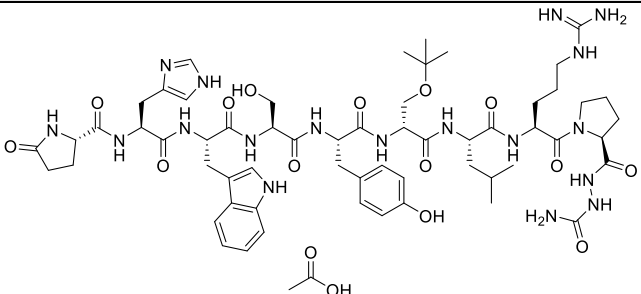




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100420	Goserelin Acetate	TZC70210

Chemical name	
(S)-N-((6S,9S,12R,15S,18S,21S,24S)-21-((1H-indol-3-yl)methyl)-1-amino-12-(tert-butoxymethyl)-6-((S)-2-(2-carbamoylhydrazine-1-carbonyl)pyrrolidine-1-carbonyl)-15-(4-hydroxybenzyl)-18-(hydroxymethyl)-25-(1H-imidazol-4-yl)-1-imino-9-isobutyl-8,11,14,17,20,23-hexaoxo-2,7,10,13,16,19,22-heptaazapentacosan-24-yl)-5-oxopyrrolidine-2-carboxamide acetate	
Synonyms	
ICI118630; ICI-118630; ICI 118630; Goserelin Acetate; brand name: Zoladex.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100420 Name: Goserelin Acetate CAS#: 145781-92-6 Lot#: TZC70210 Chemical Formula: C ₆₁ H ₈₈ N ₁₈ O ₁₆ Exact Mass: 1268.6414 Molecular Weight: 1329.49

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO, water.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE