

## Deslorelin - Purified

**Catalog No.:** AR10254PU-N

**Quantity:** 25 mg

**Background:** 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.

**Source:** Synthetic

**Format:** **State:** Sterile Filtered White lyophilized (freeze-dried) powder without additives  
**Purity:** >99.0% as determined by both RP-HPLC and SDS-PAGE analysis  
**Reconstitution:** Restore in sterile 18MΩ·cm<sup>-1</sup> H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Description:** Deslorelin is a potent LHRH/GnRH agonist has a molecular formula of C<sub>64</sub>H<sub>83</sub>N<sub>17</sub>O<sub>12</sub>, Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt having a Mw of 1282.47 Dalton.

**Storage:** Prior to reconstitution store at RT for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.