

GLOW — Certificates of Analysis

Every batch we have tested for this product, newest first.
Match the strength on your vial to the rows below and turn to that page.

PAGE	STRENGTH	BATCH / LOT
2–10	10mg, 33mg, 50mg, 70mg, 82mg, 98mg, 100mg, 150mg, 200mg, 300mg, 400mg, 500mg, 600mg, 800mg, 900mg, 1000mg	8/2/2026, 8/11/2026, 8/19/2026, 8/26/2026, 9/2/2026, 9/9/2026, 9/16/2026, 9/23/2026, 9/30/2026, 10/7/2026, 10/14/2026, 10/21/2026, 10/28/2026, 11/4/2026, 11/11/2026, 11/18/2026, 11/25/2026, 12/2/2026, 12/9/2026, 12/16/2026, 12/23/2026, 12/30/2026, 1/6/2027, 1/13/2027, 1/20/2027, 1/27/2027, 2/3/2027, 2/10/2027, 2/17/2027, 2/24/2027, 3/2/2027, 3/9/2027, 3/16/2027, 3/23/2027, 3/30/2027, 4/6/2027, 4/13/2027, 4/20/2027, 4/27/2027, 5/4/2027, 5/11/2027, 5/18/2027, 5/25/2027, 6/1/2027, 6/8/2027, 6/15/2027, 6/22/2027, 6/29/2027, 7/6/2027, 7/13/2027, 7/20/2027, 7/27/2027, 8/3/2027, 8/10/2027, 8/17/2027, 8/24/2027, 8/31/2027, 9/7/2027, 9/14/2027, 9/21/2027, 9/28/2027, 10/5/2027, 10/12/2027, 10/19/2027, 10/26/2027, 11/2/2027, 11/9/2027, 11/16/2027, 11/23/2027, 11/30/2027, 12/7/2027, 12/14/2027, 12/21/2027, 12/28/2027, 1/4/2028, 1/11/2028, 1/18/2028, 1/25/2028, 2/1/2028, 2/8/2028, 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Lot Number: **IWR-6055127-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **06/29/2026**
 Analysis Conducted: **06/24/2026**
 Searchable via: **horizonanalytical.com**

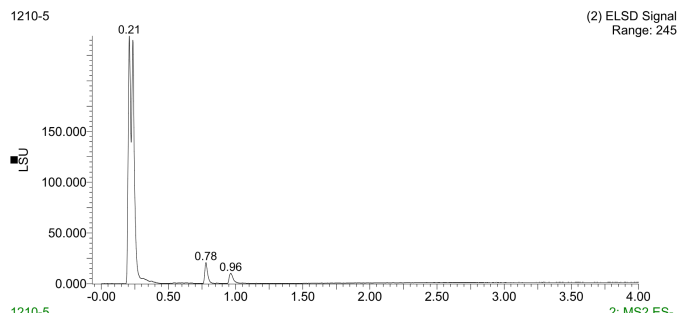
Compound:	BPC-157
Lot:	IWR-6055127-P
Appearance:	Blue Lyophilized Powder

CAS:	137525-51-0
Formula:	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Mol Weight:	~1419.5 g/mol

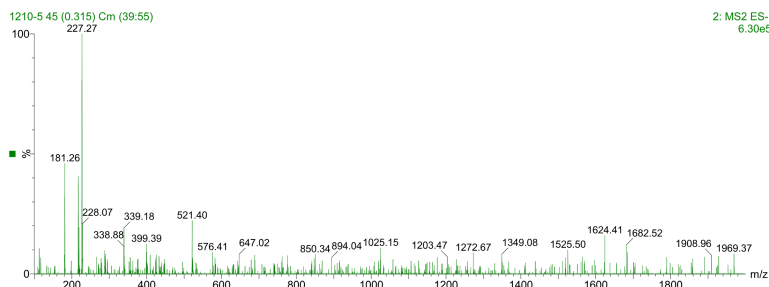
Pubchem CID: 108101

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	9.88mg	
Purity:	≥ 98%	99.31%	



UPLC



MS

Aleksey Yevtodiyyenko PhD
 Research and Formulation Chemist

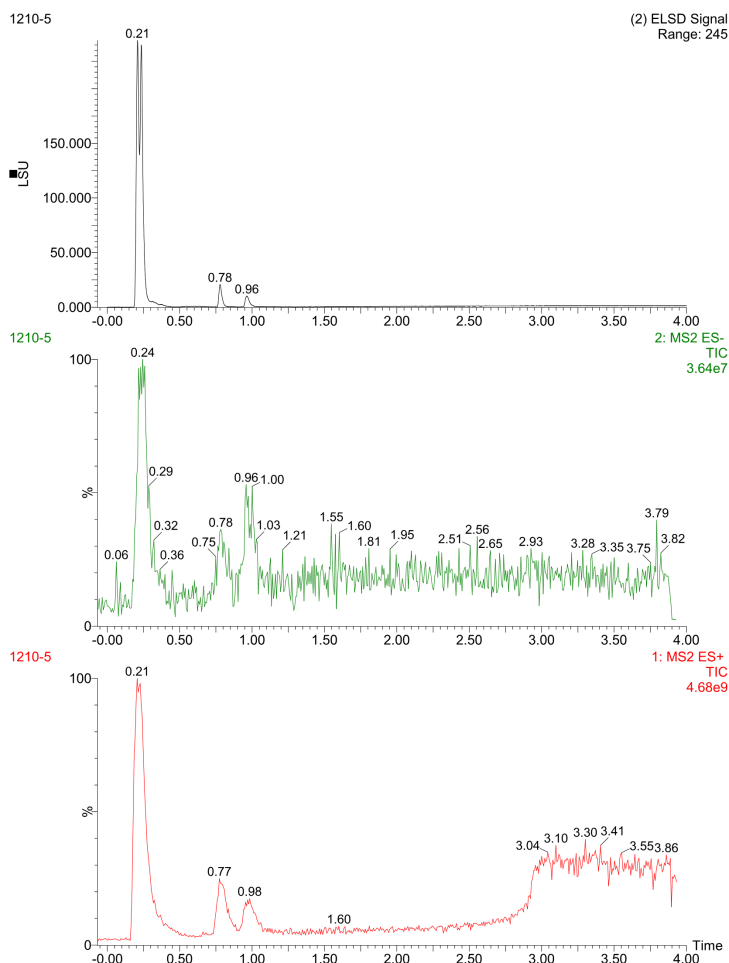


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

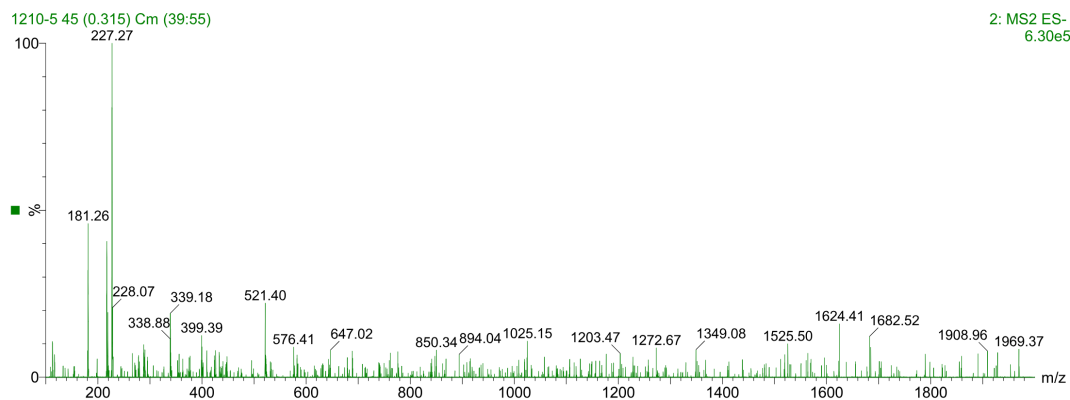
Lot Number: IWR-6055127-P
 Client Name: Iron Within Research
 Identity: www.ironwithinresearch.com

Received Date: 06/29/2026
 Analysis Conducted: 06/24/2026
 Searchable via: horizonanalytical.com

BPC-157 (10mg) • Pubchem CID: 108101
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: **IWR-6055127-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **06/29/2026**
 Analysis Conducted: **06/24/2026**
 Searchable via: **horizonanalytical.com**

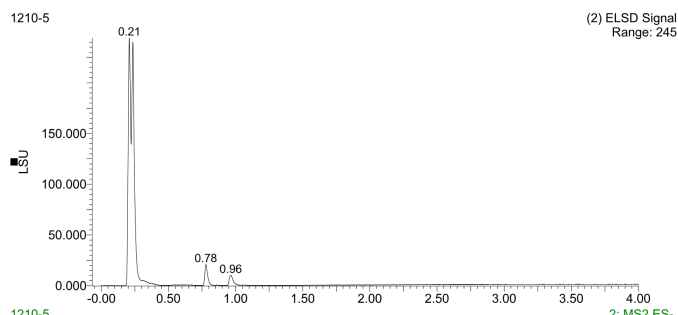
Compound:	TB-500
Lot:	IWR-6055127-P
Appearance:	Blue Lyophilized Powder

CAS:	77591-33-4
Formula:	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Mol Weight:	~4963 g/mol

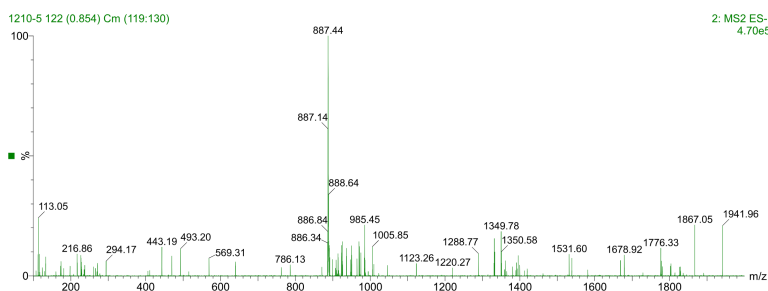
Pubchem CID: 16132341

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	9.88	
Purity:	≥ 98%	99.27%	



UPLC



MS

Aleksey Yevtodiyenko PhD
 Research and Formulation Chemist

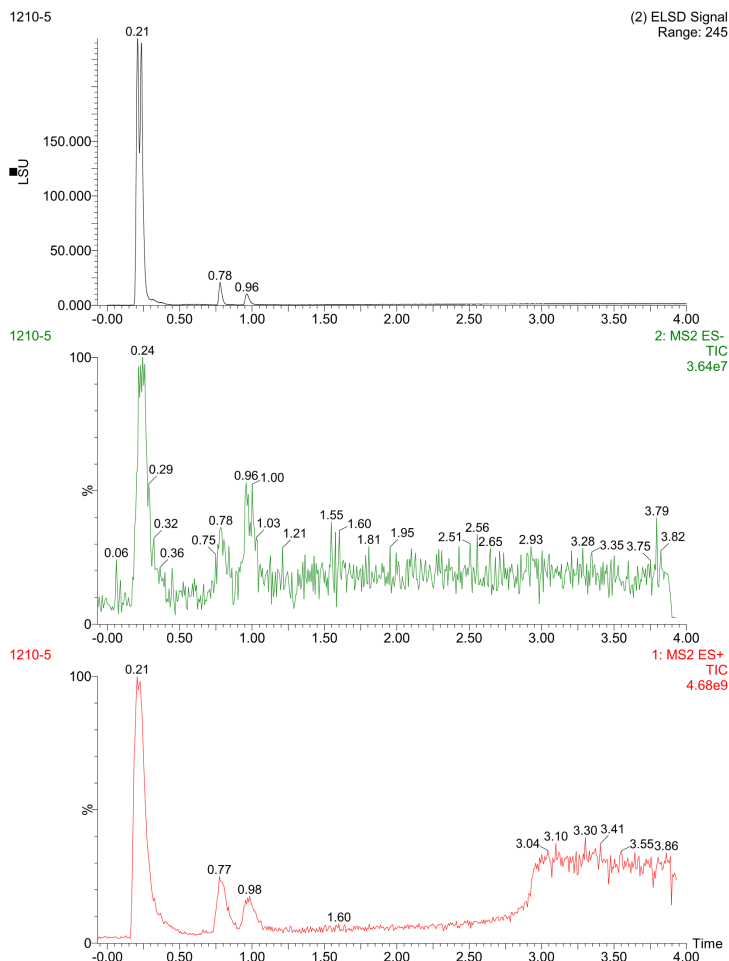


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

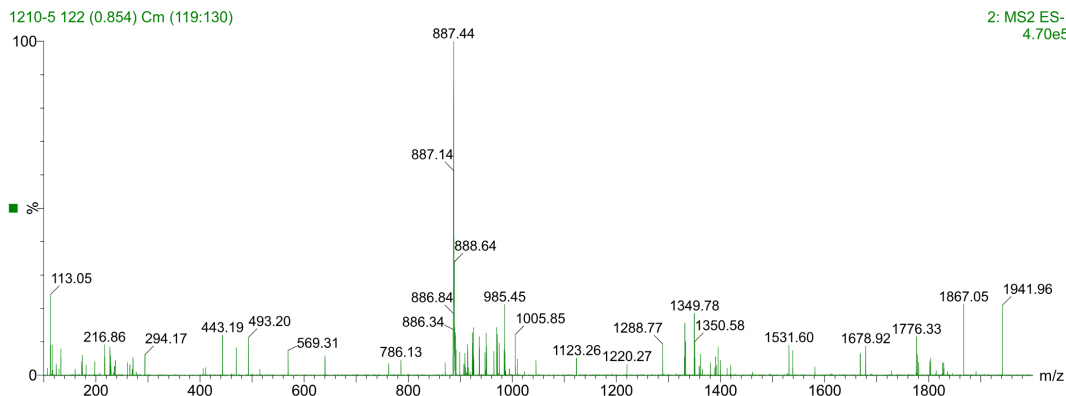
Lot Number: IWR-6055127-P
Client Name: Iron Within Research
Identity: www.ironwithinresearch.com

Received Date: 06/29/2026
Analysis Conducted: 06/24/2026
Searchable via: horizonanalytical.com

TB-500 (10mg) • Pubchem CID: 16132341
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: **IWR-6055127-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **06/29/2026**
 Analysis Conducted: **06/24/2026**
 Searchable via: **horizonanalytical.com**

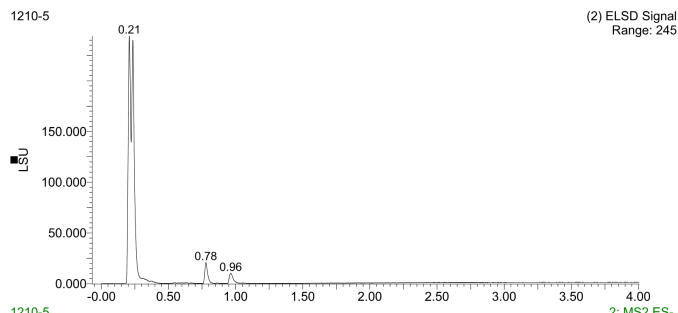
Compound:	GHK-Cu
Lot:	IWR-6055127-P
Appearance:	Blue Lyophilized Powder

CAS:	89030-95-5
Formula:	C ₁₄ H ₂₃ CuN ₆ O ₄
Mol Weight:	~402.92 g/mol

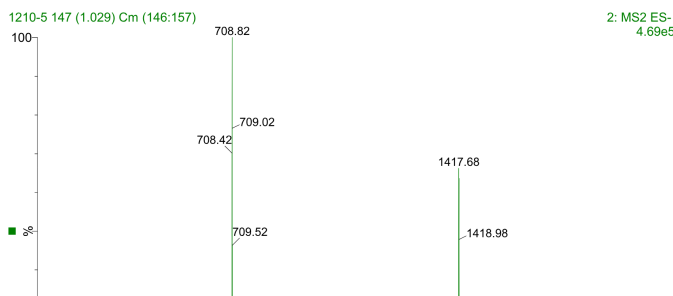
Pubchem CID: 71587328

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	50.5gm	
Purity:	≥ 98%	99.56%	



UPLC



MS

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

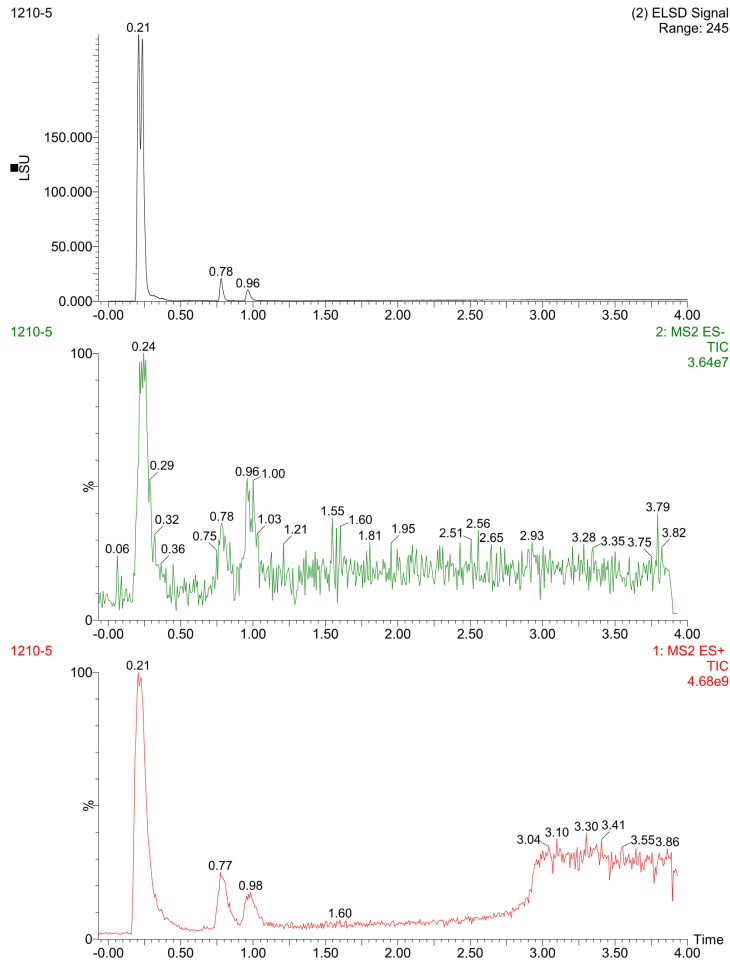


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

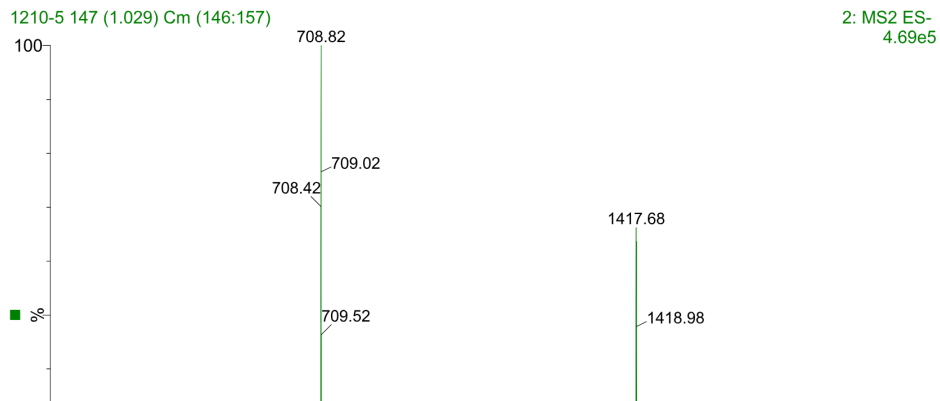
Lot Number: IWR-6055127-P
 Client Name: Iron Within Research
 Identity: www.ironwithinresearch.com

Received Date: 06/29/2026
 Analysis Conducted: 06/24/2026
 Searchable via: horizonanalytical.com

GHK-Cu (50mg) • Pubchem CID: 71587328
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: [IWR-6055127-E](#)
Client Name: [Iron Within Research](#)
Identity: www.ironwithinresearch.com

Received Date: [06/29/2026](#)
Analysis Conducted: [06/24/2026](#)
Searchable via: horizonanalytical.com

Compound:	GLOW
Lot:	IWR-6055127-E
Appearance:	-

CAS:	BPC-157, TB-500, GHK-Cu
Formula:	N/A
Mol Weight:	N/A

Pubchem CID: N/A

Endotoxin Test

	Specification	Result	Scan to Validate:
Compound Test:	GLOW	-	
Endotoxin:	-	< 0.05 EU/mL	

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist



This endotoxin analysis was performed under standard laboratory conditions using validated testing methodologies to ensure accurate and reliable results. The analysis is intended for informational and research purposes only.

Contact at: contact@horizonanalytical.com

Proudly Owned and Operated in the USA 



SUMMIT
BIOANALYTICS

Certificate of Analysis

#SBA-26-0015

Summit BioAnalytics | Nassau, The Bahamas | lab@summitbioanalytics.com |
summitbioanalytics.com

TESTED FOR

Iron Within Research

SAMPLE

GHK-Cu / TB-500 / BPC-157 — 70 mg

PASS

BATCH #

**IWR-2607-
GLOW**

PURITY

99.92%

MASS

66.98 mg

IDENTITY

Confirmed

COA #:

SBA-26-0015

Method:

Full QC Panel

Lot Number:

IWR-2607-GLOW

Analysis Date:

2026-08-02

Labeled Content:

70 mg

Date Received:

2026-07-29

Appearance:

**Lavender lyophilized
cake, intact seal**



SCAN TO VERIFY



Identity



Purity



Endotoxins



Fentanyl Free



VIAL CAP

Pink

#FB84B0

CLOSURE AS
RECEIVED

Test

Specification

Result

Identity

GHK-Cu + TB-500 + BPC-157

All confirmed

Purity (HPLC, aggregate)

>= 98.0%

99.92%

Test	Specification	Result
Blend Composition	Report only	Quantified – see composition
Content (gross)	Report only	66.98 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.11 EU/mL
Sterility Screen (rapid PCR)	No growth	No growth
Heavy Metals (ICP-MS)	ICH Q3D limits	All analytes within limits

Qualitative and quantitative chemical analysis by RP-HPLC with UV detection; identity confirmed by LC-MS. Fentanyl screening by targeted LC-MS/MS. Sterility by rapid nucleic-acid amplification — a screening method, not compendial sterility per USP <71>. Full methodology available on request.

BLEND COMPOSITION

Mass basis, per-component reference standards

COMPONENT	AMOUNT	SHARE OF TOTAL	IDENTITY
GHK-Cu	47.33 mg	70.66%	Confirmed
TB-500	9.88 mg	14.75%	Confirmed
BPC-157	9.77 mg	14.59%	Confirmed

Each component is quantified on a mass basis against its own reference standard. Share of total will not match a component's area-percent in the chromatogram — different chromophores respond differently at the monitoring wavelength. Amounts are reported as measured; this certificate does not assess them against a declared formulation.



Kasey Malganus
Lab Director
2026-08-02

COA #:

SBA-26-0015

Access Code:

V2597GUJ

Analyst:

R. Whitfield

Verify:

summitbioanalytics.com/verify

Issued:

2026-08-02

Lot Number: **IWR-9351230-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **04/21/2026**
 Analysis Conducted: **04/16/2026**
 Searchable via: **horizonanalytical.com**

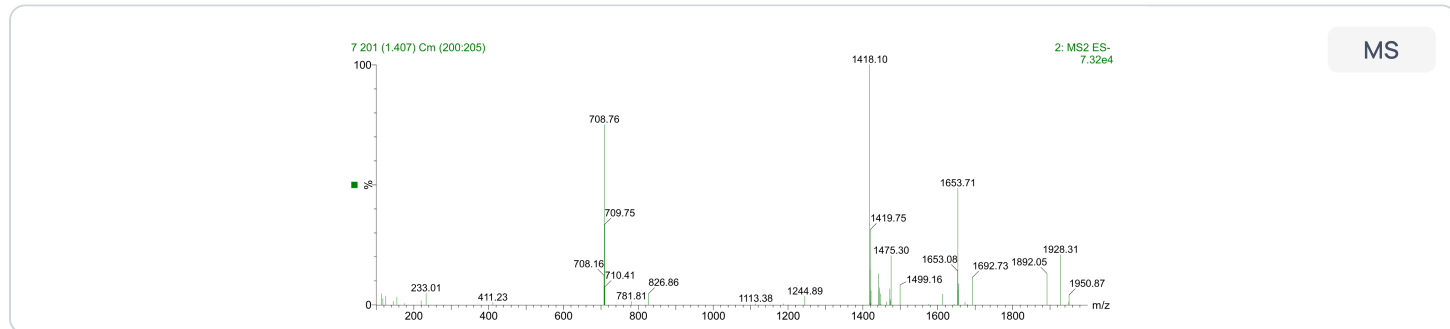
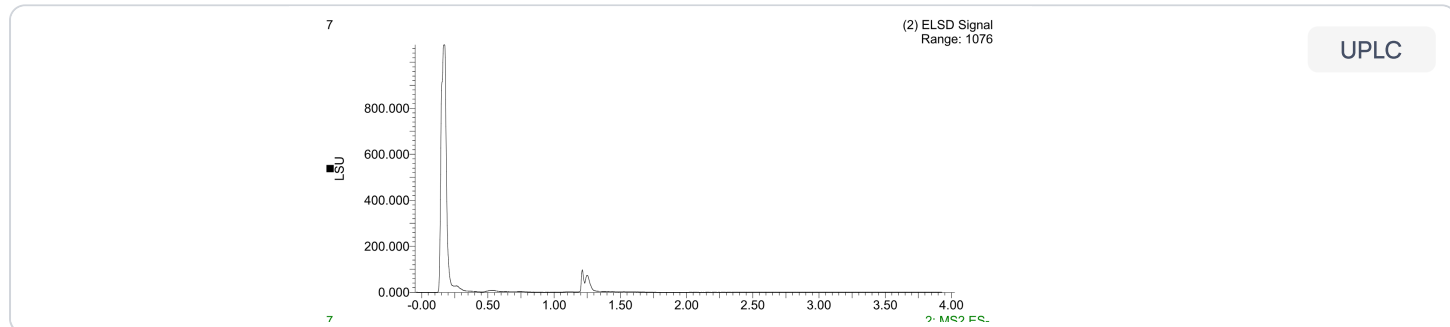
Compound:	BPC-157
Lot:	IWR-9351230-P
Appearance:	White Lyophilized Powder

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	9.82mg	
Purity:	≥98%	99.89%	



Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

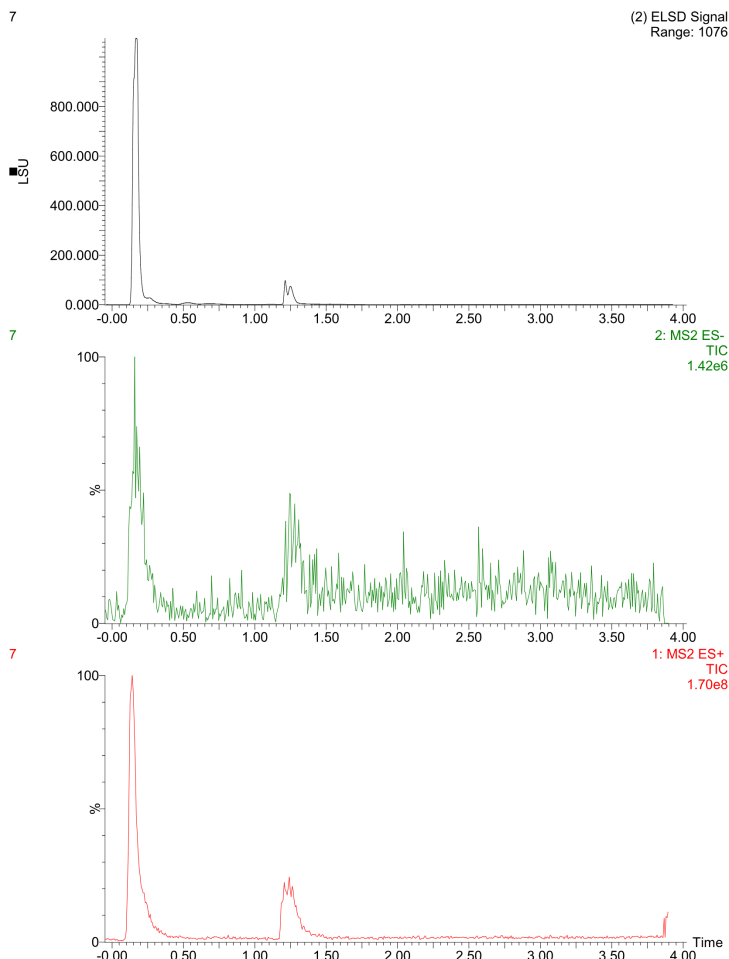


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

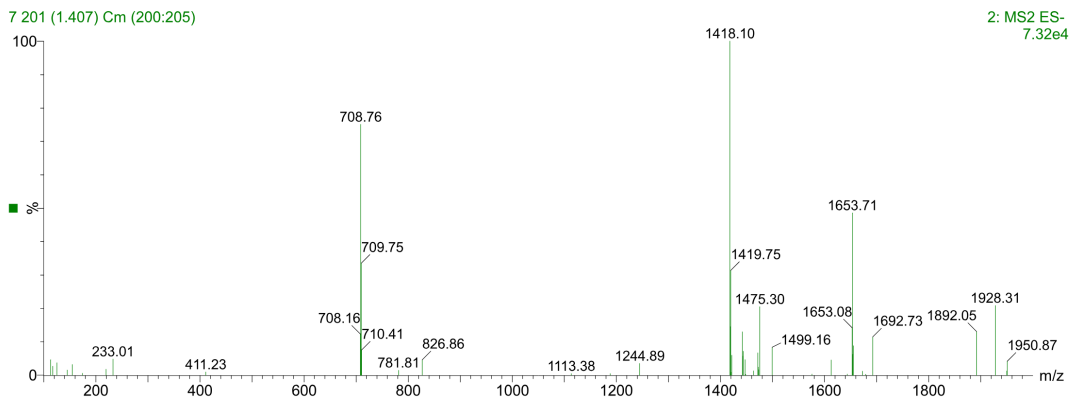
Lot Number: IWR-9351230-P
Client Name: Iron Within Research
Identity: www.ironwithinresearch.com

Received Date: 04/21/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

BPC-157 (10mg) • Pubchem CID: 108101
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: **IWR-9351230-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **04/21/2026**
 Analysis Conducted: **04/16/2026**
 Searchable via: **horizonanalytical.com**

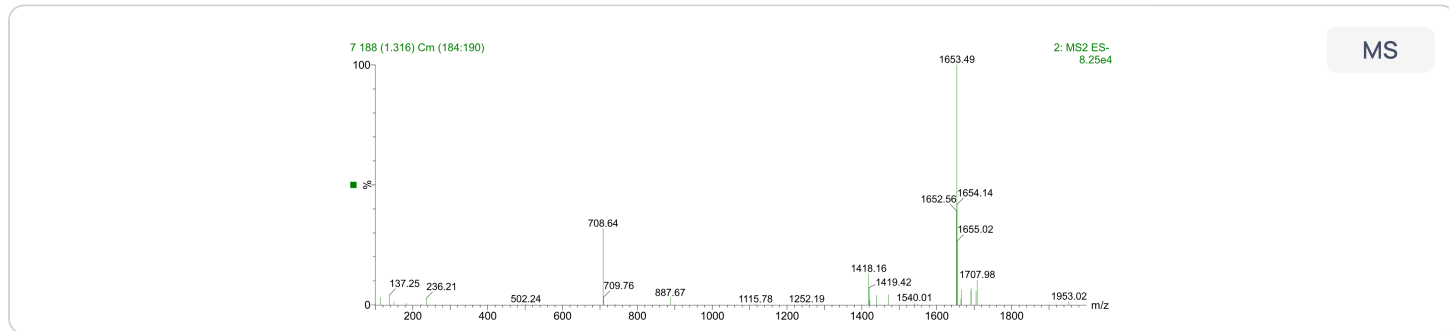
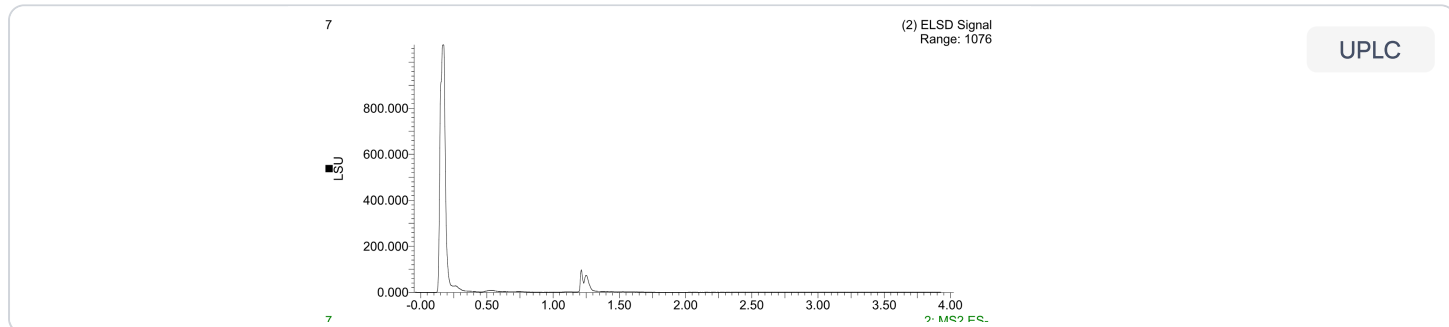
Compound:	TB-500
Lot:	IWR-9351230-P
Appearance:	White Lyophilized Powder

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	9.82mg	
Purity:	≥98%	99.94%	



Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

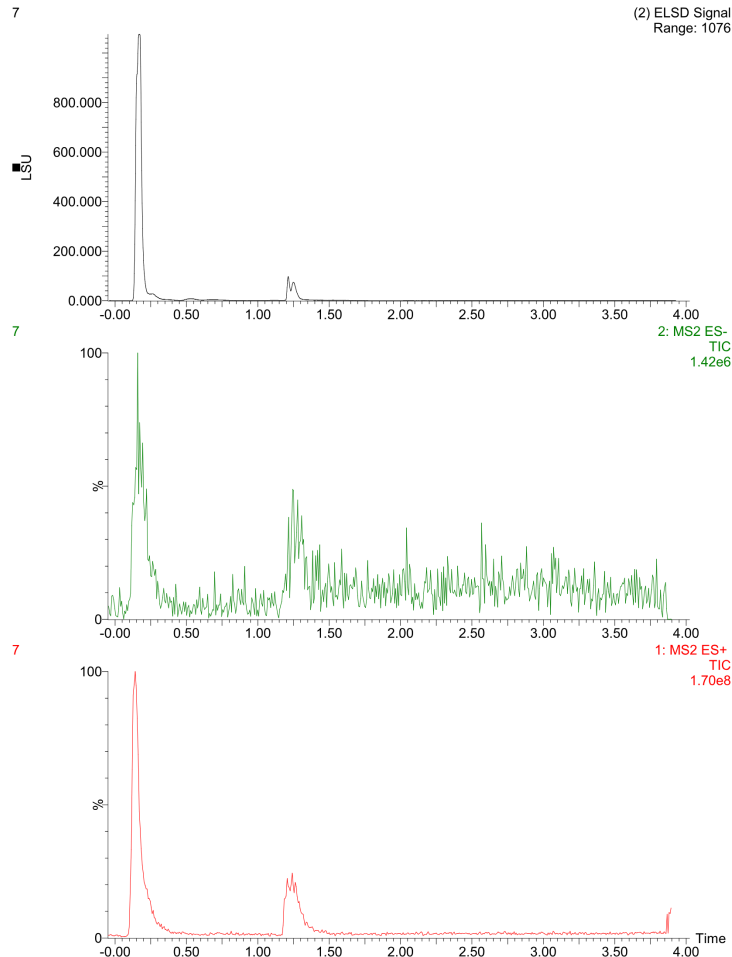


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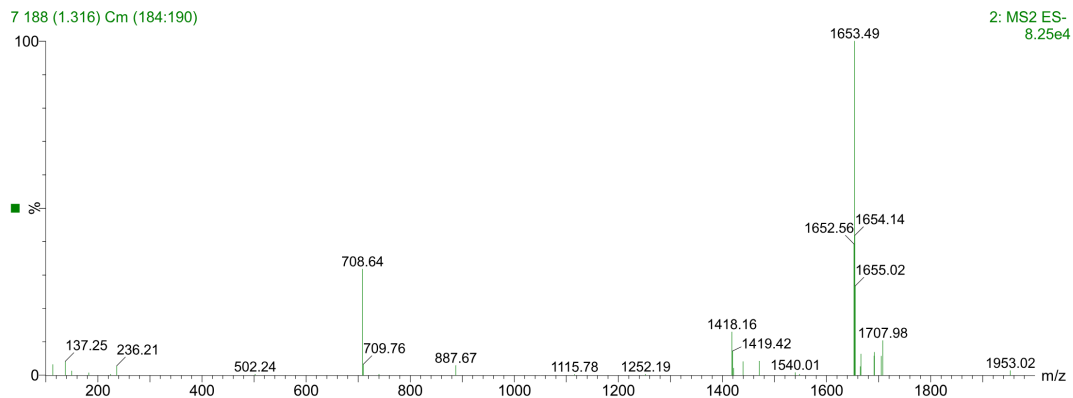
Lot Number: IWR-9351230-P
 Client Name: Iron Within Research
 Identity: www.ironwithinresearch.com

Received Date: 04/21/2026
 Analysis Conducted: 04/16/2026
 Searchable via: horizonanalytical.com

TB-500 (10mg) • Pubchem CID: 16132341
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: **IWR-9351230-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **04/21/2026**
 Analysis Conducted: **04/16/2026**
 Searchable via: **horizonanalytical.com**

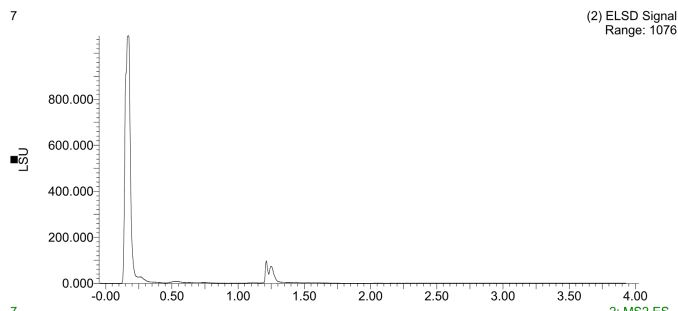
Compound:	GHK-Cu
Lot:	IWR-9351230-P
Appearance:	Blue Lyophilized Powder

CAS:	89030-95-5
Formula:	C ₁₄ H ₂₃ CuN ₆ O ₄
Mol Weight:	~402.92 g/mol

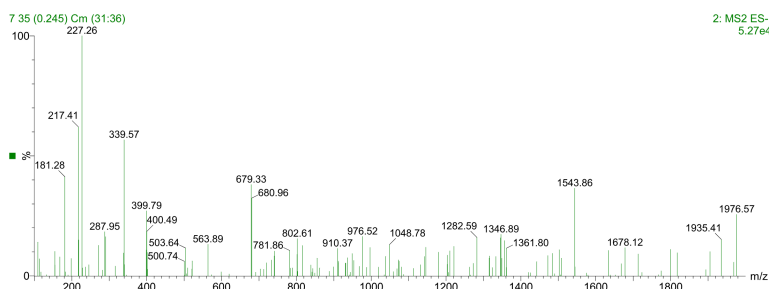
Pubchem CID: 71587328

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	49.98mg	
Purity:	≥ 98%	99.91%	



UPLC



MS

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

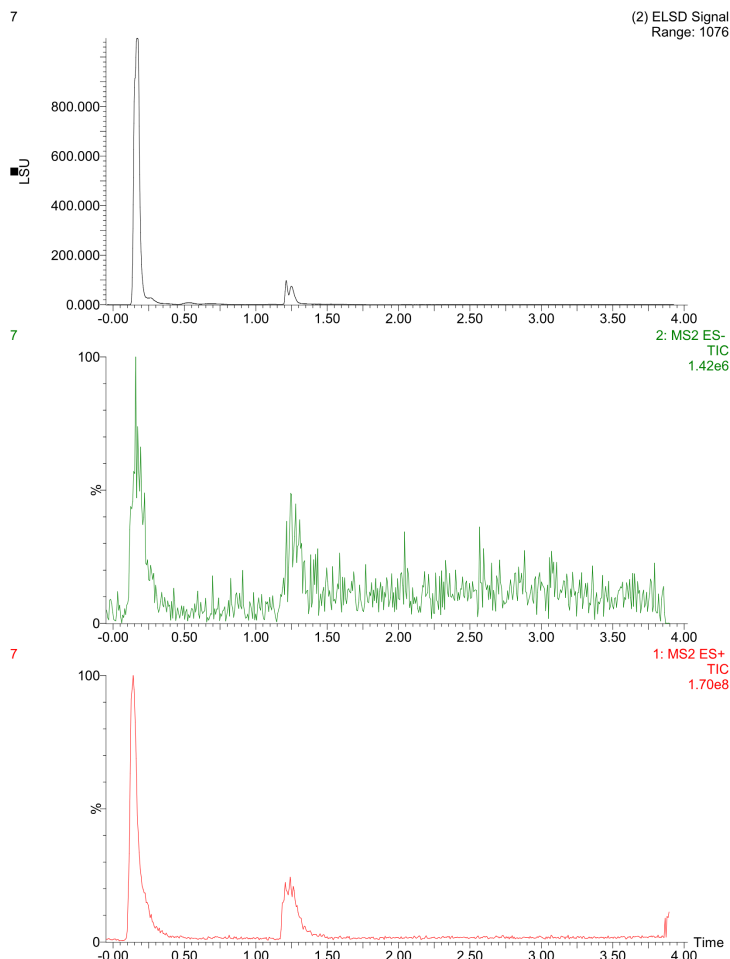


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Lot Number: IWR-9351230-P
Client Name: Iron Within Research
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Received Date: 04/21/2026
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GHK-Cu (50mg) • Pubchem CID: 71587328
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)

