LKT Laboratories, Inc.

# Sauvagine

*Phone:* 888-558-5227
651-644-8424
*Fax:* 888-558-7329
*Email:* getinfo@lktlabs.com
*Web:* lktlabs.com

## Product Information

**Product ID** S0381
**CAS No.** 74434-59-6
**Chemical Name**

**Synonym** Sauvagin

**Formula** $C_{202}H_{347}N_{56}O_{63}S$
**Formula Wt.** 4599.4
**Melting Point**
**Purity** ≥98%
**Solubility** Soluble in water.

pGlu-Gly-Pro-Pro-Ile-Ser-Ile-Asp-Leu-Ser-Leu-Glu-Leu-Leu-Arg-Lys-Met-Ile-Glu-Ile-Glu-Lys-Gln-Glu-Lys-Glu-Lys-Gln-Gln-Ala-Ala-Asn-Asn-Arg-Leu-Leu-Leu-Asp-Thr-Ile-$NH_2$

***Bulk quanitites available upon request***

| Product ID | Size |
|---|---|
| S0381 | 0.5 mg |
| S0381 | 1 mg |
| S0381 | 2.5 mg |

**Store Temp** -20°C
**Ship Temp** Ambient
**Description** Sauvagine is a corticotropin-releasing factor (CRF)-family peptide found in amphibians; it exhibits diuretic, vasodilatory, and neuromodulatory activities and is involved in growth, stress, anxiety, and many other hormonal signaling pathways. Sauvagine induces vasodilation in rat thoracic aortas, potentially through prolonged activation of NOS. Additionally, sauvagine increases striatal tyrosine hydroxylase activity in a Ca2+-dependent manner.

**References**

Lovejoy DA, Balment RJ. Evolution and physiology of the corticotropin-releasing factor (CRF) family of neuropeptides in vertebrates. Gen Comp Endocrinol. 1999 Jul;115(1):1-22. PMID: 10375459.

Barker DM, Corder R. Studies of the role of endothelium-dependent nitric oxide release in the sustained vasodilator effects of corticotrophin releasing factor and sauvagine. Br J Pharmacol. 1999 Jan;126(1):317-25. PMID: 10051151.

Onali P, Olianas MC. CRF-like effects of sauvagine and urotensin I on synaptosomal tyrosine hydroxylase activity of mouse striatum. Brain Res. 1990 Sep 3;526(2):181-5. PMID: 1979515.