

Specification

Technical Data Sheet

CAS 74381-53-6	STORAGE -15 to -20 °C	MOLECULAR WEIGHT 1269.40
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PRODUCT**Leuprolide acetate**

Product number	90027401
CAS number	74381-53-6
Molecular formula	C ₅₉ H ₈₄ N ₁₆ O ₁₂ · C ₂ H ₄ O ₂
Molecular weight	1269.40 g/mol

PARAMETER	SPECIFICATION
Appearance	White to Off-white powder
Purity	≥ 97.5% (Peptide purity - HPLC)
Acetic acid	4.7 - 9.0% (HPLC)
Residual Solvents: Acetonitrile	≤ 0.041% (HPLC)
Residual Solvents: Methylene dichloride	≤ 0.060% (HPLC)
Specific optical rotation	-38.0 to -42.0°
Total Impurities	≤ 2.5% (HPLC)
Any individual impurity	≤ 1.0% (HPLC)
Residual Solvents: Dimethylformamide	≤ 0.088% (HPLC)
Water (KF)	≤ 5.0%

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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