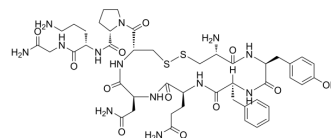


Ornipressin

Cat. No.:	HY-P0083
CAS No.:	3397-23-7
Molecular Formula:	C ₄₅ H ₆₃ N ₁₃ O ₁₂ S ₂
Molecular Weight:	1042.19
Sequence:	Cys-Tyr-Phe-Gln-Asn-Cys-Pro-{Orn}-Gly-NH ₂ (Disulfide bridge: Cys1-Cys6)
Sequence Shortening:	CYFQNCP-{Orn}-G-NH ₂ (Disulfide bridge: Cys1-Cys6)
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 75 mg/mL (71.96 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	0.9595 mL	4.7976 mL	9.5952 mL
		5 mM	0.1919 mL	0.9595 mL	1.9190 mL
10 mM		0.0960 mL	0.4798 mL	0.9595 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (47.98 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Ornipressin is a potent vasoconstrictor, hemostatic and renal agent.
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REFERENCES

- [1]. Fruhstorfer H, et al. Dose-response relation of ornipressin with regard to vasoconstriction in human skin. *Br J Anaesth.* 1994 Aug;73(2):220-4.
- [2]. De Kock M, et al. Ornipressin (Por 8): An efficient alternative to counteract hypotension during combined general/epidural anesthesia. *Anesth Analg.* 2000 Jun;90(6):1301-7.

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

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