

Triptorelin Acetate

Item Number rAP-2553

Synonyms

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 plasma half-life prolonged.

Uniprot Accession Number

Amino Acid Sequence

Source

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Trp although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Trp 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.

Formulation and Purity The protein (1 mg/ml) was lyophilized with no additives. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Application

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.

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**