



LKT Laboratories, Inc.

## Helospectin I

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### Product Information

**Product ID** H1645

**CAS No.** 93438-37-0

**Chemical Name**

**Synonym** Exendin 1

**Formula** C<sub>183</sub>H<sub>293</sub>N<sub>47</sub>O<sub>59</sub>

**Formula Wt.** 4095.66

**Melting Point**

**Purity** ≥95%

**Solubility** Soluble in water.

H-His-Ser-Asp-Ala-Thr-Phe-Thr-  
Ala-Glu-Tyr-Ser-Lys-Leu-Leu-Ala-  
Lys-Leu-Ala-Leu-Gln-Lys-Tyr-Leu-  
Glu-Ser-Ile-Leu-Gly-Ser-Ser-Thr-  
Ser-Pro-Arg-Pro-Pro-Ser-Ser-OH

Product ID	Size
H1645	1 mg
H1645	2 mg
H1645	5 mg

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Helospectin I is a peptide originally found in *Heloderma* lizards. Helospectin I is a neuropeptide of the vasoactive intestinal peptide (VIP) family that exhibits vasodilatory and antihypertensive activities, decreasing blood pressure in vivo. Additionally, helospectin I increases plasma glucagon in animal models.

**References** Tsueshita T, Onyükusel H, Sethi V, et al. Helospectin I and II evoke vasodilation in the intact peripheral microcirculation. *Peptides*. 2004 Jan;25(1):65-9. PMID: 15003357.

Uddman R, Goadsby PJ, Jansen-Olesen I, et al. Helospectin-like peptides: immunochemical localization and effects on isolated cerebral arteries and on local cerebral blood flow in the cat. *J Cereb Blood Flow Metab*. 1999 Jan;19(1):61-7. PMID: 9886356.

Ahrén B. Effects of helospectin I on insulin and glucagon secretion in the mouse. *Br J Pharmacol*. 1991 Apr;102(4):916-8. PMID: 1855119.

Grundemar L, Högestätt ED. Vascular effects of helodermin, helospectin I and helospectin II: a comparison with vasoactive intestinal peptide (VIP). *Br J Pharmacol*. 1990 Mar;99(3):526-8. PMID: 2331581.

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