



CERTIFICATE OF ANALYSIS

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1. Identification

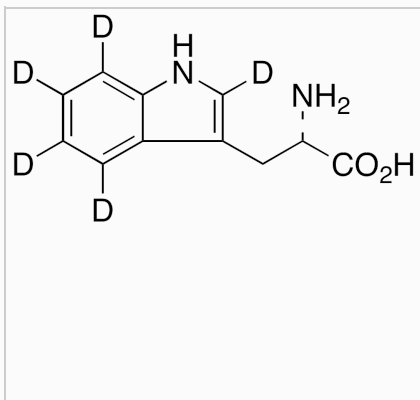
Catalogue Number: T947212

CAS Number: 62595-11-3

Product: L-Tryptophan-d5

Synonym: (+/-)-Tryptophan-d5; (-)-1H-Indole-3-alanine-d5; L- α -Amino-3-indolepropionic Acid-d5; NSC 13119-d5; L- α -Aminoindole-3-propionic Acid-d5;

Structure:



Molecular Formula:

$C_{11}H_7D_5N_2O_2$

Molecular weight:

209.26

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly),
Aqueous Base (Slightly),
Methanol (Slightly, Sonicated),

Lot Number: 10-XJZ-77-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Brown Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-24.0° (c = 0.1, Water)
Isotopic Purity	>95%	98.5%

Additional Information:

Normalized Intensity: d0 = 0.00%, d1 = 0.01%, d2 = 0.02%, d3 = 0.19%, d4 = 6.83%, d5 = 92.95%

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
Nicole Yip	Toni Rantanen	My Nguyen	11/9/2020	11/7/2030