

κM-Conotoxin RIIIJ

Cat. No.:	HY-P5828
Molecular Formula:	C ₁₁₇ H ₁₈₄ N ₃₂ O ₃₆ S ₆
Molecular Weight:	2807.3
Sequence:	Leu-{Hyp}-{Hyp}-Cys-Cys-Thr-{Hyp}-{Hyp}-Lys-Lys-His-Cys-{Hyp}-Ala-{Hyp}-Ala-Cys-Lys-Tyr-Lys-{Hyp}-Cys-Cys-Lys-Ser (Disulfide bridge:Cys4-Cys17, Cys5-Cys22, Cys12-Cys23)
Sequence Shortening:	L-{Hyp}-{Hyp}-CCT-{Hyp}-{Hyp}-KKHC-{Hyp}-A-{Hyp}-ACKYK-{Hyp}-CCKS (Disulfide bridge:Cys4-Cys17, Cys5-Cys22, Cys12-Cys23)
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	κM-Conotoxin RIIIJ (κM-RIIIJ) is a selective Kv1.2 inhibitor with an IC ₅₀ of 33 nM ^[1] .
IC₅₀ & Target	IC ₅₀ : 33 nM (human Kv1.2 channel) ^[1]

REFERENCES

[1]. Chen P, et al. Biochemical characterization of kappaM-RIIIJ, a Kv1.2 channel blocker: evaluation of cardioprotective effects of kappaM-conotoxins. J Biol Chem. 2010 May 14;285(20):14882-14889.

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