Hm1a

Cat. No.:	HY-P5183
Molecular Formula:	$C_{170}H_{239}N_{47}O_{54}S_6$
Molecular Weight:	3997.39
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 (Disulfide bridge: Cys2-Cys16; Cys9-Cys21; Cys15-Cys28)
Sequence Shortening:	ECRYLFGGCSSTSDCCKHLSCRSDWKYCAWDGTFS (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	Hm1a is a disulfide-rich spider-venom peptide, and a NaV1.1 activator. Hm1a restores the function of inhibitory interneurons in Dravet syndrome (DS) mouse model[1].

REFERENCES

[1]. Chow CY, et al. A selective NaV1.1 activator with potential for treatment of Dravet syndrome epilepsy. Biochem Pharmacol. 2020 Nov;181:113991.

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