

## Tityustoxin-Ka

Cat. No.:	HY-P5921
CAS No.:	152618-71-8
Molecular Formula:	C <sub>168</sub> H <sub>275</sub> N <sub>49</sub> O <sub>46</sub> S <sub>7</sub>
Molecular Weight:	3941.74
Sequence:	Val-Phe-Ile-Asn-Ala-Lys-Cys-Arg-Gly-Ser-Pro-Glu-Cys-Leu-Pro-Lys-Cys-Lys-Glu-Ala-Ile-Gly-Lys-Ala-Ala-Gly-Lys-Cys-Met-Asn-Gly-Lys-Cys-Lys-Cys-Tyr-Pro (Disulfide bridge: Cys7-Cys28, Cys13-Cys33, Cys17-Cys35)
Sequence Shortening:	VFINAKCRGSPECLPKCKEAIGKAAGKCMNGKCKCYP (Disulfide bridge: Cys7-Cys28, Cys13-Cys33, Cys17-Cys35)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Tityustoxin-Ka (TsTx-Ka) is an inhibitor of potassium voltage-gated channels. Tityustoxin-Ka shows a dose-dependent block of the sustained outward current in cultured hippocampal neurons [1].

### REFERENCES

[1]. C U Eccles, et al. Tityustoxin-Ka, from scorpion venom, blocks voltage-gated, non-inactivating potassium current in cultured central neurons. *Neuropharmacology*. 1994, 33, 2.

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

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