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Product Information

pGlu-Leu-Tyr-Glu-Asn-Lys-Pro-Arg-Arg-Pro-Tyr-Ile-Leu

Bulk quanitites available upon request

1 mg

2 mq

5 mg

Product ID Size

N1989

N1989

N1989

Product ID N1989 CAS No. 39379-15-2 Chemical Name

Synonym

Formula C₇₈H₁₂₂N₂₁O₂₀ Formula Wt. 1672.9 Melting Point Purity ≥95% Solubility Soluble in water (0.7

mg/mL).

Store Temp -20°C

Ship Temp Ambient

Description Neurotensin is an endogenous tridecapeptide that exhibits antinociceptive, pro-inflammatory, and gastrointestinal motility modulating activities; it binds and activates neurotensin (NTS) receptors. Neurotensin induces contractions in smooth muscle cells, playing a role in regulating digestive activity in vitro and in vivo. Additionally, neurotensin induces intracellular Ca2+ release, activating non-selective cation channels and altering pacemaker currents involved in gastrointestinal and colonic motility. In animal models, neurotensin displays sympatho-inhibitory activity, decreases blood pressure and heart rate. Neurotensin exerts its actions through activation of neurotensin receptors; activation of these receptors also stimulates orexin neurons, suggesting a role for neurotensin in mediation of reward, feeding, and wakefulness.

References Kleczkowska P, Lipkowski AW. Neurotensin and neurotensin receptors: characteristic, structure-activity relationship and pain modulation--a review. Eur J Pharmacol. 2013 Sep 15;716(1-3):54-60. PMID: 23500196.

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