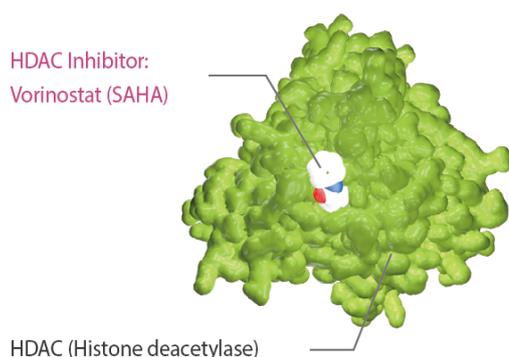


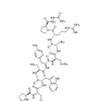
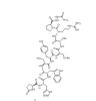
GNRH Receptor

Gonadotropin releasing hormone receptor;GNRHR

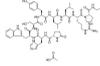


GNRH Receptor (Gonadotropin-releasing hormone receptor, GNRHR), also known as the luteinizing hormone releasing hormone receptor (LHRHR), is a member of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed on the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. GNRH Receptor is a 60 kDa G protein-coupled receptor and resides primarily in the pituitary and is responsible for eliciting the actions of LHRH after its release from the hypothalamus. Upon activation, GNRH Receptor stimulates tyrosine phosphatase and elicits the release of LH from the pituitary. Following binding of Gonadotropin releasing hormone (GNRH), GNRH Receptor associates with G-proteins that activate a phosphatidylinositol (PtdIns)-calcium second messenger system. Activation of GNRHR ultimately causes the release of follicle stimulating hormone (FSH) and luteinizing hormone (LH).

GNRH Receptor Inhibitors & Modulators

<p>Abarelix (R3827; PPI 149) Cat. No.: HY-13534</p> <p>Bioactivity: Abarelix is a potent gonadotrophin-releasing hormone (GnRH) antagonist, used for prostate cancer treatment.</p> <p>Purity: 98.11% Clinical Data: Launched Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg</p> 	<p>Alarelin Acetate (Alarelin) Cat. No.: HY-17405</p> <p>Bioactivity: Alarelin acetate is a synthetic GnRH agonist.</p> <p>Purity: 99.61% Clinical Data: No Development Reported Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</p> 
<p>Buserelin Acetate Cat. No.: HY-13581A</p> <p>Bioactivity: Buserelin (INN) Acetate is a gonadotropin-releasing hormone agonist (GnRH agonist). target: GnRH In vivo: Buserelin treatment reduced the number of neurons along the entire gastrointestinal tract, with increased relative numbers of CRF-immunoreactive submucosal and myenteric neurons in colon...</p> <p>Purity: 99.98% Clinical Data: Launched Size: 2 mg, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p>Cetrorelix Acetate (SB-075 acetate; NS-75A) Cat. No.: HY-P0009A</p> <p>Bioactivity: Cetrorelix Acetate is a potent gonadotropin-releasing hormone (GnRH) receptor antagonist with an IC₅₀ of 1.21 nM.</p> <p>Purity: 98.88% Clinical Data: Launched Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg</p> 
<p>Degarelix Cat. No.: HY-16168A</p> <p>Bioactivity: Degarelix is a competitive and reversible gonadotropin-releasing hormone receptor (GnRHR) antagonist.</p> <p>Purity: 99.92% Clinical Data: Launched Size: 10mM x 1mL in Water, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p>Elagolix (NBI-56418) Cat. No.: HY-14789</p> <p>Bioactivity: Elagolix is a highly potent, selective, orally-active, short-duration, non-peptide antagonist of the gonadotropin-releasing hormone receptor (GnRHR) (KD = 54 pM).</p> <p>Purity: 98.06% Clinical Data: Phase 3 Size: 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p>Elagolix sodium (NBI-56418 sodium) Cat. No.: HY-14369</p> <p>Bioactivity: Elagolix sodium is a human GnRH receptor (GnRHR) antagonist with an IC₅₀ and K_i of 0.25 and 3.7 nM, respectively.</p> <p>Purity: 99.20% Clinical Data: Phase 3 Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p>Gonadorelin acetate Cat. No.: HY-12555</p> <p>Bioactivity: Gonadorelin acetate is a man-made protein that is like a hormone in the body called gonadotropin-releasing hormone (GnRH). Target: GNRH Receptor Gonadorelin acetate is a synthetic decapeptide prepared using solid phase peptide synthesis. GnRH is responsible for the release of follicle...</p> <p>Purity: 99.97% Clinical Data: Phase 4 Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</p> 
<p>Goserelin (ICI 118630) Cat. No.: HY-13673</p> <p>Bioactivity: Goserelin(ICI 118630) 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...</p> <p>Purity: >98% Clinical Data: Launched Size: 10 mg</p> 	<p>Goserelin acetate (ICI-118630 acetate) Cat. No.: HY-13673A</p> <p>Bioactivity: Goserelin (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...</p> <p>Purity: 99.96% Clinical Data: Launched Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg</p> 

Lecirelin	Cat. No.: HY-P0051
Bioactivity: Lecirelin is a synthetic GnRH (gonadotropin releasing hormone) analogue which shows a great efficacy in the treatment of bovine ovarian follicular cysts.	
Purity: >98%	
Clinical Data: No Development Reported	
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg	(Glp)-HWSYVLRP

Leuprolide Acetate (Leuprorelin acetate)	Cat. No.: HY-13665
Bioactivity: Leuprolide acetate is a potent gonadotropin-releasing hormone receptor agonist used for the treatment of prostate cancer, endometriosis, uterine fibroids.	
Purity: 99.88%	
Clinical Data: Launched	
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg	

opigolix	Cat. No.: HY-U00289
Bioactivity: Opigolix is a Gonadotropin-releasing hormone (GnRH) receptor antagonist, used for the research of endometriosis and rheumatoid arthritis.	
Purity: >98%	
Clinical Data: No Development Reported	
Size: 1 mg, 5 mg, 10 mg, 20 mg	

Relugolix (TAK-385)	Cat. No.: HY-16474
Bioactivity: Relugolix is a novel, non-peptide, orally active gonadotropin-releasing hormone (GnRH) antagonist with IC50 of 0.33 nM in the presence of 40% fetal bovine serum, TAK-385 possesses higher affinity and potent antagonistic activity compared with TAK-013. target: GnRH [1] IC50: 0.33 nM [1] In...	
Purity: 98.0%	
Clinical Data: Phase 3	
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg, 100 mg	