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# Certificate of Analysis and Data Sheet

## Ganirelix

### Catalog No.

228-10514

### *Description*

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-alanyl amide acetate. The molecular weight for Ganirelix acetate is 1570.4 Dalton as an anhydrous free base.

### *Physical Appearance*

Sterile Filtered colorless liquid formulation.

### *Formulation*

The Ganirelix hormone(0.5 mg/ml) contains 0.1 mg acetic acid and 23.5 mg mannitol pH-5.

### *Stability*

Ganirelix should be stored between 2 °C- (-30 °C) at all time.

**Please avoid freeze-thaw cycles.**

### *Purity*

Greater than 98.0% as determined by

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**