



Ganirelix (DAG3647)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Ganirelix
Species	N/A
Purity	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Conjugate	Unconjugated
Size	150 µg
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Ganirelix acetate is a synthetic decapeptide with high antagonistic activity against naturally occurring gonadotropin-releasing hormone (GnRH). Ganirelix works by blocking the action of GnRH upon the pituitary, thus rapidly suppressing the production and action of LH and FSH. It 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 9 ,N 10 -diethyl- D-homoarginyl-L-leucyl-N 9 ,N 10 -diethyl-L-homoarginyl-L-prolyl-D-alanylamine acetate.
Keywords	Ganirelix