

NMB-1

Cat. No.:	HY-P5163
CAS No.:	2843557-76-4
Molecular Formula:	C ₁₁₁ H ₁₆₄ N ₃₆ O ₂₁ S ₄
Molecular Weight:	2466.98
Sequence:	Phe-Asn-Trp-Arg-Cys-Cys-Leu-Ile-Pro-Cys-Arg-Arg-Asn-His-Lys-Lys-Phe-Phe-Cys-NH ₂ (Disulfide bridge: Cys5-Cys19, Cys6-Cys10)
Sequence Shortening:	FNWRCCLIPCRRNHKKFFC-NH ₂ (Disulfide bridge: Cys5-Cys19, Cys6-Cys10)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	NMB-1 is a conopeptide analogue. NMB-1 selectively inhibits sustained mechanically activated currents in sensory neurons (IC ₅₀ : 1 μM). NMB-1 inhibits mechanical pain. NMB-1 can be used for research of hearing and pressure-evoked pain ^{[1][2]} .
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REFERENCES

- [1]. Drew LJ, et al. High-threshold mechanosensitive ion channels blocked by a novel conopeptide mediate pressure-evoked pain. PLoS One. 2007 Jun 13;2(6):e515.
- [2]. Raouf R, et al. Inhibition of somatosensory mechanotransduction by annexin A6. Sci Signal. 2018 Jun 19;11(535):eaao2060.

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

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