PEPTICIAN

CERTIFICATE OF ANALYSIS

# Gonadorelin Acetate 5mg

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|---|---|---|---|
| **Cat. No:** | PCT6CDBDD | **Batch No:** | PCT-6CDBDD |
| **CAS No:** | 33515-09-2 | **Issue Date:** | 30 May 2025 |
| **Product Name:** | Gonadorelin Acetate 5mg | **Quantity:** | 5 mg |

## PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Molecular Formula:** | C55H75N17O13 | **Form:** | Lyophilised Powder |
| **Molecular Weight:** | 1182.3 g/mol | **Storage:** | Powder: -20°C (3 yrs) ; 4°C (2 yrs) ; 15°C (3 mo)<br>In solution: -80°C (6 mo) ; -20°C (1 mo) ; 10°C (1 wk) |

## RESEARCH APPLICATIONS

GnRH research, gonadotropin stimulation, reproductive endocrinology, HPG axis studies

## ANALYTICAL DATA

| Test Item | Specification | Result | Status |
|---|---|---|---|
| Appearance | White to off-white lyophilised powder | Conforms | **PASS** |
| Purity (HPLC) | >98% | 98.4% | **PASS** |
| TFA Content | <0.50% | Conforms | **PASS** |
| Solubility | Soluble in sterile water or acetic acid (0.6%) | Conforms | **PASS** |

*Conclusion: The product has been tested and complies with the given specifications.*

*Caution: Product has not been fully validated for medical applications. For research use only. Not for human consumption.*