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# Deslorelin

National Cancer Institute

## Source

National Cancer Institute. *Deslorelin*. NCI Thesaurus. Code C38709.

A synthetic nonapeptide analogue of the natural gonadotrophin releasing hormone (GnRH) with potential antineoplastic activity. Deslorelin binds to and activates pituitary gonadotrophin releasing hormone (GnRH) receptors. Continuous, prolonged administration of goserelin in males results in pituitary GnRH receptor desensitization and inhibition of pituitary secretion of follicle stimulating hormone (FSH) and luteinizing hormone (LH), leading to a significant decline in testosterone production; in females, prolonged administration results in a decrease in estradiol production. (NCI04)