

## MmTx2 toxin

Cat. No.:	HY-P5857
Molecular Formula:	C <sub>295</sub> H <sub>450</sub> N <sub>94</sub> O <sub>97</sub> S <sub>10</sub>
Molecular Weight:	7185.95
Sequence:	Leu-Thr-Cys-Lys-Thr-Cys-Pro-Phe-Thr-Thr-Cys-Pro-Asn-Ser-Glu-Ser-Cys-Pro-Gly-Gly-G In-Ser-Ile-Cys-Tyr-Gln-Arg-Lys-Trp-Glu-Glu-His-His-Gly-Glu-Arg-Ile-Glu-Arg-Arg-Cys-Va l-Ala-Asn-Cys-Pro-Ala-Phe-Gly-Ser-His-Asp-Thr-Ser-Leu-Leu-Cys-Cys-Thr-Arg-Asp-Asn- Cys-Asn (Disulfide bridge: Cys3-Cys24,Cys6-Cys11,Cys17-Cys41,Cys45-Cys57,Cys58-Cy s63)
Sequence Shortening:	LTCKTCPFTTCPNSESCPGGQSICYQRKWEHHGERIERRCVANCPAFGSHDTSLLCCTRDNC N (Disulfide bridge: Cys3-Cys24,Cys6-Cys11,Cys17-Cys41,Cys45-Cys57,Cys58-Cys63)
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

MmTx2 toxin is a GABA<sub>A</sub> receptor modulator that enhances GABA<sub>A</sub> receptor sensitivity to agonists. MmTx2 toxin can be obtained from venom of coral snake. MmTx2 toxin can be used in the study of neurological diseases such as epilepsy, schizophrenia and chronic pain<sup>[1]</sup>.

### REFERENCES

[1]. Rosso JP, et al. MmTX1 and MmTX2 from coral snake venom potently modulate GABA<sub>A</sub> receptor activity. Proc Natl Acad Sci U S A. 2015 Feb 24;112(8):E891-900.

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

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