

Name	Goserelin acetate
Cat #	PP-1390
Size	1 g, 10 g, 100, g and bulk custom packages
CAS#	145781-92-6
Mol. Mass	1329.47
Formula	C ₅₉ H ₈₄ N ₁₈ O ₁₄ C ₂ H ₄ O ₂
Sequence	Pyr-His-Trp-Ser-Tyr-D-Ser(tBu)-Leu-Arg-Pro-Azagly-NH ₂
Purity	>95%

Goserelin Acetate is an injectable gonadotropin releasing hormone super-agonist (GnRH agonist) also known as an LHRH agonist. It stops the production of sex hormones (testosterone and oestrogen).

Goserelin Acetate is marketed by AstraZeneca with the brand name Zoladex.[1] It was first launched in 1987 and is currently the second-largest selling GnRH analogue in the world. It is currently available in more than one hundred markets.

Zoladex 3.6 mg subcutaneous monthly biodegradable implant was first approved by the FDA on November 3, 1989[2] for treatment of prostate cancer, a 10.8 mg subcutaneous 3-month biodegradable implant and other indications were subsequently approved.

Goserelin Acetate is used to treat hormone-sensitive cancers of the prostate and breast (in pre-/perimenopausal women) and some benign gynaecological disorders (endometriosis, uterine fibroids and endometrial thinning). In addition, goserelin is used in assisted reproduction and in the treatment of precocious puberty. The syringe applicator comes with a protective sleeve, called the SafeSystem, to reduce and prevent needlestick injuries to administering healthcare professionals.

It is available as a 1-month depot and a long-acting 3-month depot. Both depots are used for the treatment of prostate cancer, endometriosis and uterine fibroids but only the 1-month depot is approved for breast cancer, endometrial thinning and assisted reproduction.

NOTE: The above license is probably from the USA. It should be noted that licensed indications may vary from country to country. For example, in the UK the 1-month depot is licensed for prostate cancer, endometriosis, uterine fibroids, breast cancer, endometrial thinning and assisted reproduction, and not as above. You are advised to consult a Healthcare Professional or your local regulatory authorities if you need more information on your local license for this product.

