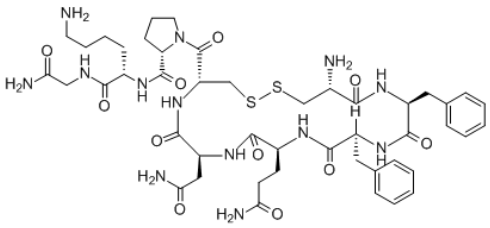
Product Data Sheet

Product Name: Felypressin (PLV-2)
Cat. No.: GC31160

Chemical Properties

Cas. No.	56-59-7		
SMILES	O=C([C@H](CSSC[C@@H](C(N[C@H](C1=O)CC2=CC=CC=C2)=O)N)NC([C@@H](NC([C@@H](NC([C@]](N1)([H])CC3=CC=CC=C3)=O)CCC(N)=O)=O)CC(N)=O)=O)N(CCC4)[C@@H]4C(N[C@@H](CCCCN)C(NCC(N)=O)=O)=O		
Formula	$C_{46}H_{65}N_{13}O_{11}S_2$	M.Wt	1040.22
Solubility	DMSO : ≥ 10.4 mg/mL (10.00 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Felypressin (PLV-2) is a Vasopressin 1 agonist, and will thus have effects at all Arginine vasopressin receptor 1As.

Felypressin (PLV-2) is a synthetic hormone of the posterior pituitary lobe characterized by

vasoconstrictor properties that is widely used in dental procedures.

Felypressin (PLV-2) has been widely added to local anesthetic solutions to increase the duration of the anesthetic effect and reduce the risk of toxicity during dental procedures.

[1]. Bronzo AL et al. Felypressin increases blood pressure during dental procedures in hypertensive patients. Arq Bras Cardiol. 2012 Aug;99(2):724-31. [2]. Cecanho R et al. Cardiovascular effects of felypressin. Anesth Prog. 2006 Winter;53(4):119-25.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA