

## 32-2048: Leuprorelin

**Alternative Name :** Leuprolide,Leuprorelin.

### Description

Leuprolide Human Synthetic is a single, non-glycosylated, polypeptide chain containing 9 amino acids and having a molecular mass of 1209 Dalton. The molecular formula is C<sub>59</sub>H<sub>84</sub>N<sub>16</sub>O<sub>12</sub>. Leuprorelin (INN) or leuprolide acetate (USAN) is a gonadotropin-releasing hormone agonist (GnRH agonist).By causing constant stimulation of the pituitaryGnRH receptors, it initially causes stimulation (flare), but thereafter decreases pituitary secretion (downregulation) of gonadotropins luteinizing hormone(LH) and follicle-stimulating hormone(FSH).Like other GnRH agonists, leuprolide may be used in the treatment of hormone-responsive cancers such as prostate canceror breast cancer, estrogen-dependent conditions (such as endometriosisor uterine fibroids), to treat precocious puberty, and to control ovarian stimulation in IVF.

### Product Info

<b>Amount :</b>	25 mg
<b>Purification :</b>	Greater than 98.0% as determined by RP-HPLC.
<b>Content :</b>	The Leuprorelin was lyophilized from a concentrated (1 mg/ml) solution with no additives. Lyophilized Leuprolide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Leuprorelin 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.
<b>Storage condition :</b>	
<b>Amino Acid :</b>	pGlu-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt.

### Application Note

It is recommended to reconstitute the lyophilized Leuprolide in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\Omega$  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

