

## Wasabi Receptor Toxin

<b>Cat. No.:</b>	HY-P5914
<b>CAS No.:</b>	2569291-86-5
<b>Molecular Formula:</b>	C <sub>164</sub> H <sub>245</sub> N <sub>45</sub> O <sub>53</sub> S <sub>5</sub>
<b>Molecular Weight:</b>	3855.29
<b>Sequence:</b>	Ala-Ser-Pro-Gln-Gln-Ala-Lys-Tyr-Cys-Tyr-Glu-Gln-Cys-Asn-Val-Asn-Lys-Val-Pro-Phe-Asp-Gln-Cys-Tyr-Gln-Met-Cys-Ser-Pro-Leu-Glu-Arg-Ser (Disulfide bridge: Cys9-Cys27; Cys13-Cys23)
<b>Sequence Shortening:</b>	ASPQQAKYCYEQCNVKNKVPFDQCYQMCSPLERS (Disulfide bridge: Cys9-Cys27; Cys13-Cys23)
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Wasabi Receptor Toxin (WaTx) active TRPA1 by prolonged channel openings and decreased Ca<sup>2+</sup> permeability. Wasabi Receptor Toxin can be used in the research of acute and persistent pain<sup>[1]</sup>.

### REFERENCES

[1]. John V Lin King, et al. A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. Cell. 2019, 178,6.

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

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