

Synthetic Eledoisi

Catalog No.	CRE108A	Quantity:	5 mg
	CRE108B		20 mg
	CRE108C		100 mg

Description: Eledoisin is an undecapeptide formed in the venom gland of several species of octopi and is used as a vasodilator and a contraction agent of extravascular smooth muscle. Eledoisin's molecular weight is 1188.4 having an amino acid sequence of Glp-Pro-Ser-Lys-Asp-Ala-Phe-Ile-Gly-Leu-Met-NH₂ and a molecular formula of C₅₄H₈₅N₁₃O₁₅S.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation: The protein (1mg/ml) was lyophilized with no additives.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Reconstitution: It is recommended to reconstitute the lyophilized Eledoisin in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized Eledoisin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Eledoisin should be stored at 4°C between 2-7 days and for future use below -18°C.

Avoid repeated freeze-thaw cycles. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.

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