

FS-2

Cat. No.:	HY-P5796
Molecular Formula:	C ₂₉₇ H ₄₆₂ N ₉₂ O ₈₆ S ₁₀
Molecular Weight:	7018.06
Sequence:	Arg-Ile-Cys-Tyr-Ser-His-Lys-Ala-Ser-Leu-Pro-Arg-Ala-Thr-Lys-Thr-Cys-Val-Glu-Asn-Thr-Cys-Tyr-Lys-Met-Phe-Ile-Arg-Thr-His-Arg-Gln-Tyr-Ile-Ser-Glu-Arg-Gly-Cys-Gly-Cys-Pro-Thr-Ala-Met-Trp-Pro-Tyr-Gln-Thr-Glu-Cys-Cys-Lys-Gly-Asp-Arg-Cys-Asn-Lys (Disulfide bridge:Cys3-Cys22;Cys17-Cys39;Cys41-Cys52;Cys53-Cys58)
Sequence Shortening:	RICYSHKASLPRATKTCVENTCYKMFIRTHRQYISERGCGCPTAMWPYQTECCKGDRCNK (Disulfide bridge:Cys3-Cys22;Cys17-Cys39;Cys41-Cys52;Cys53-Cys58)
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	FS-2 is a potent and specific L-type Ca _v channel inhibitor. FS-2 inhibits high K ⁺ or glucose induced L-type Ca ²⁺ influx in RIN beta cells ^[1] .
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REFERENCES

[1]. Schweitz H, et al. Purification and pharmacological characterization of peptide toxins from the black mamba (*Dendroaspis polylepis*) venom. *Toxicol.* 1990;28(7):847-56.

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

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