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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HG1 Toxin

Cat. No.:	HY-P10572
Molecular Formula:	C ₃₃₇ H ₅₀₃ N ₁₀₃ O ₉₇ S ₆
Molecular Weight:	7741.62
Sequence:	Gly-His-His-Asn-Arg-Val-Asn-Cys-Leu-Leu-Pro-Pro-Lys-Thr-Gly-Pro-Cys-Lys-Gly-Ser-Phe-Ala-Arg-Tyr-Tyr-Phe-Asp-Ile-Glu-Thr-Gly-Ser-Cys-Lys-Ala-Phe-Ile-Tyr-Gly-Gly-Cys-Glu-Gly-Asn-Ser-Asn-{Asn(GlcNAc)}-Phe-Ser-Glu-Lys-His-His-Cys-Glu-Lys-Arg-Cys-Arg-Gly-Phe-Arg-Lys-Phe-Gly-Gly-Lys (disulfide bridge: Cys8-Cys58;Cys17-Cys54;Cys33-Cys41)
Sequence Shortening:	GHHNRVNCLLPKTPCKGFSFARYYFDIETGSCKAFIYGGCEGNSN-{Asn(GlcNAc)}-FSEKHHCEKRCRGRKFGGK (disulfide bridge: Cys8-Cys58;Cys17-Cys54;Cys33-Cys41)
Target:	Ser/Thr Protease; Potassium Channel
Pathway:	Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	HG1 Toxin is a peptide found in the venom of the scorpion <i>Heterometrus fulvipes</i> , which has the activity of inhibiting potassium channel Kv1.3. HG1 Toxin also has the activity of inhibiting trypsin ($K_i=107$ nM) and can be used in the study of autoimmune diseases ^[1] .
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REFERENCES

[1]. ZongYun Chen, et al. Hg1, novel peptide inhibitor specific for Kv1.3 channels from first scorpion Kunitz-type potassium channel toxin family. *Journal of biological chemistry* 287.17 (2012): 13813-13821.

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

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