

1. Identification

Catalogue Number

L330602

Lot Number

2023-GHZ-001

Product Name

Leuprolide-d5 Acetate

Synonyms

6-D-Leucine-9-(N-ethyl-L-prolinamide)-10-deglycinamideteinizing-d5 Acetate; Hormone-Releasing Factor (Pig) Acetate; A 43818-d5 Acetate; Abbott 43818-d5 Acetate; Leuprorelin-d5 Acetate; Lupron-d5 Acetate; Procren Depot-d5 Acetate; Procrin-d5 Acetate; Prostap-d5 Acetate; TAP 144-d5 Acetate; TAP 144SR-d5 Acetate;

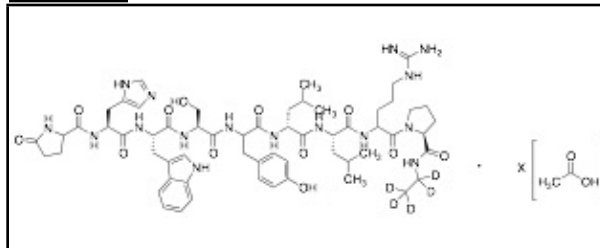
CAS Number

N/A

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₅₉H₇₉D₅N₁₆O₁₂ • x(C₂H₄O₂)

Source of Product

N/A

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

1214.45 + x(60.05)

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 52.68, %H: 7.15, %N: 15.58
HPLC Purity	>95%	97.78% (197 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%
Acetate Content	Report Result	13.17% by Ion Chromatography
Specific Rotation	Report Result	-34.3° (c = 0.1, Methanol)

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.00%, d₄ = 0.00%, d₅ = 100.00%

x = 3

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			1/9/2023	1/7/2027
Henry Tieu	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Jr. Quality Assurance		