

1. Identification

Catalogue Number

T947210

Lot Number

2023-VIJ-018

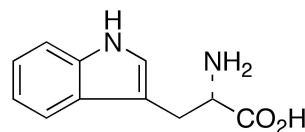
Product Name

L-Tryptophan

Synonyms

(-)-Tryptophan; (-)-1H-Indole-3-alanine; L-?-Amino-3-indolepropionic Acid; NSC 13119; L-?-Aminoindole-3-propionic Acid; (S)-2-Amino-3-(3-indolyl)propionic acid

Structure



CAS Number

73-22-3

Solubility

Aqueous Acid (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₁H₁₂N₂O₂

Source of Product

N/A

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

204.23

Purity

98%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 64.00, %H: 5.78, %N: 13.24
HPLC Purity	Report Result	100.00% (220 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-29.1° (c = 1.0, Water)

Additional Information

N/A

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>
			5/26/2023	5/24/2027
Swathi Reddy	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		