



## Product Information

**Product ID** N1984

**CAS No.** 99566-27-5

**Chemical Name**

**Synonym** NPFF, Octapeptide F8FA, F-8-F-NH<sub>2</sub>, Neuro FF Morphine Modulating Neuro F-8-F-NH<sub>2</sub>.

**Formula** C<sub>54</sub>H<sub>76</sub>N<sub>14</sub>O<sub>10</sub>

**Formula Wt.** 1081.3

**Melting Point**

**Purity** ≥95%

**Solubility** Soluble in water (0.5 mg/mL).

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Neuropeptide FF is an endogenous RF amide family peptide that exhibits anti-inflammatory and anti-analgesic activities. Neuropeptide FF binds NPFF1/2 receptors in the brain, regulating blood pressure and hormone secretion. In LPS-stimulated macrophages, neuropeptide FF decreases NO production and inhibits NF-κB translocation; in animal models, it suppresses carrageenan-induced edema. Additionally, neuropeptide FF inhibits opioid-induced stress-mediated analgesia in the forced swim test, displaying anti-opioid activity.

Phe-Leu-Phe-Gln-Pro-Gln-Arg-Phe-NH<sub>2</sub>

**Bulk quantities available upon request**

Product ID	Size
N1984	5 mg
N1984	10 mg
N1984	25 mg

**References** Sun YL, Zhang XY, Sun T, et al. The anti-inflammatory potential of neuropeptide FF in vitro and in vivo. *Peptides*. 2013 Sep;47:124-32. PMID: 23856454.

Jhamandas JH, Goncharuk V. Role of neuropeptide FF in central cardiovascular and neuroendocrine regulation. *Front Endocrinol (Lausanne)*. 2013 Feb 7;4:8. PMID: 23404625.

Li N, Han ZL, Fang Q, et al. Neuropeptide FF and related peptides attenuates warm-, but not cold-water swim stress-induced analgesia in mice. *Behav Brain Res*. 2012 Aug 1;233(2):428-33. PMID: 22659392.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.