

Mambalgin-3

Cat. No.:	HY-P5899
Molecular Formula:	C ₂₇₄ H ₄₃₃ N ₈₅ O ₈₃ S ₁₀
Molecular Weight:	6566.54
Sequence:	Leu-Lys-Cys-Tyr-Gln-His-Gly-Lys-Val-Val-Thr-Cys-His-Arg-Asp-Met-Lys-Phe-Cys-Tyr-His-Asn-Ile-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,Cys12-Cys37,Cys41-Cys49,Cys50-Cys55)
Sequence Shortening:	LKCYQH GKVW TCHRDMKFCYHNIGMPFRNLKLILQGCSSSCSETENNKCCSTDR CNK (Disulfide bridge: Cys3-Cys19,Cys12-Cys37,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-3 is an acid-sensitive ion channel 1 (ASIC1) inhibitor. Mambalgin-3 can be used in the study of analgesia ^[1] .
IC ₅₀ & Target	ASIC1 ^[1] .

REFERENCES

[1]. Cristofori-Armstrong B, et al. Mambalgin-3 potentiates human acid-sensing ion channel 1b under mild to moderate acidosis: Implications as an analgesic lead. Proc Natl Acad Sci U S A. 2021 Feb 23;118(8):e2021581118.

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

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