

## Aa1 toxin

<b>Cat. No.:</b>	HY-P5854
<b>Molecular Formula:</b>	C <sub>156</sub> H <sub>260</sub> N <sub>54</sub> O <sub>49</sub> S <sub>6</sub>
<b>Molecular Weight:</b>	3868.46
<b>Sequence:</b>	Gln-Asn-Glu-Thr-Asn-Lys-Lys-Cys-Gln-Gly-Gly-Ser-Cys-Ala-Ser-Val-Cys-Arg-Arg-Val-Ile-Gly-Val-Ala-Ala-Gly-Lys-Cys-Ile-Asn-Gly-Arg-Cys-Val-Cys-Tyr-Pro (Disulfide bridge: Cys 8-Cys28; Cys13-Cys33; Cys17-Cys35)
<b>Sequence Shortening:</b>	QNETNKKCQGGSCASVCRRVIGVAAGKCINGRCVCYP (Disulfide bridge: Cys8-Cys28; Cys13-Cys33; Cys17-Cys35)
<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

Aa1 toxin, a neurotoxic peptide that can be obtained from the venom of *Androctonus australis* Garzoni, is a specific potassium channel blocker. Aa1 toxin can be used in the study of neurological diseases<sup>[1]</sup>.

### REFERENCES

[1]. Pisciotta M, et al. Fast K(+) currents from cerebellum granular cells are completely blocked by a peptide purified from *Androctonus australis* Garzoni scorpion venom. *Biochim Biophys Acta*. 2000 Sep 29;1468(1-2):203-12.

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

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