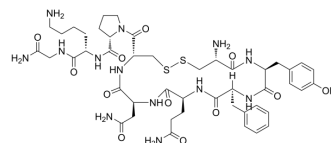


Lysipressin

Cat. No.:	HY-P0004
CAS No.:	50-57-7
Molecular Formula:	C ₄₆ H ₆₅ N ₁₃ O ₁₂ S ₂
Molecular Weight:	1056.22
Sequence:	Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Lys-Gly-NH ₂ (Disulfide bridge: Cys1-Cys6)
Sequence Shortening:	CYFQNCPKG-NH ₂ (Disulfide bridge: Cys1-Cys6)
Target:	Adenylate Cyclase
Pathway:	GPCR/G Protein
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

H₂O : 100 mg/mL (94.68 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.9468 mL	4.7339 mL	9.4677 mL
	5 mM	0.1894 mL	0.9468 mL	1.8935 mL
	10 mM	0.0947 mL	0.4734 mL	0.9468 mL

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

BIOLOGICAL ACTIVITY

Description

Lysipressin (Lysine vasopressin) is antidiuretic hormone that have been found in pigs and some marsupial families. Lysipressin induces contraction of the rabbit urinary bladder smooth muscle, activate adenylate-cyclase^{[1][2]}.

CUSTOMER VALIDATION

- Sci Rep. 2020 Oct 2;10(1):16383.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Gorbulev V et al. Molecular cloning and functional characterization of V2 [8-lysine] vasopressin and oxytocin receptors from a pig kidney cell line. Eur J Biochem. 1993 Jul 1;215(1):1-7.
- [2]. Crankshaw D et al. [Arg8]vasopressin-induced contractions of rabbit urinary bladder smooth muscle. Eur J Pharmacol. 1989 Dec 7;173(2-3):183-8.
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Caution: Product has not been fully validated for medical applications. For research use only.

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