



# LKT Laboratories, Inc.

## Urocortin III, mouse

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### Product Information

Product ID U6860

CAS No.

Chemical Name

Synonym

Formula  $C_{186}H_{312}N_{52}O_{52}S_2$

Formula Wt. 4173.01

Melting Point

Purity  $\geq 95\%$

Solubility Insoluble in water. Soluble  
in DMSO.

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

Ship Temp Ambient

**Description** Urocortin III is an endogenous peptide ligand and member of the corticotropin-releasing factor (CRF) family; it binds and activates CRF type 2 receptors. Urocortin III is expressed primarily in brain regions such as the hypothalamus (specifically the pituitary gland), but is also present in heart, kidney (adrenal glands), and gastrointestinal tissues. Urocortin III modulates stress responses and exhibits anorexigenic, anxiogenic, anxiolytic, and positive inotropic effects across a wide variety of in vivo models.

H-Phe-Thr-Leu-Ser-Leu-Asp-  
Val-Pro-Thr-Asn-Ile-Met-Asn-  
Ile-Leu-Phe-Asn-Ile-Asp-Lys-  
Ala-Lys-Asn-Leu-Arg-Ala-Lys-  
Ala-Ala-Ala-Asn-Ala-Gln-Leu-  
Met-Ala-Gln-Ile-NH<sub>2</sub>

### Pricing and Availability

*Bulk quantities available upon request*

| Product ID | Size   | List Price |
|------------|--------|------------|
| U6860      | 0.5 mg | \$257.30   |
| U6860      | 1 mg   | \$453.60   |
| U6860      | 2.5 mg | \$907.20   |

**References** Bagosi Z, Csabafi K, Palotai M, et al. The interaction of Urocortin II and Urocortin III with amygdalar and hypothalamic corticotropin-releasing factor (CRF)--reflections on the regulation of the hypothalamic-pituitary-adrenal (HPA) axis. *Neuropeptides*. 2013 Oct;47(5):333-8. PMID: 23932308.

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.