# PRODUCT INFORMATION



## Adrenomedullin (11-50) (rat) (trifluoroacetate salt)

Item No. 27124

Formal Name: 11-50-adrenomedullin (rat),

> trifluoroacetate salt H-Ser-Thr-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-

Synonyms: ADM, AM

Met-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln- $C_{194}H_{304}N_{58}O_{59}S_4 \bullet XCF_3COOH$ MF: FW: 4,521.1 Phe - Thr - Asp - Lys - Asp - Lys - Asp - Gly - Met - Ala-

**Purity:** ≥95% Pro-Arg-Asn-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH<sub>2</sub> Supplied as: A solid

• XCF<sub>3</sub>COOH Storage: -20°C

Stability: ≥4 years

Information represents the product specifications, Batch specific analytical results are provided on each certificate of analysis.

#### **Laboratory Procedures**

Adrenomedullin (11-50) (rat) (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the adrenomedullin (11-50) (rat) (trifluoroacetate salt) in water. The solubility of adrenomedullin (11-50) (rat) (trifluoroacetate salt) in water is approximately 1 mg/ml. We do not recommend storing the agueous solution for more than one day.

### Description

Adrenomedullin (11-50) is a truncated form of rat adrenomedullin. 1,2 Intravenous administration of adrenomedullin (11-50) (3-10 µg/animal) decreases mean systemic arterial pressure in rats in dose-dependent manner without affecting cardiac output.<sup>1</sup> Cerebroventricular injection of adrenomedullin (11-50) (88 pmol) reduces water intake in response to angiotensin II (Item No. 17150), overnight water deprivation, and hyperosmotic challenge in rats.<sup>2</sup>

#### References

- 1. Lin, B., Gao, Y., Chang, J.K., et al. An adrenomedullin fragment retains the systemic vasodepressor activity of rat adrenomedullin. Eur. J. Pharmacol. 260(1), 1-4 (1994).
- 2. Murphy, T.C. and Samson, W.K. The novel vasoactive hormone, adrenomedullin, inhibits water drinking in the rat. Endocrinology 136(6), 2459-2469 (1995).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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