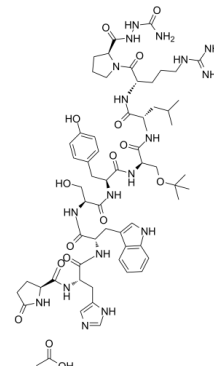


Data Sheet

Product Name:	Goserelin (acetate)
Cat. No.:	CS-4509
CAS No.:	145781-92-6
Molecular Formula:	C ₆₁ H ₈₈ N ₁₈ O ₁₆
Molecular Weight:	1329.46
Target:	GNRH Receptor
Pathway:	GPCR/G Protein
Solubility:	DMSO : ≥ 28 mg/mL (21.06 mM)



BIOLOGICAL ACTIVITY:

Goserelin acetate (ICI 118630 acetate) is an injectable gonadotropin releasing hormone superagonist (GnRH agonist). IC₅₀ value: Target: GnRH agonist Goserelin is used to treat hormone-sensitive cancers of the breast (in pre- and peri- menopausal women) and prostate, 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. It may also be used in the treatment of male-to-female transsexuals and is favoured above other anti-androgens in some countries, such as the UK. It is available as a 1-month depot and a long-acting 3-month depot. Goserelin stimulates the production of the sex hormones testosterone and estrogen in a non-pulsatile (non-physiological) manner.

CAIndexNames:

1-9-Luteinizing hormone-releasing factor (swine), 6-[O-(1,1-dimethylethyl)-D-serine]-, 2-(aminocarbonyl)hydrazide, acetate (1:x)

SMILES:

O=C(N[C@H](C(N[C@@H](CC1=CC=C(O)C=C1)C(N[C@H](COC(C)(C)C)C(N[C@@H](CC(C)C)C(N[C@@H](CCCNC(N)=N)C(N2CCC[C@H]2C(NNC(N)=O)=O)=O)=O)=O)=O)CO)[C@@H](NC([C@H](CC3=CN=CN3)NC([C@@H](N4CCC4=O)=O)=O)CC5=CNC6=C5C=CC=C6.CC(O)=O

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA