



LKT Laboratories, Inc.

Stresscopin-Related Peptide, human

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Product Information

Product ID S7872

CAS No. 348626-74-4

Chemical Name

Synonym SRP

Formula $C_{205}H_{358}N_{68}O_{57}$

Formula Wt. 4687.56

Melting Point

Purity $\geq 95\%$

Solubility

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

Ship Temp Ambient

Description

Stresscopin-related peptide is a 5-amino acid extension of urocortin II that includes a preceding H-P-G-S-R tag. Like urocortin II, stresscopin-related peptide is a member of the corticotropin-releasing factor (CRF) family that binds to the CRF type 2 receptor (CRFR2). Stresscopin-related peptide signaling results in suppression of food intake, delay of gastric emptying, hypotension/hypertension (depending on the model), and tachycardia. Stresscopin-related peptide and its analog urocortin II modulate stress responses and exhibits anorexigenic, anxiogenic, anxiolytic, and generally positive inotropic effects (such as increases in coronary blood flow and cardiac output) across a wide variety of in vivo models.

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

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S7872	0.5 mg	\$286.70
S7872	1 mg	\$510.30
S7872	2.5 mg	\$945.10

References

Jin R, Li MZ, Bing YH, et al. Intracerebroventricular injection of stresscopin-related peptide enhances cardiovascular function in conscious rats. *Regul Pept.* 2013 Sep 10;186:7-11. PMID: 23850799.

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.