

Synthetic Deslorelin

Catalog No.	CRD113A	Quantity:	5 mg
	CRD113B		25 mg
	CRD113C		100 mg

Description: Deslorelin is a potent LHRH/GnRH agonist with a molecular formula of $C_{64}H_{83}N_{17}O_{12}$, Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt. Deslorelin is being studied in the treatment of cancer as a way to block sex hormones made by the ovaries or testicles. It belongs to the family of drugs called gonadotropin-releasing hormone analogs. It is used for the induction of ovulation in mares. Deslorelin binds to and activates pituitary gonadotropin 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.

Molecular Weight: 1.28 kDa

Formulation: Lyophilized from a sterile filtered solution without additives

Purity: > 99% as determined by RP-HPLC and SDS-PAGE analyses

Endotoxin Level: < 0.1 ng/μg of Deslorelin

Reconstitution: **Centrifuge vial prior to opening.** First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 μg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

