ALPHA DIAGNOSTIC INTERNATIONAL

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Product Data Sheet

Cat # RP-1529	Eledoisin	**Size**: 5 ug	20 ug

Description:
A protein that is formed in the venom gland of several species of octopuses and is used as a vasodilator and a contraction agent of extra vascular smooth muscle Its 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 & Packaging: The protein (1mg/ml) was lyophilized with no additives.
Solubility:
It is recommended to reconstitute the lyophilized Eledoisin in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Purity:
Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Anion-exchange FPLC.(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
Dimers and aggregates: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

Usage:
This item is for LABORATORY ESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

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