

## Pterinotoxin-1

Cat. No.:	HY-P5943
Molecular Formula:	C <sub>163</sub> H <sub>251</sub> N <sub>49</sub> O <sub>53</sub> S <sub>7</sub>
Molecular Weight:	3969.49
Sequence:	Asp-Asp-Cys-Leu-Gly-Met-Phe-Ser-Ser-Cys-Asp-Pro-Asp-Asn-Asp-Lys-Cys-Cys-Glu-Gly-Arg-Lys-Cys-Asn-Arg-Lys-Asp-Lys-Trp-Cys-Lys-Tyr-Val-Leu-NH <sub>2</sub> (Disulfide bridge: Cys3-Cys18,Cys10-Cys23,Cys17-Cys30)
Sequence Shortening:	DDCLGMFSSCDPDNDKCCEGRKCNRKDKWCKYVL-NH <sub>2</sub> (Disulfide bridge: Cys3-Cys18,Cys10-Cys23,Cys17-Cys30)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Pterinotoxin-1 is a sodium channel inhibitor peptide toxin <sup>[1]</sup> .		
IC <sub>50</sub> & Target	Nav1.3	Nav1.7	Nav1.8

### REFERENCES

[1]. Zhang Y Y, et al. Structural and functional diversity of peptide toxins from tarantula *Haplopelma hainanum* (*Ornithoctonus hainana*) venom revealed by transcriptomic, peptidomic, and patch clamp approaches[J]. *Journal of Biological Chemistry*, 2015, 290(22): 14192-14207.

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

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