

## Cetrorelix

**Item Number** rAP-2569

**Synonyms**

**Description** Cetrorelix acetate is a synthetic decapeptide with gonadotropin-releasing hormone (GnRH) antagonistic activity. Cetrorelix acetate is an analog of native GnRH with substitutions of amino acids at positions 1, 2, 3, 6, and 10. The molecular formula is C<sub>70</sub>H<sub>92</sub>CIN<sub>17</sub>O<sub>14</sub> (Ac-D-Nal<sup>1</sup>-D-Cpa<sup>2</sup>-D-Pal<sup>3</sup>-Ser<sup>4</sup>-Tyr<sup>5</sup>-D-Cit<sup>6</sup>-Leu<sup>7</sup>

**Uniprot Accession Number**

**Amino Acid Sequence**

**Source**

**Physical Appearance and Stability** Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Cetrorelix although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cetrorelix 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 Cetrorelix peptide 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 Cetrorelix in sterile 18MΩ-cm H<sub>2</sub>O 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**