Horizon Analytical

# Certificate of Analysis

Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

| | |
|---|---|
| Compound: | BPC-157 |
| Report Number: | 1002311 |
| Appearance: | White Lyophilized Powder |

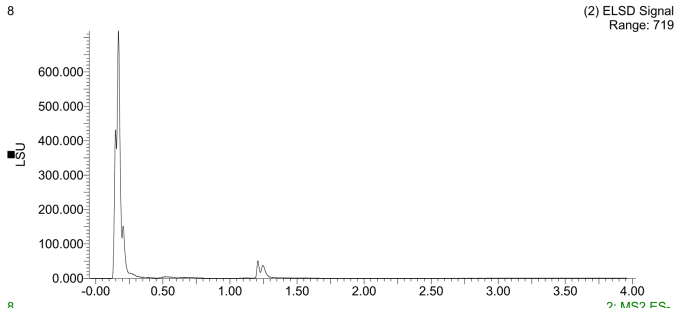
| | |
|---|---|
| CAS: | 137525-51-0 |
| Formula: | $C_{62}H_{98}N_{16}O_{22}$ |
| Mol Weight: | ~1419.5 g/mol |

Pubchem CID: 108101

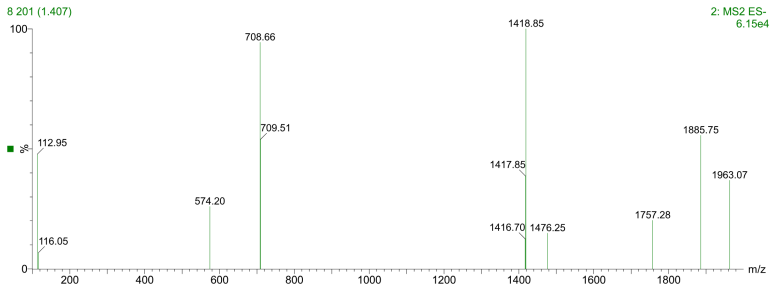
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

| | Specification | Result | Scan to Validate: |
|---|---|---|---|
| Compound Test: | BPC-157 | BPC-157 | |
| Quantity: | 10mg | 9.89mg | |
| Purity: | ≥98% | 99.65% | |

UPLC




MS




Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

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Horizon Analytical

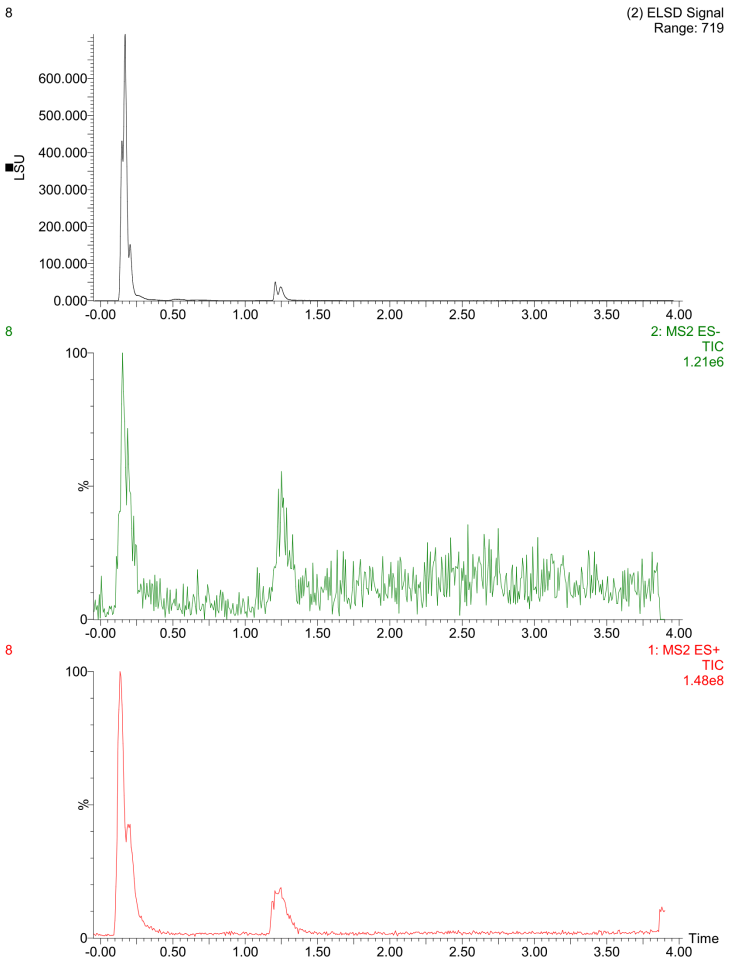
# Certificate of Analysis

Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

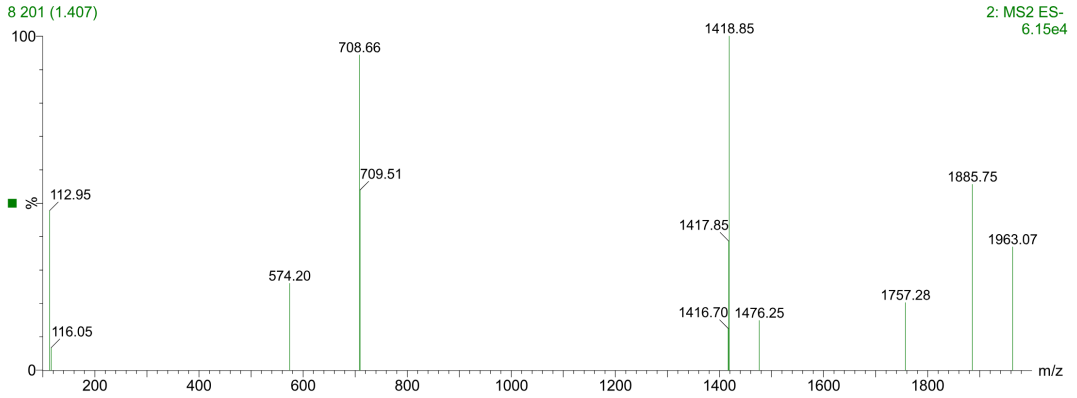
Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

BPC-157 (10mg) • Pubchem CID: 108101

Ultra High Performance Liquid Chromatography (UPLC)




Mass Spectrometry (MS)



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# Certificate of Analysis

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Client Name: Direct Peptides
Identity: -

Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

| | |
|---|---|
| Compound: | TB-500 |
| Report Number: | 1002311 |
| Appearance: | White Lyophilized Powder |

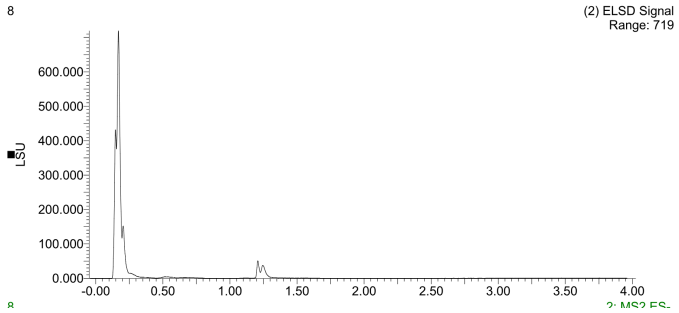
| | |
|---|---|
| CAS: | 77591-33-4 |
| Formula: | $C_{212}H_{350}N_{56}O_{78}S$ |
| Mol Weight: | ~4963 g/mol |

Pubchem CID: 16132341

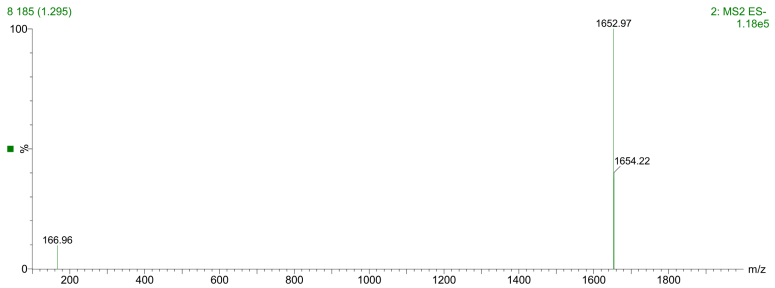
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

| | Specification | Result | Scan to Validate: |
|---|---|---|---|
| Compound Test: | TB-500 | TB-500 | |
| Quantity: | 10mg | 10.11mg | |
| Purity: | ≥98% | 99.33% | |

UPLC




MS





Aleksey Yevtodiyenko PhD
Research and Formulation Chemist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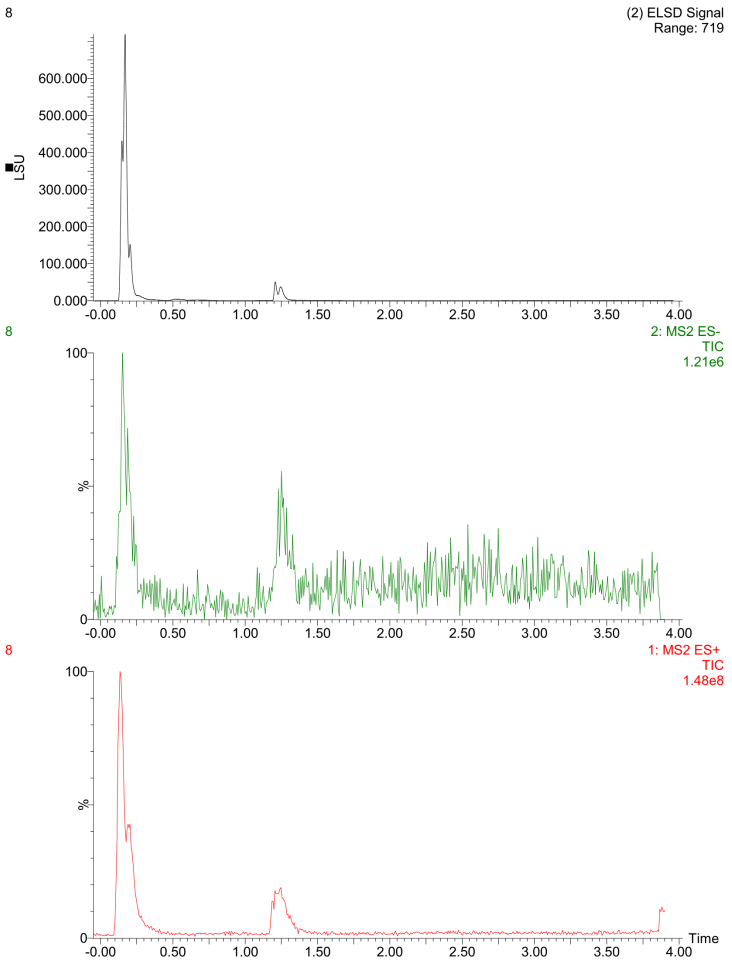
# Certificate of Analysis

Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

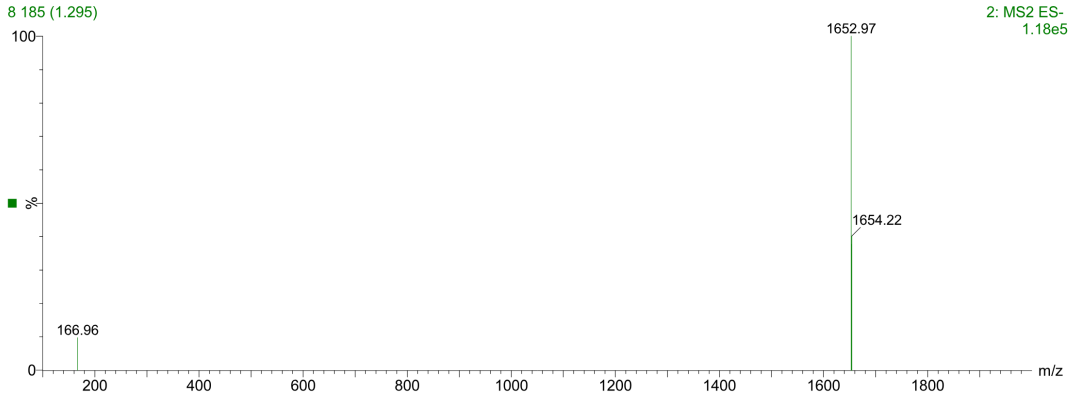
Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

TB-500 (10mg) • Pubchem CID: 16132341

Ultra High Performance Liquid Chromatography (UPLC)




Mass Spectrometry (MS)



Horizon Analytical

# Certificate of Analysis

Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

| | |
|---|---|
| Compound: | GHK-Cu |
| Report Number: | 1002311 |
| Appearance: | Blue Lyophilized Powder |

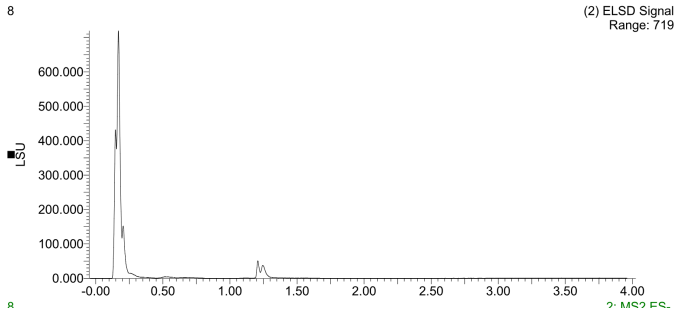
| | |
|---|---|
| CAS: | 89030-95-5 |
| Formula: | $C_{14}H_{23}CuN_6O_4$ |
| Mol Weight: | ~402.92 g/mol |

Pubchem CID: 71587328

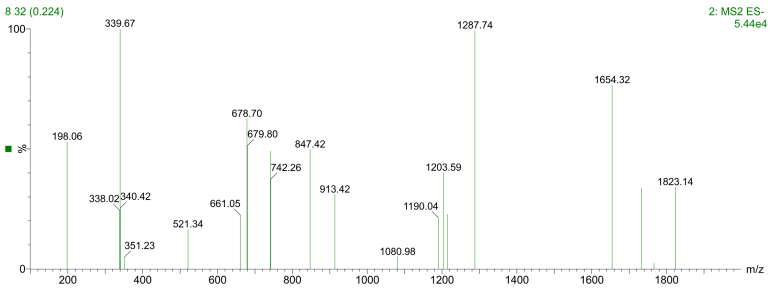
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

| | Specification | Result | Scan to Validate: |
|---|---|---|---|
| Compound Test: | GHK-Cu | GHK-Cu | |
| Quantity: | 50mg | 49.5mg | |
| Purity: | ≥98% | 99.56% | |

UPLC




MS




**Aleksey Yevtodiyenko PhD**
Research and Formulation Chemist

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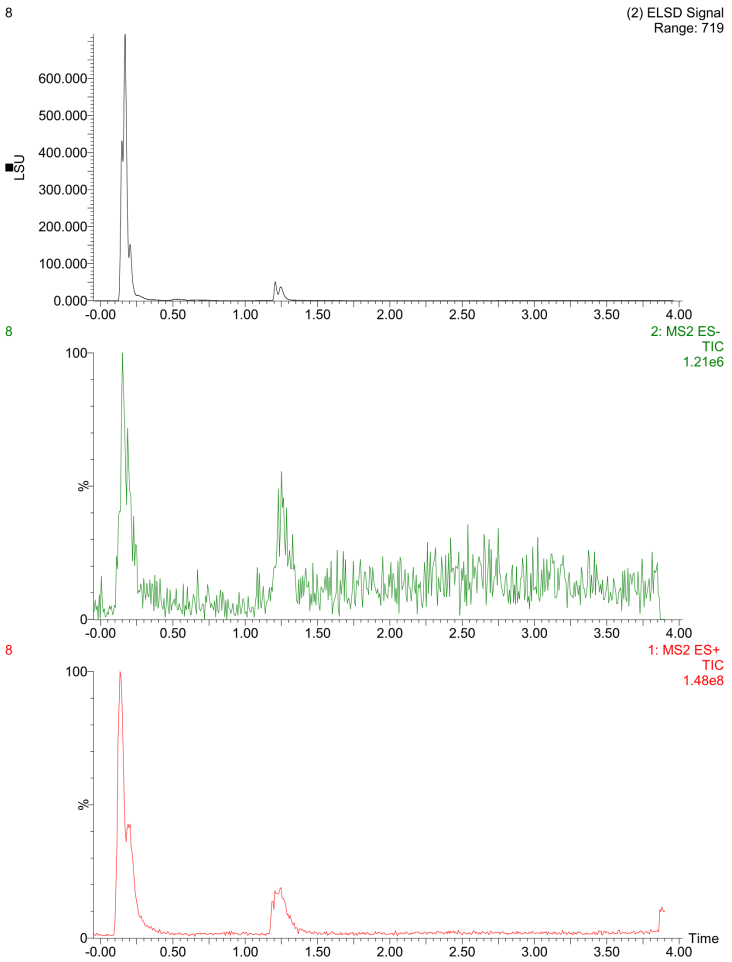
# Certificate of Analysis

Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

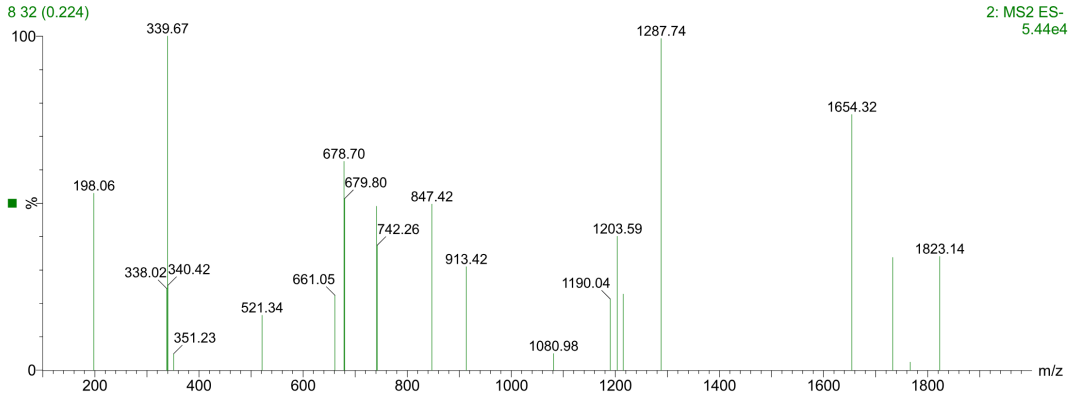
Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

GHK-Cu (50mg) • Pubchem CID: 71587328

## Ultra High Performance Liquid Chromatography (UPLC)




## Mass Spectrometry (MS)



Horizon Analytical

# Certificate of Analysis

Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

| | |
|---|---|
| Compound: | KPV |
| Report Number: | 1002311 |
| Appearance: | White Lyophilized Powder |

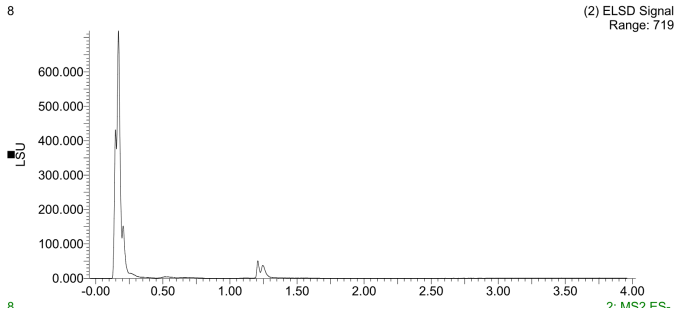
| | |
|---|---|
| CAS: | 112965-21-6 |
| Formula: | $C_{17}H_{32}N_6O_4$ |
| Mol Weight: | ~384.48 g/mol |

Pubchem CID: 9929972

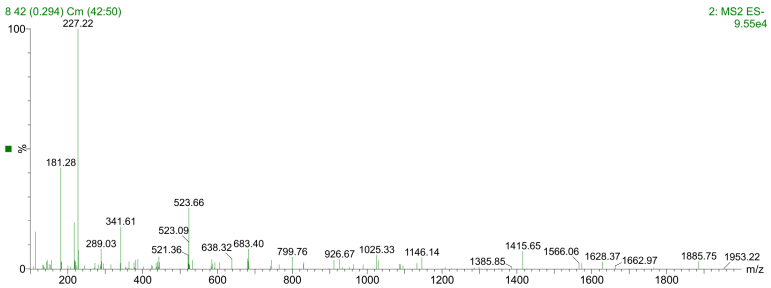
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

| | Specification | Result | Scan to Validate: |
|---|---|---|---|
| Compound Test: | KPV | KPV | |
| Quantity: | 10mg | 9.87mg | |
| Purity: | ≥98% | 99.15% | |

UPLC




MS

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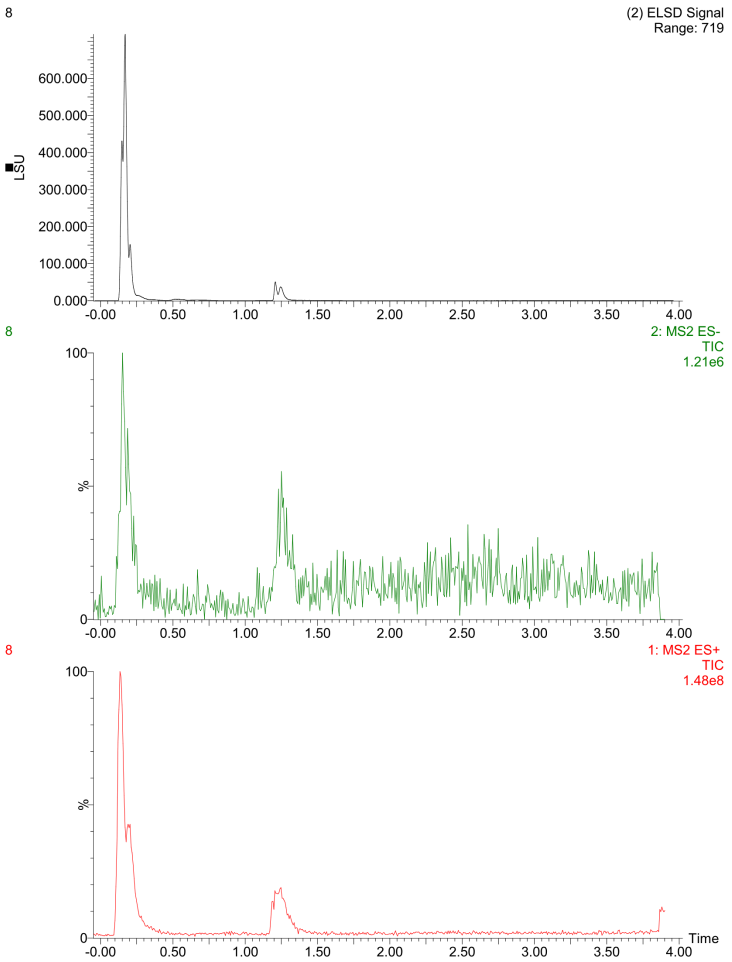
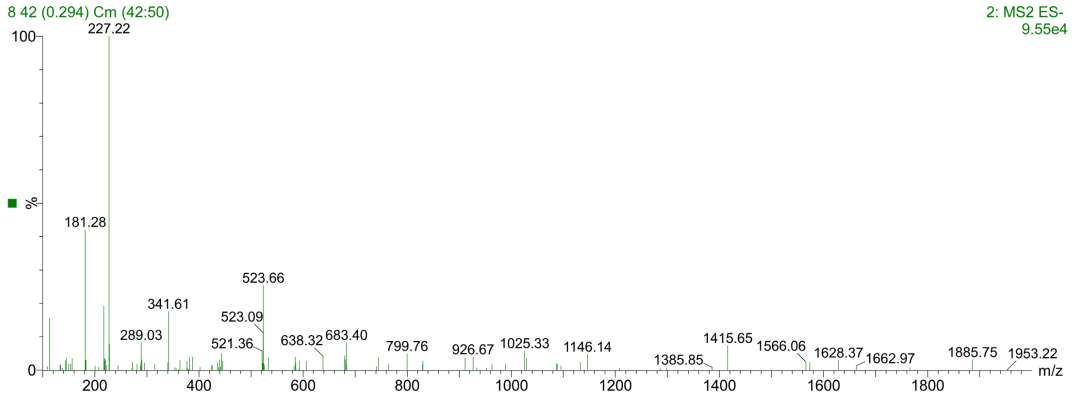
Lot Number: DPS-1551352
Client Name: Direct Peptides
Identity: -

Lab Received Date: 04/16/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

KPV (10mg) • Pubchem CID: 9929972

Ultra High Performance Liquid Chromatography (UPLC)




Mass Spectrometry (MS)