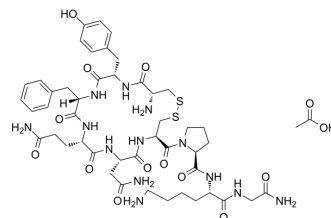


## Lysipressin acetate

Cat. No.:	HY-P0004A
CAS No.:	83968-49-4
Molecular Formula:	C <sub>48</sub> H <sub>69</sub> N <sub>13</sub> O <sub>14</sub> S <sub>2</sub>
Molecular Weight:	1116.27
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

DMSO : ≥ 100 mg/mL (89.58 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.8958 mL	4.4792 mL	8.9584 mL
5 mM	0.1792 mL	0.8958 mL	1.7917 mL
10 mM	0.0896 mL	0.4479 mL	0.8958 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.5 mg/mL (2.24 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (2.24 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (2.24 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

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

### CUSTOMER VALIDATION

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

See more customer validations on [www.MedChemExpress.com](http://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.
- 

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA