



Alarelin Acetate (GnRH agonist), Synthetic Peptide

Product Data Sheet

Cat. No.:	A2291002	A2291010	A2291100
Size:	2 mg	10 mg	100 mg

Description:

Alarelin acetate peptide is a single, non-glycosylated polypeptide chain containing 9 amino acids, with 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 is a synthetic polypeptide which acts as LH-RH (Luteinizing-hormone releasing hormone) analogue agonist. LH-RH is secreted in the hypothalamus and its release induces the secretion of LH (luteinizing hormone) and FSH (Follicle-stimulating hormone) from the pituitary gland. These two hormones act on the ovaries and the testes and are responsible of the profertility effects of LHRH through the release of steroidal hormones.

The biological activity of Alarelin, a synthetic LH-RH agonist, is dozens of times higher than that of LH-RH in the test of rat hypophyseal stimulation of gonadotropin secretion in vivo and in vitro and in the ovulation induction test.

Other Names:

Gonadotropin-releasing hormone (GnRH) superagonist, luteinizing hormone-releasing hormone agonist, luteinising hormone-releasing hormone agonist, GnRH agonist, LHRH agonist

Amino Acid Sequence:

5-oxo-pro-His-Trp-Ser-Tyr-D-Ala-Leu-Arg-Pro-Nhet x CH_3COOH .

Purity:

Greater than 99.0%.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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Ilex Life Sciences LLC

1465 Sand Hill Rd, Suite 2018, Candler, NC 28715

Tel: 828-531-9949; Email: info@ilexlife.com

Web: www.ilexlife.com

**Formulation:**

The Alarelin peptide was lyophilized with no additives.

Reconstitution:

It is recommended to reconstitute the lyophilized Alarelin in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Shipping:

Shipped at ambient temperature. Upon receipt, store at the temperature recommended below.

Stability:

Lyophilized Alarelin, although stable at room temperature for 3 weeks, should be stored desiccated below -18° C. Upon reconstitution, Alarelin should be stored at 4° C between 2-7 days and for future use below -18° C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

Ilex Life Sciences products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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