



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

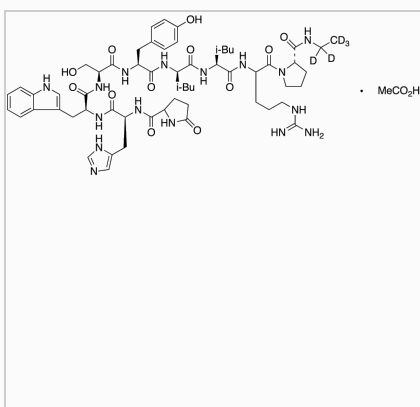
Catalogue Number: L330602

CAS Number: NA

Synonym: 6-D-Leucine-9-(N-ethyl-L-prolinamide)-10-deglycinamideluteinizing-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;

Product: Leuprolide-d5 Acetate

Structure:



Molecular Formula:

$C_{59}H_{79}D_5N_{16}O_{12} \cdot x(C_2H_4O_2)$

Molecular weight:

$1214.45 + x(60.05)$

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 13-XJZ-106-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Beige Solid	Off-White to Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 51.39, %H: 6.80, %N: 15.59
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.3%
HPLC Purity	Report Result	95.79% (220 nm)

Additional Information:

Normalized Intensity: d0 = 0.26%, d1 = 0.00%, d2 = 0.00%, d3 = 0.34%, d4 = 1.76%, d4 = 97.64%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Neha Khanna	Chanell Chu	9/22/2022	9/20/2026
				