

## Product Information

**Product ID** H1643  
**CAS No.** 89468-62-2  
**Chemical Name**

**Synonym** Exendin 2

**Formula**  $C_{176}H_{283}N_{45}O_{51}$   
**Formula Wt.** 3845.49  
**Melting Point**  
**Purity**  $\geq 95\%$   
**Solubility**

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

**Description** Helodermin is a peptide originally found in *Heloderma* lizards. Helodermin exhibits vasodilatory and antihypertensive activities, decreasing blood pressure in vivo; this arterial relaxation is accompanied by a decrease in intracellular  $\text{Ca}^{2+}$  and an increase in cAMP. Helodermin may also exhibit anticancer benefit, inhibiting cell proliferation of small cell lung cancer (SCLC) cells in vitro.

H-His-Ser-Asp-Ala-Ile-Phe-Thr-  
Glu-Glu-Tyr-Ser-Lys-Leu-Leu-  
Ala-Lys-Leu-Ala-Leu-Gln-Lys-  
Tyr-Leu-Ala-Ser-Ile-Leu-Gly-Ser-  
Arg-Thr-Ser-Pro-Pro-Pro-NH<sub>2</sub>

## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
H1643	0.5 mg	\$239.40
H1643	1 mg	\$406.40
H1643	2.5 mg	\$718.30

**References** 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.

Tanaka Y, Horikawa N, Ishiro H, et al. Glibenclamide-sensitive mechanism is involved in helodermin-produced vasodilatation in rat mesenteric artery. *Res Commun Mol Pathol Pharmacol.* 1997 Nov;98(2):141-56. PMID: 9467823.

Maruno K, Said SI. Small-cell lung carcinoma: inhibition of proliferation by vasoactive intestinal peptide and helodermin and enhancement of inhibition by anti-bombesin antibody. *Life Sci.* 1993;52(24):PL267-71. PMID: 8389407.

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.