Trp-Leu-Ala-Gly-Cys-Pro-Ser-Gly-Trp-His-Asn-Cys-Lys-Ala-His-Gly-Pro-Thr-Ile-Gly -Trp-Cys-Cys-Lys-Gln (Disulfide bridge:Cys4-Cys44;Cys6-Cys34;Cys27-Cys45)
Sequence Shortening:	GVPCLCSDGPSVRGNTLSGILWLAGCPSGWHNCKAHGPTIGWCKQ (Disulfide bridge:Cys4-Cys44;Cys6-Cys34;Cys27-Cys45)
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	Anthopleurin-C (APE 2-1) is a cardiotoxic polypeptide that shows a powerful positive inotropic effect ^[1] .
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REFERENCES

[1]. T Bruhn, et al. Isolation and characterisation of five neurotoxic and cardiotoxic polypeptides from the sea anemone Anthopleura elegantissima. *Toxicon*. 2001 May;39(5):693-702.

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

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