

Rev01
Update: Dec,28,2022

DATASHEET

Atrial Natriuretic Peptide (ANP) (1-28), rat

Cat. No.: RP11195

Overview

Synonyms	ANP(1-28), ratANP (1-28)
Description	Atrial natriuretic peptide (ANP) is synthesized in myoendocrine cells of the heart from which it is released into the circulation. Atrial natriuretic peptide (ANP) exerts natriuretic, diuretic, and vasodilatory effects through stimulation of guanylate cyclase-linked NPR-A receptors. Atrial natriuretic peptide (ANP) plays an important role in blood volume and blood pressure homeostasis.
Cas No	88898-17-3
Sequence	{SER}{LEU}{ARG}{ARG}{SER}{SER}{CYS}{PHE}{GLY}{GLY}{ARG}{ILE}{ASP}{ARG}{ILE}{GLY}{ALA}{GLN}{SER}{GLY}{LEU}{GLY}{CYS}{ASN}{SER}{PHE}{ARG}{TYR}
Sequence Shortening	SLRRSSCFGGRIDRIGAQSGLGCNSFRY (Disulfide bridge: 7-23)
Molecular Formula	C ₁₂₈ H ₂₀₅ N ₄₅ O ₃₉ S ₂
Disulfide Bridge	Cys7-Cys23
Molecular Weight	3062.5

Properties

Purity	> 95%
Solubility	Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.
Form	Lyophilized
Storage	Store at -20°C.