

Product: Deslorelin
Catalog #: 12-4227
Amount: 1 mg

DESCRIPTION: Deslorelin is a potent LHRH/GnRH agonist has a molecular formula of $C_{64}H_{83}N_{17}O_{12}$, Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt having a Mw of 1282.47. 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 peptide
PURITY: > 99%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel
ENDOTOXIN: < 0.1 ng/μg (IEU/μg) of Deslorelin
DIMERS & AGGREGATES: < 1% as determined by silver stained SDS-PAGE gel analysis
PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of Deslorelin as a Reference Standard

FORM: Purified, in 0.1 % BSA
STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.