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Zuschläge

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Atriopeptin II (rat, mouse)

Cat. No.:	HY-P3060
CAS No.:	89139-54-8
Molecular Formula:	C ₉₈ H ₁₅₆ N ₃₄ O ₃₂ S ₂
Molecular Weight:	2386.63
Sequence:	Ser-Ser-Cys-Phe-Gly-Gly-Arg-Ile-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg (Disulfide bridge: Cys3-Cys19)
Sequence Shortening:	SSCFGGRIDRIGAQSGLGCNSFR (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 II rat, mouse is an atrial natriuretic peptide, which acts as diuretic and natriuretic agent, and a potent relaxant of vascular smooth muscle ^[1] .
In Vitro	Atriopeptin II rat, mouse (10 nM, 100 min) exhibits vasodilatory effect, increases cyclic GMP concentrations and activates cyclic GMP-kinase in rat ex vivo thoracic aorta ^[1] . Atriopeptin II rat, mouse (0-100 nM) stimulates the testosterone production with half-maximum stimulation of 2.6 nM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fiscus RR, et al., Atriopeptin II elevates cyclic GMP, activates cyclic GMP-dependent protein kinase and causes relaxation in rat thoracic aorta. *Biochim Biophys Acta*. 1985 Jul 30;846(1):179-84.

[2]. Mukhopadhyay AK, et al., Testosterone production by mouse Leydig cells is stimulated in vitro by atrial natriuretic factor. *FEBS Lett*. 1986 Jun 23;202(1):111-6.

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

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