

Product Data Sheet

Product Name: Goserelin acetate

Cat. No.: GC36180

Chemical Properties

Cas. No. 145781-92-6

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)CO)[C@@H](NC([C@H](CC3=CN=CN3)NC([C@@H](N4CCC4=O)=O)=O)C5=CNC6=C5C=CC=C6)CC(O)=O

Formula C₆₁H₈₈N₁₈O₁₆ M.Wt 1329.46

Solubility DMSO: ≥ 28 mg/mL (21.06 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

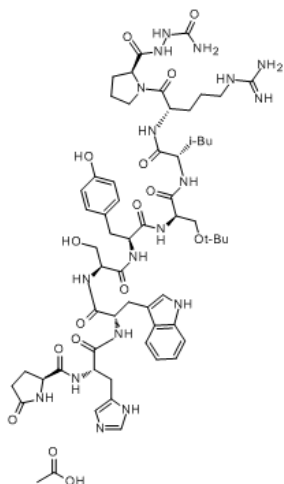
Caution: Product has not been fully validated for medical applications. For research use only.

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Product Data Sheet

Structure



Background

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.

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