

Human Leuprolide - Purified

Catalog No.: AR10215PU-L

Quantity: 0.1 g

Concentration: 1.0 mg/ml (prior to lyophil.)

Background: Leuprorelin (INN) or leuprolide acetate (USAN) is a gonadotropin-releasing hormone agonist (GnRH agonist).
By causing constant stimulation of the pituitary GnRH receptors, it initially causes stimulation (flare), but thereafter decreases pituitary secretion (downregulation) of gonadotropins luteinizing hormone (LH) and follicle-stimulating hormone (FSH). Like other GnRH agonists, leuprolide may be used in the treatment of hormone-responsive cancers such as prostate cancer or breast cancer, estrogen-dependent conditions (such as endometriosis or uterine fibroids), to treat precocious puberty, and to control ovarian stimulation in IVF.

Species: Human

Source: Synthetic

Format: **State:** Sterile Filtered White lyophilized (freeze-dried) powder without additives

Purity: > 98.0% as determined by RP-HPLC

Reconstitution: Restore in sterile 18 MΩ·cm⁻¹ H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Description: Synthetic Human Leuprolide is a single, non-glycosylated, polypeptide chain containing 9 amino acids.

AA Sequence:

Glu-His-Trp-Ser-Tyr-DLeu-Leu-Arg-Pro-NH₂

Molecular weight: 1209 Da

Storage: Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.