



LKT Laboratories, Inc.

Urocortin, rat

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Product Information

Product ID U6855

CAS No. 171543-83-2

Chemical Name

Synonym

Formula $C_{206}H_{338}N_{62}O_{64}$

Formula Wt. 4707.37

Melting Point

Purity $\geq 95\%$

Solubility Soluble in 1% acetic acid (1 mg/mL), water (1 mg/mL), DMSO.

Store Temp -20°C

Ship Temp Ambient

Description Urocortin is an endogenous peptide ligand and member of the corticotropin-releasing factor (CRF) family; it binds and activates CRF type 1 and 2 receptors. Urocortin modulates stress responses and exhibits anorexigenic, anxiogenic, and positive inotropic effects across a wide variety of in vivo models. Urocortin is primarily expressed in the heart. Urocortin exerts many effects on signaling of the hypothalamic-pituitary-adrenal (HPA) axis, including increasing corticosterone and adrenocorticotrophic hormone (corticotropin) levels.

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

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
U6855	0.5 mg	\$257.30
U6855	1 mg	\$477.80
U6855	2.5 mg	\$945.10

References Bagosi Z, Csabafi K, Palotai M, et al. The effect of urocortin I on the hypothalamic ACTH secretagogues and its impact on the hypothalamic-pituitary-adrenal axis. *Neuropeptides*. 2013 Nov 21. pii: S0143-4179(13)00100-5. PMID: 24331779.

Dono LM, Currie PJ. The cannabinoid receptor CB1 inverse agonist AM251 potentiates the anxiogenic activity of urocortin I in the basolateral amygdala. *Neuropharmacology*. 2012 Jan;62(1):192-9. PMID: 21736884.

Currie PJ, Coiro CD, Duenas R, et al. Urocortin I inhibits the effects of ghrelin and neuropeptide Y on feeding and energy substrate utilization. *Brain Res*. 2011 Apr 18;1385:127-34. PMID: 21303672.

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.