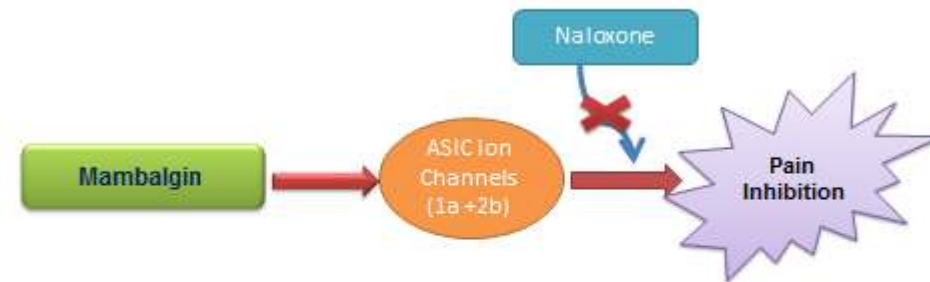


**PRODUCT: Mambalgin-1****CATALOG #:** 2421-50,100**AMOUNT:** 50 µg, 100 µg**PEPTIDE SEQUENCE:** H-Leu- Lys- Cys- Tyr- Gln- His- Gly- Lys- Val- Val- Thr- Cys- His- Arg- Asp- Met- Lys- Phe- Cys- Tyr- His- Asn- Thr- Gly- Met- Pro- Phe- Arg- Asn- Leu- Lys- Leu- Ile- Leu- Gln- Gly- Cys- Ser- Ser- Ser- Cys- Ser- Glu- Thr- Glu- Asn- Asn- Lys- Cys- Cys- Ser- Thr- Asp- Arg- Cys- Asn- Lys-OH (disulfide bonds between Cys<sup>3</sup> - Cys<sup>19</sup>, Cys<sup>12</sup> - Cys<sup>37</sup>, Cys<sup>41</sup> - Cys<sup>49</sup> and Cys<sup>50</sup> - Cys<sup>55</sup>)**MOLECULAR FORMULA:** C<sub>272</sub>H<sub>429</sub>N<sub>85</sub>O<sub>84</sub>S<sub>10</sub>**MOLECULAR WEIGHT:** 6554.61**APPEARANCE:** Lyophilized solid**SOLUBILITY:** H<sub>2</sub>O**PURITY:** ≥90% by HPLC**STORAGE:** At -20° C. Protect from air and moisture**DESCRIPTION:** Mambalgin-1 is a peptide toxin originally isolated from the venom of Black Mamba (*Dendroaspis polylepis polylepis*). Acts as an analgesic. Mambalgin-1 is able to abolish pain through inhibition of acid-sensing ion channels (ASICs) expressed either in central or peripheral neurons.**REFERENCE:** Diochot, S., *et al.* (2012). *Nature* 490, 552-555.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS**

Aconitine (Cat. No. 2423-10, 50)

Veratridine (Cat. No. 2422-5, 25)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**