

## Ergtoxin-1

Cat. No.:	HY-P5806
CAS No.:	304436-85-9
Molecular Formula:	$C_{193}H_{287}N_{59}O_{63}S_9$
Molecular Weight:	4730.29
Sequence:	Asp-Arg-Asp-Ser-Cys-Val-Asp-Lys-Ser-Arg-Cys-Ala-Lys-Tyr-Gly-Tyr-Tyr-Gln-Glu-Cys-Gln-Asp-Cys-Cys-Lys-Asn-Ala-Gly-His-Asn-Gly-Gly-Thr-Cys-Met-Phe-Phe-Lys-Cys-Lys-Cys-Ala (Disulfide bridge:Cys5-Cys23;Cys11-Cys34;Cys20-Cys39;Cys24-Cys41)
Sequence Shortening:	DRDSCVDKSRCAKYGYQECQDCCKNAGHNGGTCMFFKCKCA (Disulfide bridge:Cys5-Cys23;Cys11-Cys34;Cys20-Cys39;Cys24-Cys41)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Ergtoxin-1 is a potassium channel blocker. Ergtoxin-1 is isolated from the venom of the Mexican scorpion *Centruroides noxius*. Ergtoxin 1 can block ERG-K<sup>+</sup> channels in nerve, heart and endocrine cells<sup>[1]</sup>.

### REFERENCES

[1]. Scaloni A, et al. Disulfide bridges of ergtoxin, a member of a new sub-family of peptide blockers of the ether-a-go-go-related K<sup>+</sup> channel. FEBS Lett. 2000 Aug 18;479(3):156-7.

**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