

Muscarinic toxin 7

Cat. No.:	HY-P5175
Molecular Formula:	C ₃₂₂ H ₄₈₄ N ₉₀ O ₉₈ S ₉
Molecular Weight:	7472.42
Sequence:	Leu-Thr-Cys-Val-Lys-Ser-Asn-Ser-Ile-Trp-Phe-Pro-Thr-Ser-Glu-Asp-Cys-Pro-Asp-Gly-Gln-Asn-Leu-Cys-Phe-Lys-Arg-Trp-Gln-Tyr-Ile-Ser-Pro-Arg-Met-Tyr-Asp-Phe-Thr-Arg-Gly-Cys-Ala-Ala-Thr-Cys-Pro-Lys-Ala-Glu-Tyr-Arg-Asp-Val-Ile-Asn-Cys-Cys-Gly-Thr-Asp-Lys-Cys-Asn-Lys (Disulfide bridge: Cys3-Cys24; Cys17-Cys42; Cys46-Cys57; Cys58-Cys63)
Sequence Shortening:	LTCVKNSIWFPTSEDCPDGQNLCKFRWQYISPRMYDFTRGCAATCPKAEYRDVINCCGTDKCNK (Disulfide bridge: Cys3-Cys24; Cys17-Cys42; Cys46-Cys57; Cys58-Cys63)
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Muscarinic toxin 7 is a peptide toxin with selective and noncompetitive antagonism at the muscarinic M1 receptor ^[1] .
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REFERENCES

[1]. Olianas MC, et al. Inhibition of acetylcholine muscarinic M(1) receptor function by the M(1)-selective ligand muscarinic toxin 7 (MT-7). Br J Pharmacol. 2000 Oct;131(3):447-52.

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

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