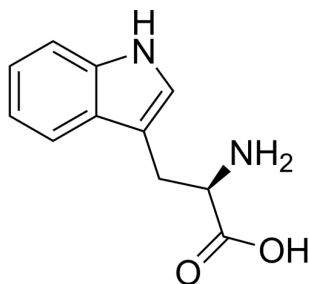


## Certificate of Analysis

### Compound Information

Product Name:	H-D-Trp-OH
Cat. No.:	1022391
CAS No.:	153-94-6
Molecular Formula:	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	204.23
Chemical Structure:	



### Batch Information

Batch No.:	Lf0919169202
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2022-09-21
Retest Date:	2025-09-20
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Optical Rotation:	Consistent with structure
Purity (HPLC):	98.27%
Loss on Drying(≤0.20%):	0.08%
Chloride(Cl ≤200PPM):	Conform
Ammonium (NH <sub>4</sub> ≤200PPM) :	Conform
Iron(Fe ≤20PPM):	Conform
Sulfate(So <sub>4</sub> ≤200PPM):	Conform
Residue on ignition(≤0.10%):	0.09%
Heavy metals(Pb ≤10PPM):	Conform
Arsenic(As <sub>2</sub> O <sub>3</sub> ≤1PPM):	Conform
PH(5.40~6.40):	5.91
Conclusion:	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai