

Jingzhaotoxin XI

Cat. No.:	HY-P5872
Molecular Formula:	C ₁₅₈ H ₂₃₄ N ₄₄ O ₄₇ S ₇
Molecular Weight:	3726.27
Sequence:	Glu-Cys-Arg-Lys-Met-Phe-Gly-Gly-Cys-Ser-Val-Asp-Ser-Asp-Cys-Cys-Ala-His-Leu-Gly-Cys-Lys-Pro-Thr-Leu-Lys-Tyr-Cys-Ala-Trp-Asp-Gly-Thr-Phe-NH ₂ (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys28)
Sequence Shortening:	ECRKMFGGCSVSDCCAHLGCKPTLKYCAWDGTF-NH ₂ (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys28)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Jingzhaotoxin XI (JZTX-XI) is a sodium conductance inhibitor with an IC ₅₀ of 124 nM. Jingzhaotoxin XI slows the fast inactivation (EC ₅₀ =1.18±0.2 μM) of Na _v 1.5 expressed in Chinese hamster ovary (CHO-K1) cells ^[1] .
IC₅₀ & Target	IC ₅₀ : 124 nM (sodium conductance) ^[1]

REFERENCES

[1]. Tang C, et al. The tarantula toxin jingzhaotoxin-XI (κ -theraphotoxin-Cj1a) regulates the activation and inactivation of the voltage-gated sodium channel Nav1.5. *Toxicol.* 2014 Dec 15;92:6-13.

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