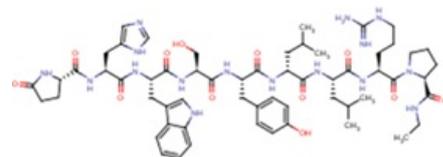


Datasheet

Inhibitors / Agonists / Screening Libraries

TargetMol
A DRUG SCREENING EXPERT

Product Name	:	Leuprorelin
Catalog Number	:	T5018
CAS Number	:	53714-56-0
Molecular Formula	:	C59H84N16O12
Molecular Weight	:	1209.4
Appearance	:	
Melting Point	:	



Description: Leuprolide is an agonist at pituitary GnRH receptors. GnRH receptor Leuprorelin is a gonadotrophin-releasing hormone (GnRH) analogue used to treat a wide range of sex hormone-related disorders including advanced prostatic cancer, endometriosis and precocious puberty. Leuprorelin acts primarily on the anterior pituitary, inducing a transient early rise in gonadotrophin release. With continued use, Leuprorelin causes pituitary desensitisation and/or down-regulation, leading to suppressed circulating levels of gonadotrophins and sex hormones. By interrupting the normal pulsatile stimulation of, and thus desensitizing, the GnRH receptors, it indirectly downregulates the secretion of gonadotropins luteinizing hormone (LH) and follicle-stimulating hormone (FSH), leading to hypogonadism and thus a dramatic reduction in estradiol and testosterone levels in both sexes.

Storage: 2 years -80°C in solvent; 3 years -20°C powder;

Solubility	DMSO	10mM
	Water	1mg/mL
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Receptor (IC50)	GNRHR
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Reference

1. Plosker GL, Leuprorelin. A review of its pharmacology and therapeutic use in prostatic cancer, endometriosis and other sex hormone-related disorders. *Drugs*.1994 Dec;48(6):930-967.

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Information for product storage and handling is indicated on the product datasheet. Targetmol products are stable for long term under the recommended storage conditions. Our products may be shipped under different conditions as many of them are stable in the short-term at higher or even room temperatures. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, please follow the storage recommendations on the product data sheet.