

Phlo1a

Cat. No.:	HY-P5801
Molecular Formula:	C ₁₇₈ H ₂₆₂ N ₅₂ O ₄₉ S ₆
Molecular Weight:	4106.69
Sequence:	Ala-Cys-Arg-Glu-Leu-Leu-Gly-Gly-Cys-Ser-Lys-Asp-Ser-Asp-Cys-Cys-Ala-His-Leu-Glu-Cys-Arg-Lys-Lys-Trp-Pro-Tyr-His-Cys-Val-Trp-Asp-Trp-Thr-Ile-NH ₂ (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys29)
Sequence Shortening:	ACRELLGGCSKDSDCCAHLECRKKWPYHCVWDWTI-NH ₂ (Disulfide bridge: Cys2-Cys16,Cys9-Cys21,Cys15-Cys29)
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	Phlo1a (μ -TrTx-Phlo1a) is a peptide toxin contains 35-amino acid residues. Phlo1b is a selective Nav1.7 inhibitor. Phlo1a has a weak inhibitory effect on Nav1.2 and Nav1.5 ^[1] .
IC₅₀ & Target	Nav1.7

REFERENCES

[1]. Ying Wu, et al. Selective Voltage-Gated Sodium Channel Peptide Toxins from Animal Venom: Pharmacological Probes and Analgesic Drug Development. ACS Chem Neurosci. 2018 Feb 21;9(2):187-197.

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

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