

## Pterinotoxin-2

<b>Cat. No.:</b>	HY-P5942
<b>Molecular Formula:</b>	C <sub>156</sub> H <sub>237</sub> N <sub>45</sub> O <sub>42</sub> S <sub>7</sub>
<b>Molecular Weight:</b>	3639.28
<b>Sequence:</b>	Tyr-Cys-Gln-Glu-Phe-Leu-Trp-Thr-Cys-Asp-Glu-Glu-Arg-Lys-Cys-Cys-Gly-Asp-Met-Val-Cys-Arg-Leu-Trp-Cys-Lys-Lys-Arg-Leu-NH <sub>2</sub> (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys25)
<b>Sequence Shortening:</b>	YQEFWLWCDEERKCCGDMVCRLWCKKRL-NH <sub>2</sub> (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys25)
<b>Target:</b>	Sodium 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

<b>Description</b>	Pterinotoxin-2 is a sodium channel inhibitor peptide toxin <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Nav1.3	Nav1.7

### REFERENCES

[1]. Marit Poffers, et al. Sodium Channel Nav1.3 Is Expressed by Polymorphonuclear Neutrophils during Mouse Heart and Kidney Ischemia InVivo and Regulates Adhesion, Transmigration, and Chemotaxis of Human and Mouse Neutrophils In Vitro. *Anesthesiology*. 2018 Jun;128(6):1151-1166.

**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