

Synthetic Nafarelin

Catalog No.	CRN102A	Quantity:	8 mg
	CRN102B		16 mg
	CRN102C		32 mg

Description: Nafarelin acetate is a synthetic decapeptide and agonist of the naturally occurring gonadotropin-releasing hormone (GnRH). By causing constant stimulation of the pituitary, it decreases pituitary secretion of gonadotropins luteinizing hormone (LH) and follicle stimulating hormone (FSH). Nafarelin is used in the treatment of estrogen-dependent conditions such as endometriosis or uterine fibroids, to treat central precocious puberty, and to control ovarian stimulation in *In vitro* fertilization (IVF).

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation: The protein (1 mg/ml) was lyophilized with no additives.

Purity: > 98.0% as determined by RP-HPLC and SDS-PAGE.

Purification: Nafarelin is purified by proprietary chromatographic techniques.

Amino Acid Sequence: Glu-His-Trp-Ser-Ala-Leu-Arg-Pro

Reconstitution: Reconstitute the lyophilized Nafarelin in sterile distilled water at not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Store lyophilized protein desiccated below -18°C. Upon reconstitution, the protein may be stored at 2-4°C for 1 week. For long term use, aliquot and freeze at -20 to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Avoid repeated freeze-thaw cycles.**

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