

Hemitoxin

Cat. No.:	HY-P5788
Molecular Formula:	C ₁₅₉ H ₂₅₉ N ₄₉ O ₄₉ S ₈
Molecular Weight:	3897.58
Sequence:	Ile-Lys-Cys-Thr-Leu-Ser-Lys-Asp-Cys-Tyr-Ser-Pro-Cys-Lys-Lys-Glu-Thr-Gly-Cys-Pro-Arg-Ala-Lys-Cys-Ile-Asn-Arg-Asn-Cys-Lys-Cys-Tyr-Gly-Cys-Ser (Disulfide bridge:Cys3-Cys24;Cys9-Cys29;Cys13-Cys19;Cys31-Cys34)
Sequence Shortening:	IKCTLSKDCYSPCKKETGCPRAKCINRNCKCYGCS (Disulfide bridge:Cys3-Cys24;Cys9-Cys29;Cys13-Cys19;Cys31-Cys34)
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

Hemitoxin, a scorpion-venom peptide, is a K⁺ channel blocker. Hemitoxin blocks rat Kv1.1, Kv1.2 and Kv1.3 channels expressed in *Xenopus* oocytes with IC₅₀ values of 13 nM, 16 nM and 2 nM, respectively^[1].

REFERENCES

[1]. Najet Srairi-Abid, et al. Hemitoxin, the first potassium channel toxin from the venom of the Iranian scorpion *Hemiscorpius lepturus*. FEBS J. 2008 Sep;275(18):4641-50.

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