

Atrial Natriuretic Peptide (1-28), human, porcine, Biotin-labeled

Cat. No.:	HY-P2491
CAS No.:	1815618-06-4
Molecular Formula:	C ₁₃₇ H ₂₁₇ N ₄₇ O ₄₁ S ₄
Molecular Weight:	3308.8
Sequence:	Biotin-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-Met-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr (Disulfide bridge: Cys7-Cys23) <small>Biotin-SLRRSSCFGGMRDRIGAQSGLGCNSFRY (Disulfide bridge: Cys7-Cys23)</small>
Sequence Shortening:	Biotin-SLRRSSCFGGMRDRIGAQSGLGCNSFRY (Disulfide bridge: Cys7-Cys23)
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (1.51 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		0.3022 mL	1.5111 mL	3.0222 mL
5 mM		---	---	---
10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Atrial Natriuretic Peptide (1-28), human, porcine, Biotin-labeled, one of three mammalian natriuretic peptides (NPs), has endocrine effects on fluid homeostasis and blood pressure. Atrial Natriuretic Peptide has the potential for cardiovascular diseases research^{[1][2]}.

REFERENCES

- [1]. S Vink, et al. Natriuretic peptide drug leads from snake venom. . 2012 Mar 15;59(4):434-45.
- [2]. Verónica Sosa, et al. Participation of glucose transporters on atrial natriuretic peptide-induced glucose uptake by adult and neonatal cardiomyocytes under

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

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