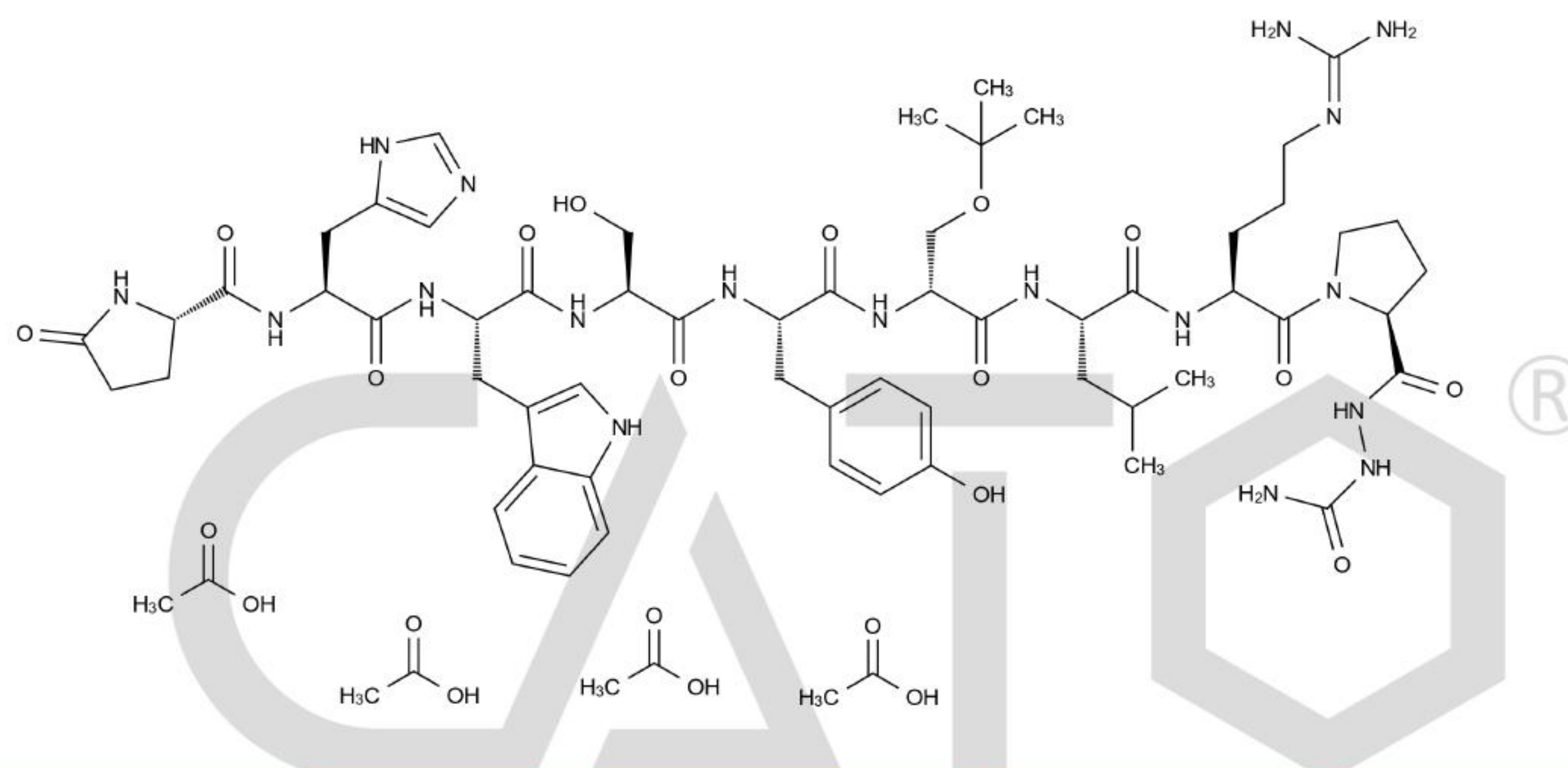


Certificate of Analysis

Reference Material & Standard

Product Name:	Goserelin Acetate	Catalogue Number:	C4X-192022
Synonyms:	N/A	Lot Number:	0820-RH-0028
CAS Number:	145781-92-6	Expiry Date:	Jul 07, 2030
Molecular Formula:	$C_{59}H_{84}N_{18}O_{14} \cdot 4 \cdot C_2H_4O_2$	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	1269.41 4*60.05	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Peptide Content	Elemental Analysis(N%)	89.2%
Residual Solvents	NMR	5.9% acetic acid
Residue on Ignition	TGA	1.8196%
Loss on Drying	TGA	6.1470%
Assay		86.1%

Comment:

- Catalogue Number has been changed from "C4X-1920" to "C4X-192022". Therefore some of the graphs shown below were named by "C4X-1920".
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residual Solvents} - \text{Residue on Ignition} - \text{Loss on Drying}) \times \text{Purity HPLC (\%)} / 100\%$$
Residual Solvents, Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 20, 2026

Date: Aug 20, 2026

Date: Aug 20, 2026

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