Triptorelin Acetate

DAG3669  chemosynchetic
Lot. No. (See product label)

PRODUCT INFORMATION

Product overview  Triptorelin Acetate
Description  Triptorelin C64H82N18O13, Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH2 is a synthetic analogue of gonadorelin (GnRH).
As a result of the substitution of the 6th amino acid residue in the native molecule, the agonistic effect is more pronounced and the pl
Species  chemosynchetic
Form  Sterile Filtered White lyophilized (freeze-dried) powder. Triptorelin (1 mg/ml) was lyophilized with no additives.
Endotoxin  Less than 0.1 ng/μg (1 EU/μg) of Triptorelin Acetate.
Purity  Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

PACKAGING

Storage  Lyophilized Triptorelin although stable at room temperature for 3 weeks, should be stored desiccated below -20°C. Upon reconstitution Triptorelin should be stored at 2-4°C between 2-7 days and for future use below -20°C. For long term storage it is recomm
Solubility  It is recommended to reconstitute the lyophilized Trp in sterile 18MΩ-cm H2O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions

BACKGROUND

Introduction  Triptorelin, a decapeptide (pGlu-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH2), is a gonadotropin-releasing hormone agonist (GnRH agonist) used as the acetate or pamoate salts. By causing constant stimulation of the pituitary, it decreases pituitary secretion of gonadotropins luteinizing hormone (LH) and follicle stimulating hormone (FSH). Like other GnRH agonists, triptorelin may be used in the treatment of hormone-responsive cancers such as prostate cancer or breast cancer, precocious puberty, estrogen-dependent conditions (such as endometriosis or uterine fibroids), and in assisted reproduction. Triptorelin is marketed under the brand names Decapeptyl (Ipsen) and Diphereline and Gonapeptyl (Ferring Pharmaceuticals). In the United States, it is sold by Watson as Trelistar. In Iran Triptorelin is marketed under the brand name Variopeptyl
Keywords  TRIPORELIN; TRIPTERYGLLLYPOGLAUCIDRIEDPOWDER; 6-D-TRYPTOPHAN-LUTEINIZING HORMONE-RELEASING FACTOR (SWINE); Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH2 acetate salt; 5-Oxo-L-Pro-L-His-L-Trp-L-Ser-L-Tyr-D-Trp-L-Leu-L-Arg-L-Pro-Gly-NH2; CL-118532; Decapept

REFERENCES
