

δ-Theraphotoxin-Hm1b

Cat. No.:	HY-P5781
Molecular Formula:	C ₁₆₉ H ₂₄₁ N ₄₅ O ₅₀ S ₆
Molecular Weight:	3895.38
Sequence:	Glu-Cys-Arg-Tyr-Leu-Phe-Gly-Gly-Cys-Lys-Thr-Thr-Ala-Asp-Cys-Cys-Lys-His-Leu-Gly-Cys-Arg-Thr-Asp-Leu-Tyr-Tyr-Cys-Ala-Trp-Asp-Gly-Thr-Phe (Disulfide bridge:Cys2-Cys16;Cys9-Cys21;Cys15-Cys28)
Sequence Shortening:	ECRYLFGGCKTTADCKHLGCRTDLYCAWDGTF (Disulfide bridge:Cys2-Cys16;Cys9-Cys21;Cys15-Cys28)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

δ-Theraphotoxin-Hm1b is a 42-amino acid peptide isolated from Togo starburst tarantula (*Heteroscodra maculata*) venom. δ-Theraphotoxin-Hm1b selectively inhibits inactivation of NaV1.1 but have no effect on NaV1.7^[1].

REFERENCES

[1]. Alexander Mueller, et al. Mapping the Molecular Surface of the Analgesic NaV1.7-Selective Peptide Pn3a Reveals Residues Essential for Membrane and Channel Interactions. *ACS Pharmacol Transl Sci.* 2020 Feb 19;3(3):535-546.

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

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