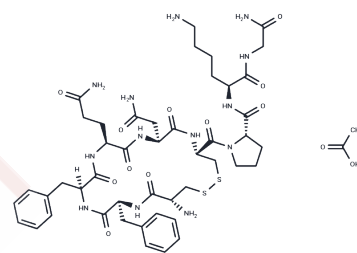


## Felypressin acetate

## Chemical Properties

CAS No. :	914453-97-7
Formula:	C48H69N13O13S2
Molecular Weight:	1100.27
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Felypressin acetate (PLV-2) is an agonist of vasopressin 1 and acts on all arginine vasopressin receptors 1A5. Felypressin acetate can be used in dental procedures.
Targets(IC50)	Vasopressin Receptor
In vitro	Felypressin is a synthetic posterior pituitary hormone with vasoconstrictive properties mediated through V1 receptors in blood vessel smooth muscle cells[4].
In vivo	In Wistar rats, Felypressin (240 ng/kg; i.v.) induces a pressor effect and bradycardic effect depending on V1 receptors to induce pressor and bradycardic effects. Felypressin produces a high relationship between bradycardia and mean arterial pressure vari

## Solubility Information

Solubility	DMSO: 125 mg/mL (113.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9089 mL	4.5443 mL	9.0887 mL
5 mM	0.1818 mL	0.9089 mL	1.8177 mL
10 mM	0.0909 mL	0.4544 mL	0.9089 mL
50 mM	0.0182 mL	0.0909 mL	0.1818 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Fleury CA, Andreo VC, Lomba PC, Dionísio TJ, Amaral SL, Santos CF, Faria FA. Comparison of epinephrine and felypressin pressure effects in 1K1C hypertensive rats treated or not with atenolol. *J Anesth*. 2015 Feb;29(1):56-64. doi: 10.1007/s00540-014-1866-y. Epub 2014 Jun 25. PubMed PMID: 24962945.

Bronzo AL, Cardoso CG Jr, Ortega KC, Mion D Jr. Felypressin increases blood pressure during dental procedures in hypertensive patients. *Arq Bras Cardiol*. 2012 Aug;99(2):724-31. Epub 2012 Jun 28. English, Portuguese. PubMed PMID: 22735869.

Inagawa M, Ichinohe T, Kaneko Y. Felypressin, but not epinephrine, reduces myocardial oxygen tension after an injection of dental local anesthetic solution at routine doses. *J Oral Maxillofac Surg*. 2010 May;68(5):1013-7. doi: 10.1016/j.joms.2009.07.080. Epub 2009 Dec 23. PubMed PMID: 20031290.

Cecanho R, De Luca LA Jr, Ranali J. Cardiovascular effects of felypressin. *Anesth Prog*. 2006 Winter;53(4):119-25. PubMed PMID: 17177590; PubMed Central PMCID: PMC1705833.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481