

Product Data Sheet

Cat # RP-1501

Cetorelix

Size: 250 ug

Source: Cetorelix acetate is a synthetic decapeptide with gonadotropin-releasing hormone (GnRH) antagonistic activity. Cetorelix acetate is an analog of native GnRH with substitutions of amino acids at positions 1, 2, 3, 6, and 10. The molecular formula is (Ac-D-Nal1-D-Cpa2-D-Pal3-Ser4-Tyr5-D-Cit6-Leu7-Arg8-Pro9-D-Ala10-NH₂), and the molecular weight is 1431.06 Dalton, calculated as the anhydrous free base. The protein (1 mg/ml) was lyophilized with no additives.

Usage: This item is 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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Application and Suggested Dilution: It is recommended to reconstitute the lyophilized Cetorelix in sterile 18MQ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE Users must optimize concentration and conditions for each assay.

Storage and Stability: Lyophilized Cetorelix although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cetorelix 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.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

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