



LKT Laboratories, Inc.

Neuromedin B, pig

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Product Information

Product ID N1980

CAS No. 87096-84-2

Chemical Name 1-glycine-2-L-asparagine-3-L-leucine-4-de-L-glutamine-7-L-threonine-Ranatensin

Synonym

Formula C₅₂H₇₃N₁₅O₁₂S

Formula Wt. 1132.3

Melting Point

Purity ≥95%

Solubility Soluble in water (1 mg/mL).

Store Temp -20°C

Ship Temp Ambient

Description Neuromedin B is an endogenous bombesin-related peptide that binds BB receptors, displaying the greatest affinity for the BB1 receptor. Neuromedin B exhibits anorexigenic and cardiomodulatory activities, decreasing food intake, inducing bradycardia, and slowing gastric emptying in vivo. Neuromedin B also activates ERK1/2 signaling, increasing osteoblast proliferation and bone formation. Additionally, neuromedin B increases secretion of luteinizing hormone (LH) and gonadotropin-releasing hormone (GnRH) in vitro and in vivo.

Gly-Asn-Leu-Trp-Ala-Thr-Gly-His-Phe-Met-NH₂

Bulk quantities available upon request

Product ID	Size
N1980	1 mg
N1980	2 mg
N1980	5 mg

References Boughton CK, Patel SA, Thompson EL, et al. Neuromedin B stimulates the hypothalamic-pituitary-gonadal axis in male rats. *Regul Pept.* 2013 Nov 10;187:6-11. PMID: 24120470.

Saito H, Nakamachi T, Inoue K, et al. Autocrine effects of neuromedin B stimulate the proliferation of rat primary osteoblasts. *J Endocrinol.* 2013 Apr 15;217(2):141-50. PMID: 23428580.

Sayegh AI. The role of bombesin and bombesin-related peptides in the short-term control of food intake. *Prog Mol Biol Transl Sci.* 2013;114:343-70. PMID: 23317790.

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