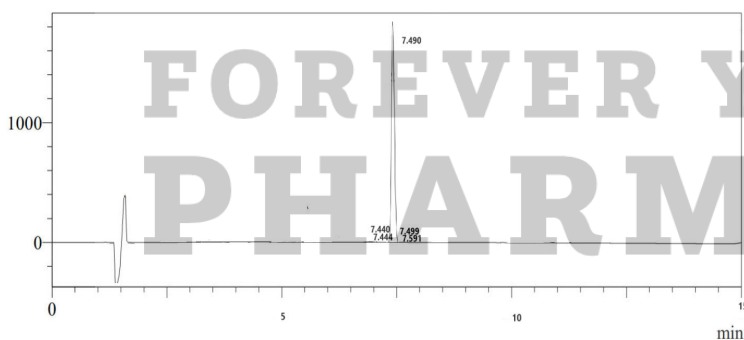


**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

|                              |                          |
|------------------------------|--------------------------|
| <b>Product Name</b>          | SLU-PP-332 Raw Powder    |
| <b>Client Name/Lot No.</b>   | Biopep Research Peptides |
| <b>Sequence</b>              | C18H14N2O2               |
| <b>Dissolution condition</b> | 100% Methanol            |
| <b>Length</b>                | N/A                      |
| <b>Molecular Weight</b>      | 290.32 g/mol             |

**CHROMATOGRAM**



| Peak # | Ret. Time | Area % |
|--------|-----------|--------|
| 1      | 7.440     | 0.108  |
| 2      | 7.444     | 0.217  |
| 3      | 7.490     | 99.149 |
| 4      | 7.499     | 0.262  |
| 5      | 7.591     | 0.264  |

**TEST RESULTS**

|                   | Specifications        | Results  |
|-------------------|-----------------------|----------|
| <b>Strength</b>   | 20.00 mg              | 20.01 mg |
| <b>Appearance</b> | White raw powder      | Conforms |
| <b>Purity</b>     | ≥98.0%                | 99.1%    |
| <b>pH value</b>   | 6.0-8.0               | 7.0      |
| <b>Impurity</b>   | Single Impurity ≤1.0% | 0.2%     |
|                   | Total Impurity ≤2.0%  | 0.9%     |

**TEST PARAMETERS**

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| <b>Pump A</b>                 | 0.1% trifluoroacetic in 100% water                 |
| <b>Pump B</b>                 | 100% Methanol                                      |
| <b>Total Flow</b>             | 1.0ml/min                                          |
| <b>Wavelength</b>             | 220nm                                              |
| <b>Analytical Column Type</b> | Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm) |
| <b>Dissolution Method</b>     | 100% H2O                                           |
| <b>Injection Volume</b>       | 20uL                                               |

**CONCLUSION**

A white raw powder was received in a 5ml vial with Lot# 25050. 20mg of the substance was weighed out and used to run the analysis of the substance.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.1% SLU-PP-332 (20.01 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**

*Dane Fredericksen*

Dane Fredericksen  
Analytical Chemist  
02/21/2025

**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***

Forever Young Pharmacy [www.foreveryoungpharmacy.com](http://www.foreveryoungpharmacy.com) +16198373348 6351 Corte Del Abeto, Suite 111, Carlsbad, CA 92011

# Certificate of Analysis

## SLU-PP-332 tablets 250 mcg

4-hydroxy-N-[(E)-naphthalen-2-ylmethylideneamino]benzamide

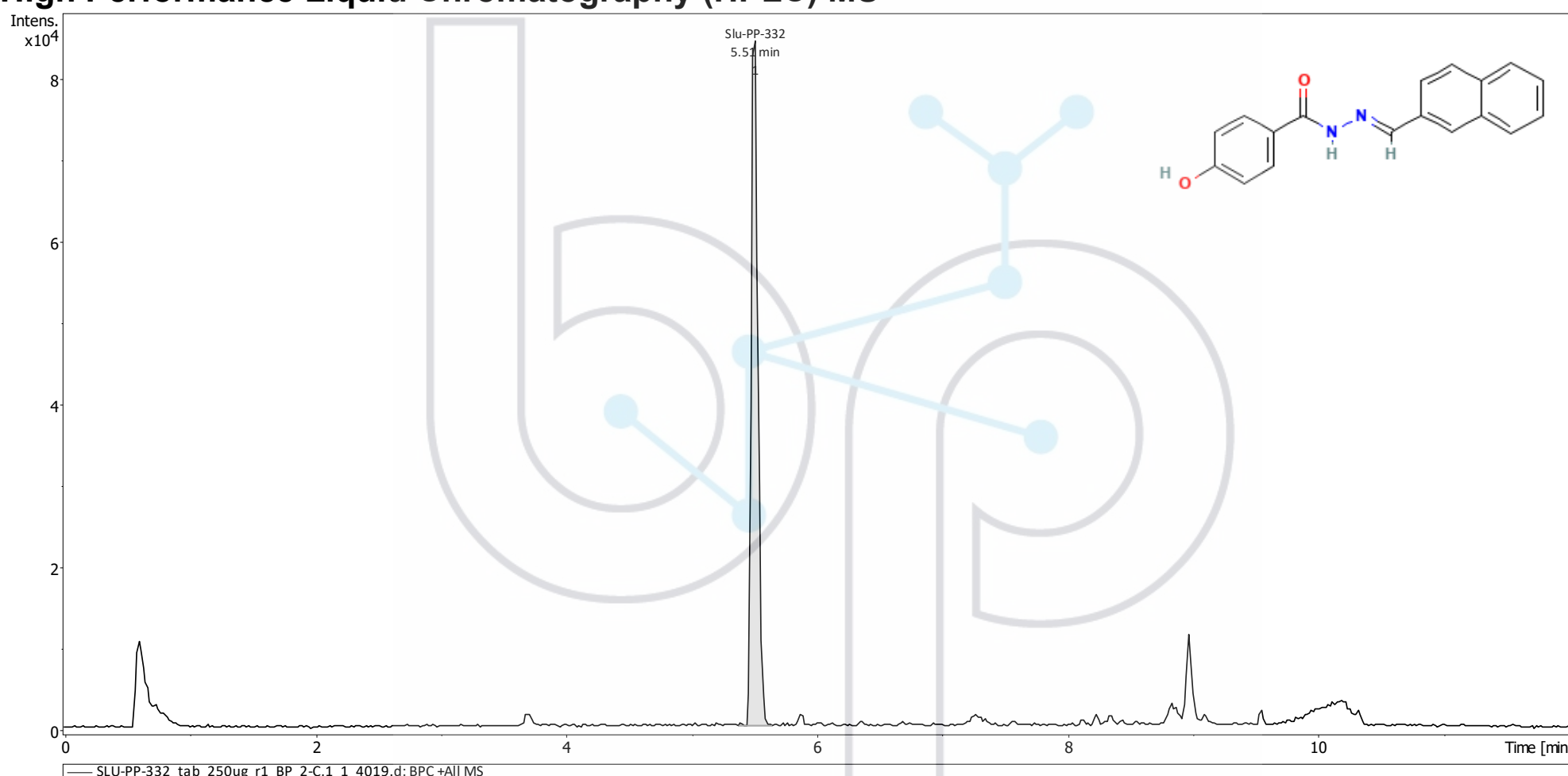
**Compound** : SLU-PP-332  
**Lot number** : 25050  
**Analysis date** : 2025-03-14  
**Quantity** : 291.47 mcg/tablet  
**Method** : HPLC-MS

**Client** : BioPep Research Peptides

PubChem CID: 135741221

<https://pubchem.ncbi.nlm.nih.gov/compound/135741221>

### High Performance Liquid Chromatography (HPLC) MS



**SLU-PP-332 detected at 5.51 minutes**

Background peaks due to tablet filler

#### Quantification by HPLC-MS

| Replicates                 | mcg/tablet    |
|----------------------------|---------------|
| SLU-PP-332_tab_250ug_r1_BP | 292.80        |
| SLU-PP-332_tab_250ug_r2_BP | 287.70        |
| SLU-PP-332_tab_250ug_r3_BP | 293.90        |
| <b>Average mcg/tablet</b>  | <b>291.47</b> |

Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)



2025-03-19

# SLU-PP-332 tablets 250 mcg

PubChem CID: 135741221

<https://pubchem.ncbi.nlm.nih.gov/compound/135741221>

## Mass Spectrometry (MS) – Identity Test

### Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Expected monoisotopic mass : 290.11 Da

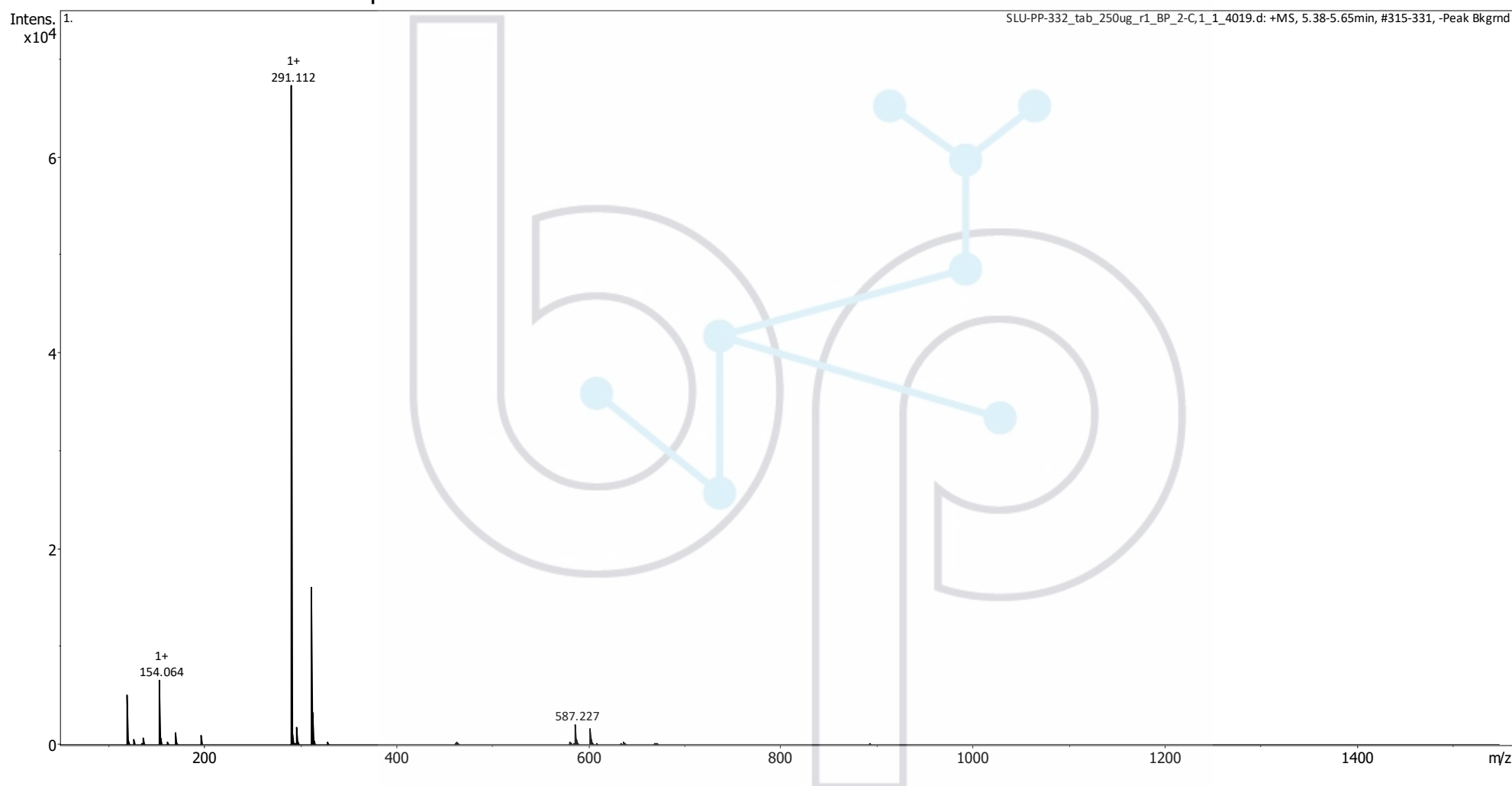
Measured monoisotopic mass : 290.11 Da

**Molecular weight confirmed**

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

### Recorded MS spectrum



Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)



2025-03-19