

Atrial Natriuretic Peptide (ANP) (1-28), rat TFA

Cat. No.:	HY-P1236A		
Molecular Formula:	C ₁₃₀ H ₂₀₆ N ₄₅ F ₃ O ₄₁ S ₂		
Molecular Weight:	3176.43		
Target:	Endothelin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-80°C	2 years
		-20°C	1 year
	In solvent	-80°C	6 months
		-20°C	1 month

BIOLOGICAL ACTIVITY

Description	Atrial Natriuretic Peptide (ANP) (1-28), rat (TFA) is a major circulating form of ANP in rats, potently inhibits Angiotensin II (Ang II)-stimulated endothelin-1 secretion in a concentration-dependent manner.
IC ₅₀ & Target	Endothelin-1 ^[1]
In Vitro	Rat ANP (1-28) and rat BNP-45, which are the respective major circulating forms of ANP and BNP in rats, potently inhibited Ang II-stimulated endothelin-1 secretion in a concentration-dependent manner. Rat ANP (5-25) is less effective than Rat ANP(1-28) with respect to inhibiting immunoreactive (ir)-endothelin-1 secretion and increasing cellular cyclic GMP. Rat ANP (1-28) inhibits the secretion of ir-endothelin-1 in a concentration-dependent manner between 0.01 and 1 μM ^[1] .

REFERENCES

[1]. Kohno M, et al. Angiotensin II stimulates endothelin-1 secretion in cultured rat mesangial cells. *Kidney Int.* 1992 Oct;42(4):860-6.

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

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