

## Cetrorelix

**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-Nal1-D-Cpa2-D-Pal3-Ser4-Tyr5-D-Cit6-Leu7-Arg8-Pro9-D-Ala10-NH<sub>2</sub>), and the molecular weight is 1431 Dalton, calculated as the anhydrous free base.

Catalog #: HOPS-284

For research use only.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:** Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

The Cetrorelix peptide was lyophilized with no additives.

**Stability:**

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.

**Usage:**

NeoBiolab's 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.

**Solubility:**

It is recommended to reconstitute the lyophilized Cetrorelix in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

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