

## 1. Identification

Catalogue Number

T947210

Lot Number

712211931-6-2

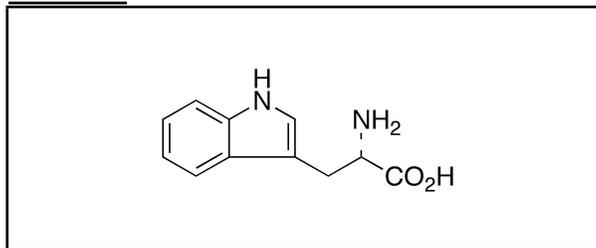
Product Name

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), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

Source of Product

N/A

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

204.23

Purity

>95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

Tests

Appearance

Specifications

White to Pale Beige Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 64.49, %H: 5.85, %N: 13.62

HPLC Purity

>95%

98.53% (220 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-24.6° (c = 0.1, 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

Reviewed by

*A. Vijaya*

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

*Toni Rantanen*

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

*Christina Gouliaras*

Christina Gouliaras

Quality Assurance Associate

Test Date

4/25/2025

Retest Date

4/23/2029