



## Product Information

**Product ID** C2971

**CAS No.** 133633-11-1

**Chemical Name**

**Synonym** Chromogranin A (124-143); CgA; Pituitary Secretory Protein I; SP-I; CHGA; Cromostatin-20; CST.

**Formula** C<sub>78</sub>H<sub>120</sub>N<sub>24</sub>O<sub>35</sub>

**Formula Wt.** 1953.97

**Melting Point**

**Purity** ≥95%

**Solubility** Soluble in water.

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Chromostatin is a peptide fragment representing chromogranin A (124-143). Chromostatin exhibits cardiomodulatory activity, inhibiting vasoconstriction in thoracic arteries and saphenous veins induced by K<sup>+</sup>, norepinephrine, and endothelin-1. Additionally, chromostatin inhibits catecholamine secretion in chromaffin cells through the activation of protein phosphatase 2A (PP2A).

H-Ser-Asp-Glu-Asp-Ser-Asp-Gly-Asp-Arg-Pro-Gln-Ala-Ser-Pro-Gly-Leu-Gly-Pro-Gly-Pro-OH

**Bulk quantities available upon request**

Product ID	Size
C2971	0.5 mg
C2971	1 mg
C2971	2.5 mg

**References** Garcia GE, Gabbai FB, O'Connor DT, et al. Does chromostatin influence catecholamine release or blood pressure in vivo? *Peptides*. 1994 Jan;15(1):195-7. PMID: 8015978.

Aardal S, Galindo E, Aunis D, et al. Human chromostatin inhibits endothelin-1-induced contractures in human blood vessels. *Regul Pept*. 1993 Aug 13;47(1):25-32. PMID: 8210519.

Galindo E, Zwiler J, Bader MF, et al. Chromostatin inhibits catecholamine secretion in adrenal chromaffin cells by activating a protein phosphatase. *Proc Natl Acad Sci U S A*. 1992 Aug 15;89(16):7398-402. PMID: 1323834.

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