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Product Information

Calcitonin Gene Related Peptide human

Product Number **C 0167**

Storage Temperature -0 °C

Product Description

Molecular Formula: $C_{163}H_{267}N_{51}O_{49}S_2$

Molecular Weight: 3789

CAS Number: 90954-53-3

Amino Acid Sequence: Ala-Cys-Asp-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH₂ [Disulfide Bridge: 2-7]
Synonym: CGRP

Native, full length CGRP is a neuropeptide having vasodilator, cardiac positive inotropic (influencing muscular contractility), and smooth muscle relaxing activities.^{1,2,3} The fragment 8-37 (Product No. C 2806) has CGRP receptor antagonist activity.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in 1% acetic acid or water (1 mg/ml), yielding a clear, colorless solution.

Storage/Stability

Solutions in 1% acetic acid or water should be stable frozen in aliquots, with care taken to protect the cysteine disulfide bonds. It is stable in solution at room temperature at least 4 hours.

References

1. Morris, et al., Isolation and characterization of human calcitonin gene-related peptide. *Nature*, **308**, 746-748 (1984).
2. Ishida-Yamamoto, A., and Tohyama, M., CGRP in the nervous tissue. *Prog. Neurobiol.*, **33**, 335-386 (1989).
3. Poyner, R. R., Calcitonin gene-related peptide: Multiple actions, multiple receptors. *Pharmacol. Ther.*, **56**, 23-51 (1992).

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