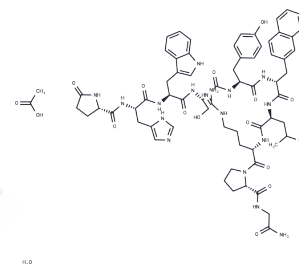


Nafarelin acetate hydrate

Chemical Properties

CAS No. :	86220-42-0
Formula:	C ₆₆ H ₈₃ N ₁₇ O ₁₃ .xC ₂ H ₄ O ₂ .xH ₂ O
Molecular Weight:	1400.563
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Nafarelin is a gonadotropin-releasing hormone agonist (GnRH agonist) which acts as an analog of GnRH. Nafarelin increases the release of FSH and LH by the anterior pituitary, which in turn leads to an increase of estrogen/progesterone. When administered, Nafarelin has the purpose of causing increase estrogen that will negatively feed back upon hypothalamus to decrease GnRH (negative feedback loop) Through negative feedback, Nafarelin causes a decrease in pituitary secretion of gonadotropins luteinizing hormone (LH) and follicle stimulating hormone (FSH). Nafarelin may be 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 IVF. It is normally delivered via a nasal spray. Nafarelin acetate is marketed by Searle (now part of Pfizer) under the brand name Synarel.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.714 mL	3.570 mL	7.140 mL
5 mM	0.1428 mL	0.714 mL	1.428 mL
10 mM	0.0714 mL	0.357 mL	0.714 mL
50 mM	0.0143 mL	0.0714 mL	0.1428 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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