

Elcatonin

CATALOG #:	4006-200	200 µg
LOT #:	_____	
SOURCE:	Synthetic	
PURITY:	>94 % by SDS-PAGE and RP-HPLC analyses	
FORM:	Sterile filtered and lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile dW to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 2-7 days and at -20 °C for future use.

STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated at -20 °C. Reconstituted Elcatonin should be stored in working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Prevent freeze/thaw cycles

DESCRIPTION:

Elcatonin is a Calcitonin derivative which is transformed from eel's calcitonin by changing the S-S bond into the stable C-N bond. It inhibits the absorption and autolysis of bones, thus leads to blood calcium descending. In addition, it inhibits the bone salts dissolving and transferring and promotes the excretion of calcium and phosphorus in urine. Meanwhile, it inhibits renal tubules reabsorbing calcium, phosphorus and sodium and keeps blood calcium at normal level. It is mainly used for remitting or eliminating the pain caused by Osteoporosis. Elcatonin synthetic is a single, non-glycosylated polypeptide chain containing 31 amino acids.

AMINO ACID SEQUENCE: (MW3363.2 Daltons; C₁₄₈H₂₄₄N₄₂O₄₇)

Ser-Asn-Leu-Ser-Thr-Asu-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-Val-Gly-Ala-Gly-Thr-Pro-NH₂.

BIOLOGICAL ACTIVITY:

Biological Activity (based on net peptide) was found to be 6065 IU/mg

FOR RESEARCH USE ONLY! Not to be used in humans

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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