

Leuprolide Human

Item Number	rAP-2562
Synonyms	Leuprolide, Leuprorelin.
Description	Leuprolide Human Synthetic is a single, non-glycosylated, polypeptide chain containing 9 amino acids and having a molecular mass of 1209 Dalton. The molecular formula is C ₅₉ H ₈₄ N ₁₆ O ₁₂ .
Uniprot Accession Number	
Amino Acid Sequence	pGlu-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt.
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Leuprolide 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.
Formulation and Purity	The Leuprorelin was lyophilized from a concentrated (1mg/ml) solution with no additives. Greater than 98.0% as determined by RP-HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized Leuprolide in sterile 18MΩ-cm H ₂ O not less than 100µg/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**