



LKT Laboratories, Inc.

Luteinizing Hormone Releasing Hormone

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Product Information

Product ID L8276

CAS No. 9034-40-6

Chemical Name

Synonym LHRH, Gonadoliberin, Luliberin, Nialutin

Formula $C_{55}H_{76}N_{17}O_{13}$

Formula Wt. 1182.3

Melting Point

Purity $\geq 98\%$

Solubility Soluble in 5% acetic acid.

Store Temp -20°C

Ship Temp Ambient

Description Luteinizing hormone-releasing hormone (LHRH or Gonadotropin-releasing hormone [GnRH]) is an endogenous peptide hormone that binds the GnRH receptor, stimulating secretion of reproductive hormones (such as luteinizing hormone [LH] and follicle-stimulating hormone [FSH]) from the pituitary gland. Analogs of GnRH are clinically used to treat hormone-dependent diseases such as prostate and breast cancer, hyperplasia, and endometriosis.

pGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
L8276	1 mg	\$63.00
L8276	2 mg	\$107.00
L8276	5 mg	\$189.00

References Limonta P, Manea M. Gonadotropin-releasing hormone receptors as molecular therapeutic targets in prostate cancer: Current options and emerging strategies. *Cancer Treat Rev.* 2013 Oct;39(6):647-63. PMID: 23290320.

Millar RP, Newton CL. Current and future applications of GnRH, kisspeptin and neurokinin B analogues. *Nat Rev Endocrinol.* 2013 Aug;9(8):451-66. PMID: 23817290.

Wu HM, Wang HS, Huang HY, et al. Gonadotropin-releasing hormone type II (GnRH-II) agonist regulates the invasiveness of endometrial cancer cells through the GnRH-I receptor and mitogen-activated protein kinase (MAPK)-dependent activation of matrix metalloproteinase (MMP)-2. *BMC Cancer.* 2013 Jun 20;13:300. PMID: 23786715.

Burel D, Li JH, Do-Rego JL, et al. Gonadotropin-releasing hormone stimulates the biosynthesis of pregnenolone sulfate and dehydroepiandrosterone sulfate in the hypothalamus. *Endocrinology.* 2013 Jun;154(6):2114-28. PMID: 23554453.

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