

Human Leuprolide - Purified

Catalog No.:	AR10215PU-S
Quantity:	5 mg
Concentration:	1.0 mg/ml (prior to lyophil.)
Background:	<p>Leuprorelin (INN) or leuprolide acetate (USAN) is a gonadotropin-releasing hormone agonist (GnRH agonist).</p> <p>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.</p>
Species:	Human
Source:	Synthetic
Format:	<p>State: Sterile Filtered White lyophilized (freeze-dried) powder without additives</p> <p>Purity: > 98.0% as determined by RP-HPLC</p> <p>Reconstitution: Restore in sterile 18MΩ·cm⁻¹ H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.</p>
Description:	<p>Synthetic Human Leuprolide is a single, non-glycosylated, polypeptide chain containing 9 amino acids.</p> <p>AA Sequence: <i>Glu-His-Trp-Ser-Tyr-DLeu-Leu-Arg-Pro-NH₂</i></p> <p>Molecular weight: 1209 Da</p>
Storage:	<p>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.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>