9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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Leuprorelin Human

Leuprolide Human
HRM0064

Product Overview

Name	Leuprorelin Human

Description

Leuprolide Human

Synonyms

Leuprolide, Leuprorelin.

Introduction

Leuprorelin (INN) or leuprolide acetate (USAN) is a gonadotropin-releasing hormone agonist (GnRH agonist). By causing constant stimulation of the pituitaryGnRH 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 canceror breast cancer, estrogen-dependent conditions (such as endometriosisor uterine fibroids), to treat precocious puberty, and to control ovarian stimulation in IVF.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The Leuprorelin was lyophilized from a concentrated (1mg/ml) solution with no additives.

Stability

Lyophilized Leoprolide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Leuprorelin 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.

Purity

Greater than 98.0% as determined by RP-HPLC.

Amino acid sequence

pGlu-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt.

Solubility

It is recommended to reconstitute the lyophilized Leoprolide in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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Leuprorelin Human is for research use only and not for use in diagnostic or therapeutic procedures.