

Jingzhaotoxin-X

Cat. No.:	HY-P5873
Molecular Formula:	C ₁₆₄ H ₂₄₂ N ₄₆ O ₄₁ S ₆
Molecular Weight:	3706.35
Sequence:	Leu-Cys-Ser-Arg-Glu-Gly-Glu-Phe-Cys-Tyr-Lys-Leu-Arg-Lys-Cys-Cys-Ala-Gly-Phe-Tyr-Cys-Lys-Ala-Phe-Val-Leu-His-Cys-Tyr-Arg-Asn (Disulfide bridge: Cys2-Cys15,Cys9-Cys21,Cys16-Cys28)
Sequence Shortening:	LCSREGEFCYKLRKCCAGFYCKAFVLHCYRN (Disulfide bridge: Cys2-Cys15,Cys9-Cys21,Cys16-Cys28)
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-X (JZTX-X) is a selective Kv4.2 and Kv4.3 potassium channels inhibitor. Jingzhaotoxin-X causes long-lasting mechanical hyperalgesia ^[1] .
IC₅₀ & Target	Kv4.2, Kv4.3 ^[1]

REFERENCES

[1]. Deng M, et al. Jingzhaotoxin-X, a gating modifier of Kv4.2 and Kv4.3 potassium channels purified from the venom of the Chinese tarantula *Chilobrachys jingzhao*. *J Venom Anim Toxins Incl Trop Dis*. 2020 May 29;26:e20190043.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA