



Triptorelin Acetate (GnRH agonist), Synthetic Peptide

Product Data Sheet

Cat. No.:	A223805	A223810	A223820
Size:	5 mg	10 mg	20 mg

Description:

Triptorelin $C_{64}H_{82}N_{18}O_{13}$, Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH₂ is a synthetic analogue of gonadorelin (GnRH). The only change between GnRH and Triptorelin is the introduction of a residue of D-Tryptophane instead of a glycine in position 6. As a result of the substitution of the 6th amino acid residue in the native molecule, the agonistic effect is more pronounced and the plasma half-life prolonged.

Triptorelin controls release of Luteinizing Hormone (LH) and Follicle Stimulating Hormone (FSH) and also levels of testosterone and estrogen.

Other Names:

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

Purity:

Greater than 98.0%.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The peptide (1 mg/ml) was lyophilized with no additives.

Reconstitution:

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

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**Shipping:**

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

Stability:

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