



LKT Laboratories, Inc.

Urocortin II, mouse

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Product Information

Product ID U6858

CAS No. 330648-32-3

Chemical Name

Synonym

Formula $C_{187}H_{320}N_{56}O_{50}$

Formula Wt. 4152.98

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (1 mg/mL).

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description

Urocortin II is an endogenous peptide ligand and member of the corticotropin-releasing factor (CRF) family; it binds and activates CRF type 2 receptors. Like other urocortins, urocortin II modulates stress responses and exhibits anorexigenic, anxiogenic, anxiolytic, and positive inotropic effects (including increases in coronary blood flow and cardiac output) across a wide variety of in vivo models. Urocortin II modulates Ca^{2+} homeostasis in cellular models. Additionally, urocortin II induces depolarization of pathogen cell membranes, exhibiting antibacterial activity.

H-Val-Ile-Leu-Ser-Leu-Asp-Val-Pro-Ile-Gly-Leu-Leu-Arg-Ile-Leu-Leu-Glu-Gln-Ala-Arg-Tyr-Lys-Ala-Ala-Arg-Asn-Gln-Ala-Ala-Thr-Asn-Ala-Gln-Ile-Leu-Ala-His-Val-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
U6858	0.5 mg	\$257.30
U6858	1 mg	\$453.60
U6858	2.5 mg	\$907.20

References

Campos-Salinas J, Caro M, Cavazzuti A, et al. Protective Role of the Neuropeptide Urocortin II against Experimental Sepsis and Leishmaniasis by Direct Killing of Pathogens. *J Immunol.* 2013 Dec 15;191(12):6040-51. PMID: 24249730.

Grossini E, Caimmi PP, Molinari C, et al. Modulation of calcium movements by urocortin II in endothelial cells. *Cell Physiol Biochem.* 2010;25(2-3):221-32. PMID: 20110683.

Grossini E, Molinari C, Mary DA, et al. The effect of urocortin II administration on the coronary circulation and cardiac function in the anaesthetized pig is nitric-oxide-dependent. *Eur J Pharmacol.* 2008 Jan 14;578(2-3):242-8. PMID: 17936748.

Takahashi K, Totsune K, Murakami O, et al. Urocortins as cardiovascular peptides. *Peptides.* 2004 Oct;25(10):1723-31. PMID: 15476939.

Suda T, Kageyama K, Sakihara S, et al. Physiological roles of urocortins, human homologues of fish urotensin I, and their receptors. *Peptides.* 2004 Oct;25(10):1689-701. PMID: 15476936.

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