

Jingzhaotoxin-XII

Cat. No.:	HY-P5871
Molecular Formula:	C ₁₆₁ H ₂₂₇ N ₄₁ O ₄₄ S ₇
Molecular Weight:	3665.23
Sequence:	Tyr-Cys-Gln-Lys-Trp-Met-Trp-Thr-Cys-Asp-Ser-Glu-Arg-Lys-Cys-Cys-Glu-Gly-Tyr-Val-Cys-Glu-Leu-Trp-Cys-Lys-Tyr-Asn-Leu-NH ₂ (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys25)
Sequence Shortening:	YQKWMWTCDSERKCEGYVCELWCKYNL-NH ₂ (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys25)
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Jingzhaotoxin-XII (JzTx-XII) is a specific Kv4.1 channel inhibitor with an IC ₅₀ of 0.363 μM. Jingzhaotoxin-XII interacts with the channels by modifying the gating behavior ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.363 μM (Kv4.1) ^[1]

REFERENCES

[1]. Yuan C, et al. Jingzhaotoxin-XII, a gating modifier specific for Kv4.1 channels. *Toxicol.* 2007 Oct;50(5):646-52.

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

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