

Iota-conotoxin RXIA TFA

Cat. No.:	HY-P5808A
Molecular Formula:	C ₂₁₂ H ₃₁₀ N ₅₄ O ₆₉ S ₈ ·xC ₂ HF ₃ O ₂
Sequence:	Gly-[Hyp]-Ser-Phe-Cys-Lys-Ala-Asp-Glu-Lys-[Hyp]-Cys-Glu-Tyr-His-Ala-Asp-Cys-Cys-Asn-Cys-Cys-Leu-Ser-Gly-Ile-Cys-Ala-[Hyp]-Ser-Thr-Asn-Trp-Ile-Leu-Pro-Gly-Cys-Ser-Thr-Ser-Ser-Phe-[d-Phe]-Lys-Ile (Disulfide bridge:Cys5-Cys19;Cys12-Cys22;Cys18-Cys27;Cys21-Cys38)
Sequence Shortening:	G-[Hyp]-SFCKADEK-[Hyp]-CEYHADCCNCLSGICA-[Hyp]-STNWILPGCSTSSF-[d-Phe]-KI (Disulfide bridge:Cys5-Cys19;Cys12-Cys22;Cys18-Cys27;Cys21-Cys38)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

G-[Hyp]-SFCKADEK-[Hyp]-CEYHADCCNCLSGICA-[Hyp]-STNWILPGCSTSSF-[d-Phe]-KI (Disulfide bridge:Cys5-Cys19;Cys12-Cys22;Cys18-Cys27;Cys21-Cys38) (TFA salt)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Iota-conotoxin RXIA (TFA) is an agonist of voltage-gated sodium ion channels NaV1.2, 1.6 and 1.7 ^[1] .
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REFERENCES

[1]. Fiedler B, et al. Specificity, affinity and efficacy of iota-conotoxin RXIA, an agonist of voltage-gated sodium channels Na(V)1.2, 1.6 and 1.7. *Biochem Pharmacol.* 2008 Jun 15;75(12):2334-44.

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

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