

GsAF-II

Cat. No.:	HY-P5177
Molecular Formula:	C ₁₇₆ H ₂₆₁ N ₄₇ O ₄₅ S ₇
Molecular Weight:	3979.7
Sequence:	Tyr-Cys-Gln-Lys-Trp-Met-Trp-Thr-Cys-Asp-Glu-Glu-Arg-Lys-Cys-Cys-Glu-Gly-Leu-Val-Cys-Arg-Leu-Trp-Cys-Lys-Lys-Lys-Ile-Glu-Trp (Disulfide bonds: Cys2-Cys16, Cys9-Cys21, Cys15-Cys25)
Sequence Shortening:	YCQKMMWTCDEERKCEGLVCRLWCKKKIEW (Disulfide bonds: Cys2-Cys16, Cys9-Cys21, Cys15-Cys25)
Target:	Sodium Channel; Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

GsAF-II is a peptide toxin that blocks hERG1 subtype potassium channels in a voltage-dependent manner. GsAF-II blocks Nav1.x subtype sodium channels^[1].

REFERENCES

[1]. Redaelli E, et al. Target promiscuity and heterogeneous effects of tarantula venom peptides affecting Na⁺ and K⁺ ion channels. J Biol Chem. 2010 Feb 5;285(6):4130-4142.

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

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