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## Product Data Sheet

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Product Name: Felypressin acetate

Cat. No.: GC65415

### Chemical Properties

Cas. No. 914453-97-7

Formula C<sub>46</sub>H<sub>65</sub>N<sub>13</sub>O<sub>11</sub>S<sub>2</sub>.xC<sub>2</sub>H<sub>4</sub>O<sub>2</sub>

M.Wt

Solubility Water : 100 mg/mL (Need ultrasonic)

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 acetate (PLV-2 acetate) is a non-catecholamine vasoconstrictor and a vasopressin 1 agonist. Felypressin acetate is widely used in dental procedures[1][2].

Felypressin is a synthetic hormone of the posterior pituitary lobe characterized by vasoconstrictor properties that is widely used in dental procedures. The vasoconstrictor action of Felypressin seems to be mediated by V1 receptors of the blood vessel smooth muscle cells[1].

Felypressin can reduce toxicity during dental procedures. Felypressin increases the diastolic blood pressure of hypertensive patients with controlled blood pressure[1]. Cardiovascular effects of Felypressin (240 ng/kg; intravenous injection) are studied in Wistar rats. Felypressin induces a pressor effect. Felypressin depends on V1 receptors to induce pressor and bradycardic effects, and that it produces a high relationship between bradycardia and mean arterial pressure variation depending on area postrema and central V1 receptors[2].

[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

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

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Winter;53(4):119-25.

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