

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

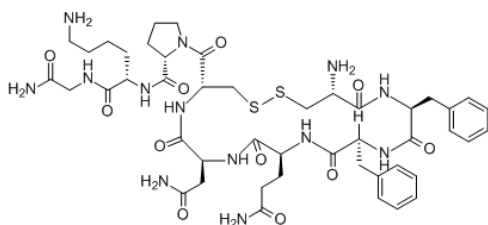
Formula $C_{46}H_{65}N_{13}O_{11}S_2$ M.Wt 1040.22

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

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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