

δ-Theraphotoxin-Hm1a toxin

Cat. No.:	HY-P5782
Molecular Formula:	C ₁₇₀ H ₂₄₀ N ₄₈ O ₅₃ S ₆
Molecular Weight:	3996.4
Sequence:	Glu-Cys-Arg-Tyr-Leu-Phe-Gly-Gly-Cys-Ser-Ser-Thr-Ser-Asp-Cys-Cys-Lys-His-Leu-Ser-Cys-Arg-Ser-Asp-Trp-Lys-Tyr-Cys-Ala-Trp-Asp-Gly-Thr-Phe-Ser-NH ₂ (Disulfide bridge:Cys2-Cys16;Cys9-Cys21;Cys15-Cys28)
Sequence Shortening:	ECRYLFGGCSSTSDCCCKHLSCRSDWKYCAWDGTFS-NH ₂ (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-Hm1a toxin is a selective Na _v 1.1 activator. δ-Theraphotoxin-Hm1a toxin elicits pain and touch sensitivity. δ-Theraphotoxin-Hm1a toxin can be used for the research of irritable bowel syndrome ^[1] .
IC ₅₀ & Target	Na _v 1.1 ^[1]

REFERENCES

[1]. Osteen JD, et al. Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature. 2016 Jun 23;534(7608):494-9.

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

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