

Rev03
Update: Feb,10,2022

DATASHEET

Neuropeptide FF Morphine Modulating Neuropeptide

Cat. No.: RP10470

Overview

Synonyms	NPFF
Description	Neuropeptide FF (and neuropeptide AF, which is also derived from the same precursor) belongs to a family of neuropeptides containing an RF-amide motif at their C-terminus. Neuropeptide FF (NPFF) is found at high concentrations in the posterior pituitary, spinal cord, hypothalamus and medulla and is believed to be involved in pain modulation, opioid tolerance, cardiovascular regulation, memory and neuroendocrine regulation.
Sequence	{PHE}{LEU}{PHE}{GLN}{PRO}{GLN}{ARG}{PHE}-NH ₂
Sequence Shortening	FLFQPQRF-NH ₂
Molecular Formula	C ₅₄ H ₇₆ N ₁₄ O ₁₀
C Terminal	NH ₂
Molecular Weight	1081.3

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	Before using, store the peptide in the DRY form at 0-5°C. For best and repeatable results, rehydrate the peptide immediately before using. Do not re-freeze any unused portions.
Note	May act as a paracrine/endocrine mediator in the neurohypophysis. Inhibits the effects of both endogenous and exogenous opiates.

Examples

