

Purotoxin 1

Cat. No.:	HY-P1330
CAS No.:	1396322-38-5
Molecular Formula:	C ₁₅₅ H ₂₄₉ N ₅₁ O ₄₇ S ₈
Molecular Weight:	3835.47
Sequence:	Gly-Tyr-Cys-Ala-Glu-Lys-Gly-Ile-Arg-Cys-Asp-Asp-Ile-His-Cys-Cys-Thr-Gly-Leu-Lys-Cys-Lys-Cys-Asn-Ala-Ser-Gly-Tyr-Asn-Cys-Val-Cys-Arg-Lys-Lys-NH ₂ (Disulfide bridge: Cys3-Cys16, Cys10-Cys21, Cys15-Cys32, Cys23-Cys30)
Sequence Shortening:	GYCAEKGIRCDDIHCCTGLKCKCNASGYNCVCRKK-NH ₂ (Disulfide bridge: Cys3-Cys16, Cys10-Cys21, Cys15-Cys32, Cys23-Cys30)
Target:	P2X Receptor
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Purotoxin 1 is a P2X₃ receptor inhibitor. Purotoxin 1 shows antinociceptive properties in animal models of inflammatory pain. Purotoxin 1 can be isolated from the venom of the wolf spider *Geolycosa* sp^[1].

REFERENCES

[1]. Grishin EV, et al. Novel peptide from spider venom inhibits P2X₃ receptors and inflammatory pain. *Ann Neurol*. 2010 May;67(5):680-3.

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

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