

## MitTx-beta

Cat. No.:	HY-P5173
Molecular Formula:	C <sub>582</sub> H <sub>891</sub> N <sub>173</sub> O <sub>182</sub> S <sub>16</sub>
Molecular Weight:	13736.39
Sequence:	Asn-Leu-Asn-Gln-Phe-Arg-Leu-Met-Ile-Lys-Cys-Thr-Asn-Asp-Arg-Val-Trp-Ala-Asp-Phe-Val-Asp-Tyr-Gly-Cys-Tyr-Cys-Val-Ala-Arg-Asp-Ser-Asn-Thr-Pro-Val-Asp-Asp-Leu-Asp-Arg-Cys-Cys-Gln-Ala-Gln-Lys-Gln-Cys-Tyr-Asp-Glu-Ala-Val-Lys-Val-His-Gly-Cys-Lys-Pro-Leu-Val-Met-Phe-Tyr-Ser-Phe-Glu-Cys-Arg-Tyr-Leu-Ala-Ser-Asp-Leu-Asp-Cys-Ser-Gly-Asn-Asn-Thr-Lys-Cys-Arg-Asn-Phe-Val-Cys-Asn-Cys-Asp-Arg-Thr-Ala-Thr-Leu-Cys-Ile-Leu-Thr-Ala-Thr-Tyr-Asn-Arg-Asn-Asn-His-Lys-Ile-Asp-Pro-Ser-Arg-Cys-Gln (Disulfide bridge: Cys11-Cys70; Cys25-Cys118; Cys27-Cys43; Cys42-Cys100; Cys49-Cys93; Cys59-Cys86; Cys79-Cys91)
Sequence Shortening:	NLNQFRLMIKCTNDRVWADFVDYGCYCVARDSNTPVDDLDRCCQAQKQCYDEAVKVHGCKPLVMFYSECRYLASDLDCSGNNTKCRNFVCNCDRTATLCILTATYNRRNHKIDPSRCQ (Disulfide bridge: Cys11-Cys70; Cys25-Cys118; Cys27-Cys43; Cys42-Cys100; Cys49-Cys93; Cys59-Cys86; Cys79-Cys91)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

MitTx-beta is a peptide can be isolated from the venom of the Texas coral snake (*Micrurus tener tener*). MitTx-beta can form a complex with MitTx- $\alpha$ , MitTx. MitTx has ASIC1 channel activating activity on capsaicin-sensitive nerve fibers<sup>[1]</sup>.

### REFERENCES

[1]. Bohlen CJ, et al. A heteromeric Texas coral snake toxin targets acid-sensing ion channels to produce pain. *Nature*. 2011 Nov 16;479(7373):410-4.

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

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