

Certificate of Analysis

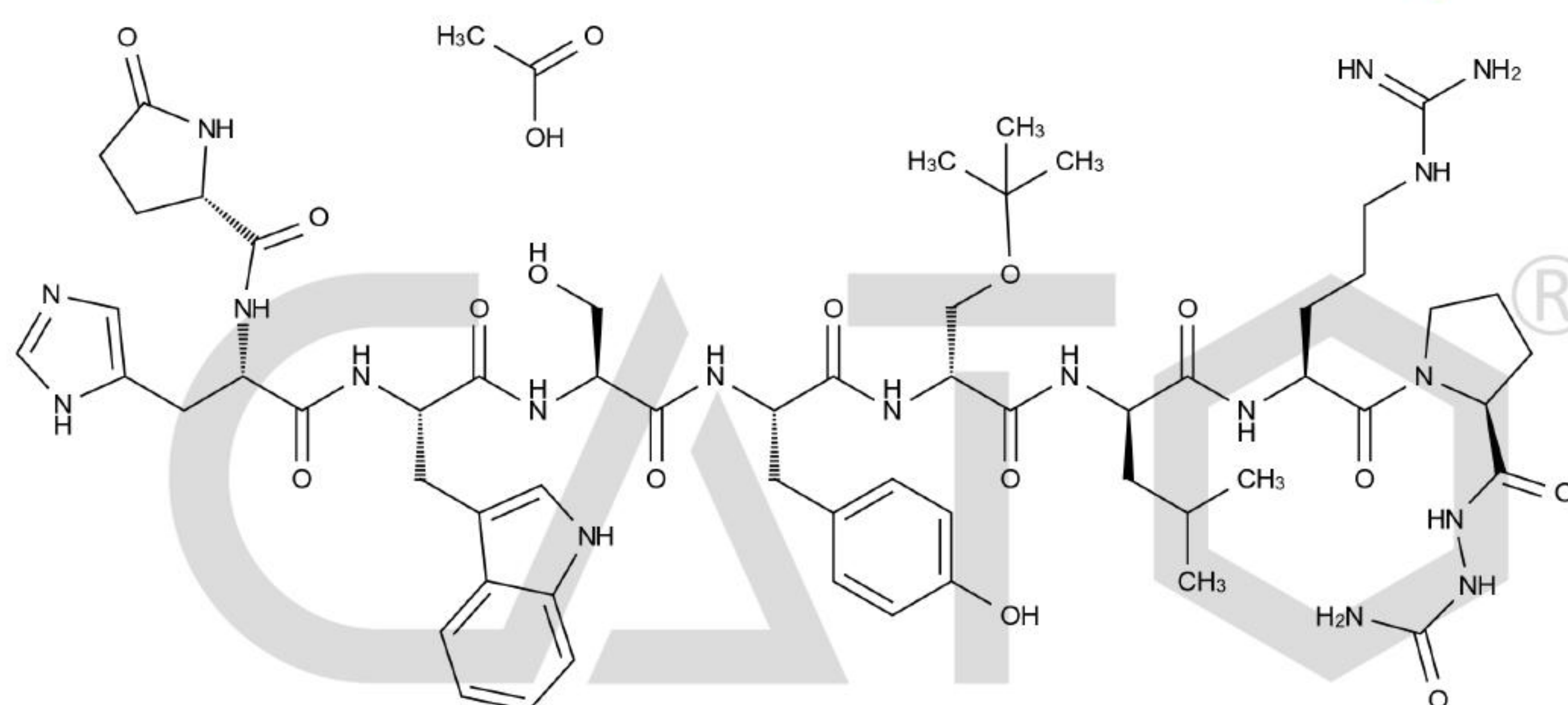
Reference Material & Standard

Product Name:	Goserelin EP Impurity L Acetate	Catalogue Number:	C4X-192012
Synonyms:	N/A	Lot Number:	0207-RC-0030
CAS Number:	1926163-38-3(free base)	Expiry Date:	Feb 28, 2025
Molecular Formula:	C ₅₉ H ₈₄ N ₁₈ O ₁₄ C ₂ H ₄ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1269.41 60.05	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.9553%
Loss on Drying	TGA	3.85%
Assay		93.2%

Comment:

1. Acetic acid: 6.0%
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

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Date: Mar 01, 2021

Date: Mar 04, 2021

Date: Mar 04, 2021



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