

## 32-2007: Alarelin

**Alternative Name :** Alarelin,Alarelin Acetate.

### Description

Source : Alarelin acetate peptide is a single, non-glycosylated polypeptide chain containing 9 amino acids, having a molecular mass of 1167.3 Dalton and a Molecular formula of  $C_{56}H_{78}N_{16}O_{12} \times C_2H_4O_2$ . The CAS No. is 79561-22-1. Alarelin (Gonadotrophin-releasing hormone) is a synthetic LH-RH agonist that is found in higher amounts than that of LH-RH in rat hypophyseal stimulation of gonadotropin secretion in vivo and in vitro and in ovulation inductions. Alarelin is known for its induction of ovulation. Alarelin acetate is the acetate form of a hypothalamic peptide that stimulates the release of FSH and LH from the pituitary gland.

### Product Info

<b>Amount :</b>	10 mg
<b>Purification :</b>	Greater than 98.0% as determined by Analysis by RP-HPLC.
<b>Content :</b>	The Alarelin was lyophilized with no additives.
<b>Storage condition :</b>	Lyophilized Alarelin e although stable at room temperature for 3 weeks, should be stored desiccated below $-18^{\circ}C$ . Upon reconstitution Alarelin should be stored at $4^{\circ}C$ between 2-7 days and for future use below $-18^{\circ}C$ . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	5-oxo-pro-His-Trp-Ser-Tyr-D-Ala-Leu-Arg-Pro-Nhet x $CH_3COOH$ .

### Application Note

It is recommended to reconstitute the lyophilized Argipressin in sterile  $18M\Omega\text{-cm}$  H<sub>2</sub>O not less than  $100\ \mu\text{g/ml}$ , which can then be further diluted to other aqueous solutions.