

## Product Information

### Goserelin mceatate, Purity ≥98%

**Cat. No.:** X24-09-YM1371

**Size:** 5 mg; 10 mg; 20 mg; 50 mg

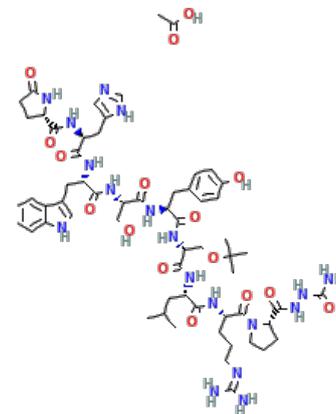
**MDL:** MFCD01747329

**CAS Number:** 145781-92-6

**Compound CID:** 16052011

**Synonym:** 145781-92-6; ICI118630; ICI-118630; ICI 118630; Acetic acid;

(2S)-N-[(2S)-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-1-[[[(2R)-1-[[[(2S)-1-[[[(2S)-1-[(2S)-2-[(carbamoylamino)carbamoyl]pyrrolidin-1-yl]-5-(diaminomethylideneamino)-1-oxopentan-2-yl]amino]-4-methyl-1-oxopentan-2-yl]amino]-3-[(2-methylpropan-2-yl)oxy]-1-oxopropan-2-yl]amino]-3-(4-hydroxyphenyl)-1-oxopropan-2-yl]amino]-3-hydroxy-1-oxopropan-2-yl]amino]-3-(1H-indol-3-yl)-1-oxopropan-2-yl]amino]-3-(1H-imidazol-5-yl)-1-oxopropan-2-yl]-5-oxopyrrolidine-2-carboxamide



**This product is for research use only and is not intended for diagnostic use.**

### Product Information

<b>Description</b>	Goserelin mceatate, soluble in water, is a synthetic decapeptide analog. The molecular weight of the compound is 1329.49, and its molecular formula is C <sub>61</sub> H <sub>88</sub> N <sub>18</sub> O <sub>16</sub> .
<b>Molecular Weight</b>	1329.49
<b>Molecular Formula</b>	C <sub>61</sub> H <sub>88</sub> N <sub>18</sub> O <sub>16</sub>
<b>IUPAC Name</b>	Acetic acid;(2S)-N-[(2S)-1-[[[(2S)-1-[[[(2S)-1-[[[(2R)-1-[[[(2S)-1-[[[(2S)-1-[(2S)-2-[(carbamoylamino)carbamoyl]pyrrolidin-1-yl]-5-(diaminomethylideneamino)-1-oxopentan-2-yl]amino]-4-methyl-1-oxopentan-2-yl]amino]-3-[(2-methylpropan-2-yl)oxy]-1-oxopropan-2-yl]amino]-3-(4-hydroxyphenyl)-1-oxopropan-2-yl]amino]-3-hydroxy-1-oxopropan-2-yl]amino]-3-(1H-indol-3-yl)-1-oxopropan-2-yl]amino]-3-(1H-imidazol-5-yl)-1-oxopropan-2-yl]-5-oxopyrrolidine-2-carboxamide
<b>InChI</b>	InChI=1S/C59H84N18O14.C2H4O2/c1-31(2)22-40(49(82)68-39(12-8-20-64-57(60)61)56(89)77-21-9-13-46(77)55(88)75-76-58(62)90)69-54(87)45(29-91-59(3,4)5)74-50(83)41(23-32-14-16-35(79)17-15-32)70-53(86)44(28-78)73-51(84)42(24-33-26-65-37-11-7-6-10-36(33)37)71-52(85)43(25-34-27-6-3-30-66-34)72-48(81)38-18-19-47(80)67-38;1-2(3)4/h6-7,10-11,14-17,26-27,30-31,38-46,65,78-79H

,8-9,12-13,18-25,28-29H2,1-5H3,(H,63,66)(H,67,80)(H,68,82)(H,69,87)(H,70,86)(H,71,85)(H,72,81)(H,73,84)(H,74,83)(H,75,88)(H4,60,61,64)(H3,62,76,90);1H3,(H,3,4)/t38-,39-,40-,41-,42-,43-,44-,45+,46-;/m0./s1

<b>InChI Key</b>	IKDXDQDKCZPQSZ-JHYTBFNSA-N
<b>Canonical SMILES</b>	<chem>CC(C)CC(C(=O)NC(CCCN=C(N)N)C(=O)N1CCCC1C(=O)NNC(=O)N)NC(=O)C(COC(C)(C)C)NC(=O)C(CC2=CC=C(C=C2)O)NC(=O)C(CO)NC(=O)C(CC3=CNC4=CC=CC=C43)NC(=O)C(CC5=CN=CN5)NC(=O)C6CCC(=O)N6.CC(=O)O</chem>
<b>Isomeric SMILES</b>	<chem>C[C@@H](C(=O)NC1=C(C(=C(C(=C1)C(=O)NC(CO)CO)I)C(=O)NC(CO)CO)I)O</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : Water: 99 mg/mL (74.46 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Goserelin mceatate can be studied extensively for its potential therapeutic applications in the treatment of hormone-sensitive cancers, such as prostate cancer and breast cancer, as well as conditions like endometriosis and uterine fibroids.
<b>Storage</b>	Store at -20°C, and keep desiccated.