

Rev01
Update: Dec,28,2022

DATASHEET

Brain Natriuretic Peptide (BNP) (1-32), rat

Cat. No.: RP11121CN

Overview

Synonyms	BNP (1-32), rat
Description	Brain natriuretic peptide (type B natriuretic peptide) was originally isolated from brain, but is mainly produced in myoendocrine cells of the heart ventricles from which it is released into the circulation. BNP is involved in blood pressure control and cardiovascular homeostasis.
Cas No	133448-20-1
Sequence	{ASN}{SER}{LYS}{MET}{ALA}{HIS}{SER}{SER}{SER}{CYS}{PHE}{GLY}{GLN}{LYS}{ILE}{ASP}{ARG}{ILE}{GLY}{ALA}{VAL}{SER}{ARG}{LEU}{GLY}{CYS}{ASP}{GLY}{LEU}{ARG}{LEU}{PHE}
Sequence Shortening	NSKMAHSSSCFGQKIDRIGAVSRLGCDGLRLF
Molecular Formula	C ₁₄₆ H ₂₃₉ N ₄₇ O ₄₄ S ₃
Disulfide Bridge	Cys10-Cys26
Molecular Weight	3452.94

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. Keep tightly closed.