

**ANP [1-11] Peptide (Rat)****Subcategory:** Synthetic Peptide**Cat. No.:** 350061**Unit:** 1 mg**Description:**

Atrial natriuretic peptide (ANP) is a 28-aa peptide including a disulfide bond (Cys7-Cys23). ANP [1-11] Peptide corresponds to the first 11-aa of the rat ANP sequence. ANP is a potent vasoactive substance secreted by heart muscle cells. ANP is involved in the homeostatic control of body water, sodium, potassium and fat tissue resulting in reducing blood pressure. ANP is expressed as a 151-aa precursor form, later released as the 28-aa C-term mature form upon cell stimulation. ANP is used as a biomarker for cardiovascular diseases.

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

**Alternate Names:** Atrial natriuretic factor; ANF; atrial natriuretic peptide; ANP; atrial natriuretic hormone; ANH; cardionatine; cardiodilatin; CDD; atriopeptin; prepronatriodilatin; Nppa

**Accession No.:** P01161**MW:** 1224.4 g/mol**Sequence:** Rat: H-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-OH or H-SLRRSSCFGGR-OH**Composition:** C49H83N20O15S1**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.