



LKT Laboratories, Inc.

Histrelin Acetate

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Product Information

Product ID H3277

CAS No. 76712-82-8

Chemical Name

Synonym [des-Gly 10, D-His(Bzl) 6]-LH-RH ethylamide

Formula $C_{66}H_{86}N_{18}O_{12}$

Formula Wt. 1323.52

Melting Point

Purity $\geq 95\%$

Solubility Soluble in DMSO.

Pyr-His-Trp-Ser-Tyr-D-His(Bzl)-
Leu-Arg-Pro-NHEt

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
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Store Temp -20°C

Ship Temp Ambient

Description Histrelin is an anti-estrogen, anti-testosterone analog of gonadotropin-releasing hormone (GnRH) or luteinizing hormone releasing hormone (LHRH). Histrelin binds and activates the GnRH/LHRH receptor, initially stimulating release of follicle-stimulating hormone (FSH) and luteinizing hormone (LH), but then inducing desensitization and decreasing levels of these hormones over long-term administration. Histrelin is clinically used to treat precocious puberty and to suppress estrogen and testosterone levels in prostate cancer patients.

References Lewis KA, Goldyn AK, West KW, et al. A single histrelin implant is effective for 2 years for treatment of central precocious puberty. J Pediatr. 2013 Oct;163(4):1214-6. PMID: 23809043.

Shore N, Cookson MS, Gittelman MC. Long-term efficacy and tolerability of once-yearly histrelin acetate subcutaneous implant in patients with advanced prostate cancer. BJU Int. 2012 Jan;109(2):226-32. PMID: 21851539.

Barradell LB, McTavish D. Histrelin. A review of its pharmacological properties and therapeutic role in central precocious puberty. Drugs. 1993 Apr;45(4):570-88. PMID: 7684676.

Gunnet JW, Demarest KT, Hahn DW, et al. Effects of a sustained release formulation of the gonadotrophin-releasing hormone agonist histrelin on serum concentrations of gonadotrophins and oestradiol, and ovarian LH/human chorionic gonadotrophin receptor content in the rat. J Endocrinol. 1991 Nov;131(2):211-8. PMID: 1744568.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.