

C-Type Natriuretic Peptide [1-22]

Subcategory: Synthetic Peptide

Cat. No.: 350143

Unit: 1 mg

Description:

C-type natriuretic peptide (CNP-22) is found in plasma and cerebrospinal fluid. CNP-22 is an agonist for the natriuretic peptide receptor NPR2 (NPRB) and has affinity for NPR3 (NPRC3). CNP-22 inhibits L-type calcium currents in myocytes and has antiproliferative effects in cardiac fibroblasts in vitro. It regulates cartilage homeostasis, body fluid volume and has vasodilatory activity in vivo. This peptide corresponds to the CNP-22 domain found in human, mouse, rat, bovine, pig and other mammals.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: C-type natriuretic peptide; CNP-22; NPPC; CNP2

Accession No.: P23582

MW: 2197.64 g/mol

Sequence: Human: H-Gly-Leu-Ser-Lys-Gly-Cys-Phe-Gly-Leu-Lys-Leu-Asp-Arg-Ile-Gly-Ser-Met-Ser-Gly-Leu-Gly-Cys-OH (Cys6-Cys22) or H-GLSKGCFGLKLDRIQSMSGLGC-OH (Cys6-Cys22)

Composition: C93H157N27O28S3

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.