

# Certificate of Analysis

## 5-OH-Tryptophan

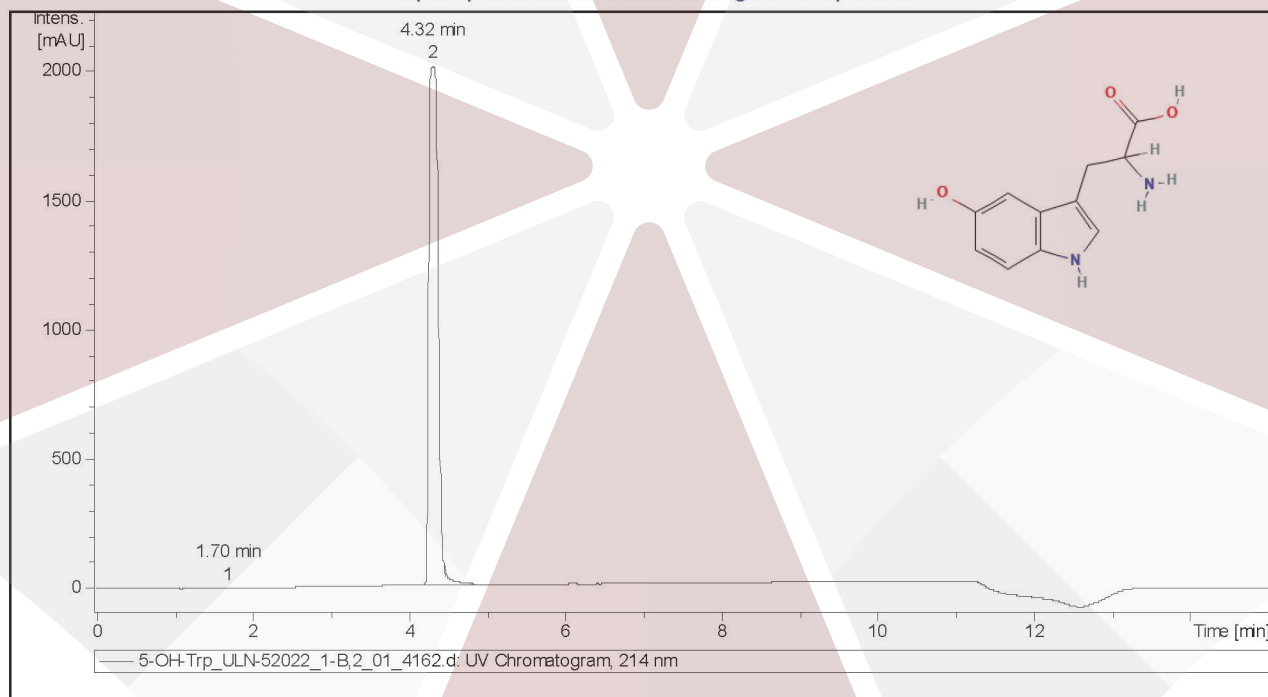
2-amino-3-(5-hydroxy-1H-indol-3-yl)propanoic acid

**Compound** : 5-OH-Trp  
**Lot number** : ULN-52022  
**Analysis date** : 2023-09-21  
**Purity %** : 99.8%  
**Method** : Mass Spectrometry & UV

**Client** : UMBRELLA.us  
 3280 E Hemisphere Loop  
 Tucson, Arizona 85706

PubChem CID: 144

<https://pubchem.ncbi.nlm.nih.gov/compound/144>



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
1.70	2.90E+01	0.2	
<b>4.32</b>	<b>1.65E+04</b>	<b>99.8</b>	<b>5-OH-Trp</b>

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
 contact@mzbiolabs.com

Purity determined using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass: 220.1 g  
 Measured mass: 220.1 g  
 Molecular weight confirmed



2023-09-21