

## Vm24-toxin

<b>Cat. No.:</b>	HY-P5917
<b>CAS No.:</b>	1373890-79-9
<b>Molecular Formula:</b>	C <sub>157</sub> H <sub>253</sub> N <sub>51</sub> O <sub>45</sub> S <sub>9</sub>
<b>Molecular Weight:</b>	3863.59
<b>Sequence:</b>	Ala-Ala-Ala-Ile-Ser-Cys-Val-Gly-Ser-Pro-Glu-Cys-Pro-Pro-Lys-Cys-Arg-Ala-Gln-Gly-Cys-Lys-Asn-Gly-Lys-Cys-Met-Asn-Arg-Lys-Cys-Lys-Cys-Tyr-Tyr-Cys-NH <sub>2</sub> (Disulfide bridge: Cys6-Cys26, Cys12-Cys31, Cys16-Cys33, Cys21-Cys36)
<b>Sequence Shortening:</b>	AAAISCVGSPECPKPCRAQGCKNGKCMNRKCKCYC-NH <sub>2</sub> (Disulfide bridge: Cys6-Cys26, Cys12-Cys31, Cys16-Cys33, Cys21-Cys36)
<b>Target:</b>	Potassium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Vm24-toxin is a toxin peptide that can be isolated from the Mexican scorpion *Vaejovis mexicanus* smithy. Vm24-toxin is an inhibitor of Kv1.3 potassium channel<sup>[1]</sup>.

### REFERENCES

[1]. Georgina B Gurrola, et al. Structure, function, and chemical synthesis of *Vaejovis mexicanus* peptide 24: a novel potent blocker of Kv1.3 potassium channels of human T lymphocytes. *Biochemistry*. 2012, 51, 19.

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

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