

Atriopeptin III (rat)

Cat. No.:	HY-P5978
CAS No.:	90817-13-3
Molecular Formula:	C ₁₀₇ H ₁₆₅ N ₃₅ O ₃₄ S ₂
Molecular Weight:	2549.8
Sequence:	Ser-Ser-Cys-Phe-Gly-Gly-Arg-Ile-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr (Disulfide bridge:Cys3-Cys19)
Sequence Shortening:	SSCFGGRIDRIGAQSGLGCNSFRY (Disulfide bridge:Cys3-Cys19)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Atriopeptin III (ANP 127-150) (rat), a 24-amino acid atrial peptide, is a potent vasodilator and natriuretic/diuretic agent. Atriopeptin III (rat) improves renal functions and decreases blood pressure in a ureter-obstructed rat kidney model. Atriopeptin III (rat) can be used for research of chronic renal failure^[1].

REFERENCES

- [1]. Olsen UB, et al. Atriopeptin III improves renal functions in a ureter-obstructed rat kidney model. Eur J Pharmacol. 1986 Mar 18;122(2):191-6.
- [2]. Cole BR, et al. Atriopeptin III. A potent natriuretic, diuretic, and hypotensive agent in rats with chronic renal failure. J Clin Invest. 1985 Dec;76(6):2413-5.

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

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