9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Deslorelin

Deslorelin
HRM0019

Product Overview

Name	Deslorelin

Description

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Introduction

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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The Deslorelin peptide was lyophilized with no additives.

Stability

Lyophilized Deslorelin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Deslorelin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 99.0% as determined by RP-HPLC.

Solubility

It is recommended to reconstitute the lyophilized Deslorelin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Deslorelin is for research use only and not for use in diagnostic or therapeutic procedures.