

Product Data Sheet

Cat # RP-1500

Ganirelix

**Size:** 50 ug

**Source:** Ganirelix acetate is a synthetic decapeptide with high antagonistic activity against naturally occurring gonadotropin-releasing hormone (GnRH). Ganirelix acetate is derived from native GnRH with substitutions of amino acids at positions 1, 2, 3, 6, 8, and 10 to form the following molecular formula of the peptide: N-acetyl-3-(2-naphthyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridyl)-D-alanyl-L-seryl-L-tyrosyl-N<sup>9</sup>,N<sup>10</sup>-diethyl- D-homoarginyl-L-leucyl-N<sup>9</sup>,N<sup>10</sup>-diethyl-L-homoarginyl-L-prolyl-D-alanylamine acetate. The molecular weight for Ganirelix acetate is 1570.4 Dalton as an anhydrous free base. The protein (0.5 mg/ml) contains 0.1 mg acetic acid and 23.5 mg mannitol pH-5.

**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:** 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:** Ganirelix should be stored between 2<sup>o</sup>C- (-30<sup>o</sup>C) at all time. **Please avoid freeze-thaw cycles.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

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