

## Kaliotoxin (1-37)

Cat. No.:	HY-P3656
CAS No.:	150769-72-5
Molecular Formula:	C <sub>165</sub> H <sub>271</sub> N <sub>53</sub> O <sub>48</sub> S <sub>8</sub>
Molecular Weight:	4018.82
Sequence Shortening:	GVEINVKCSGSPQCLKPCKDAGMRFGKCMNRKCHCTP (Disulfide bridge: Cys8-Cys28;Cys14-Cys33;Cys18-Cys35)
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	Kaliotoxin (1-37) is a toxin from the scorpion <i>Artdroctonus mauretanicus mauretanicus</i> . Kaliotoxin (1-37) is a potent calcium-dependent potassium channel blocker <sup>[1]</sup> .
In Vitro	Kaliotoxin (1-37) is homologous with other scorpion toxins such as <a href="#">Charybdotoxin</a> (HY-P0191; ChTX) or <a href="#">Iberitoxin</a> (HY-P0190; IbTX). Kaliotoxin (1-37) involved in channel blocking by ChTX <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Fernández I, et, al. Kaliotoxin (1-37) shows structural differences with related potassium channel blockers. *Biochemistry*. 1994 Nov 29;33(47):14256-63.

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

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