

Chromostatin (bovine)

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| Cat. No.: | HY-P3041 |
| CAS No.: | 133633-11-1 |
| Molecular Formula: | C ₇₈ H ₁₂₀ N ₂₄ O ₃₅ |
| Molecular Weight: | 1953.93 |
| Sequence: | Ser-Asp-Glu-Asp-Ser-Asp-Gly-Asp-Arg-Pro-Gln-Ala-Ser-Pro-Gly-Leu-Gly-Pro-Gly-Pro |
| Sequence Shortening: | SDESDGDRPQASPGLGPGP |
| Target: | Calcium Channel |
| Pathway: | Membrane Transporter/Ion Channel; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

Description

Chromostatin bovine is a chromogranin A (CGA) derivative peptide, which inhibits potassium or carbamoylcholine induced catecholamine release with an ID₅₀ of 5 nM. Chromostatin bovine reduces calcium flux, enhances the desensitization process of the cholinergic-evoked secretory response and modulates the endocrine response associated with catecholamine^[1].

REFERENCES

[1]. Galindo E, et al., Chromostatin, a 20-amino acid peptide derived from chromogranin A, inhibits chromaffin cell secretion. Proc Natl Acad Sci U S A. 1991 Feb 15;88(4):1426-30.

Caution: Product has not been fully validated for medical applications. For research use only.

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