

Mambalgin-2

Cat. No.:	HY-P5863
Molecular Formula:	C ₂₇₂ H ₄₃₁ N ₈₅ O ₈₃ S ₁₀
Molecular Weight:	6540.5
Sequence:	Leu-Lys-Cys-Phe-Gln-His-Gly-Lys-Val-Val-Thr-Cys-His-Arg-Asp-Met-Lys-Phe-Cys-Tyr-His-Asn-Thr-Gly-Met-Pro-Phe-Arg-Asn-Leu-Lys-Leu-Ile-Leu-Gln-Gly-Cys-Ser-Ser-Ser-Cys-Ser-Glu-Thr-Glu-Asn-Asn-Lys-Cys-Cys-Ser-Thr-Asp-Arg-Cys-Asn-Lys (Disulfide bridge: Cys3-Cys19,Cys41-Cys49,Cys50-Cys55)
Sequence Shortening:	LKCFQHGKVVTCRDMKFCYHNTGMPFRNLKILQGCSSSCSETENKCCSTDRCNK (Disulfide bridge: Cys3-Cys19,Cys41-Cys49,Cys50-Cys55)
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	Mambalgin-2 (Mamb-2) is an acid-sensitive ion channels (ASICs) inhibitor and a venom peptide. Mambalgin-2 can be obtained from the venom of the African black mamba. Mambalgin-2 can be used in the study of pain and neurological diseases ^[1] .
IC ₅₀ & Target	ASICs ^[1] .

REFERENCES

[1]. Salinas M, et al. Binding site and inhibitory mechanism of the mambalgin-2 pain-relieving peptide on acid-sensing ion channel 1a. J Biol Chem. 2014 May 9;289(19):13363-73.

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

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