



## Product Datasheet

**Product Name**      Eledoisin  
**Cata No**              CB500902  
**Source**  
**Synonyms**

### Description

Eledoisin is an undecapeptide formed in the venom gland of several species of octopuses 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 GIp-Pro-Ser-Lys-Asp-Ala-Phe-Ile-Gly-Leu-Met-NH<sub>2</sub> and a molecular formula of C<sub>54</sub>H<sub>85</sub>N<sub>13</sub>O<sub>15</sub>S.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Purity

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

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

### Reconstitution

It is recommended to reconstitute the lyophilized Eledoisin in sterile 18MΩ-cm H<sub>2</sub>O 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.**