

Lot Number: **IWR-6170177-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

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

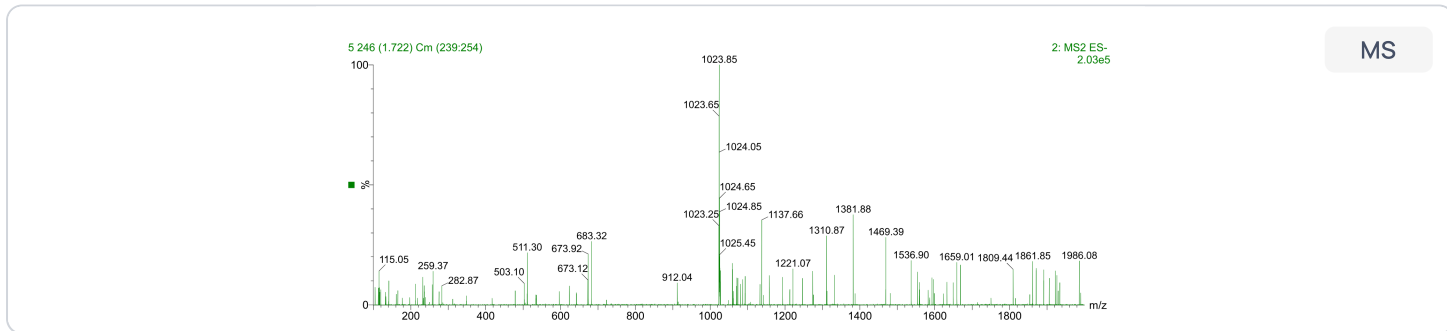
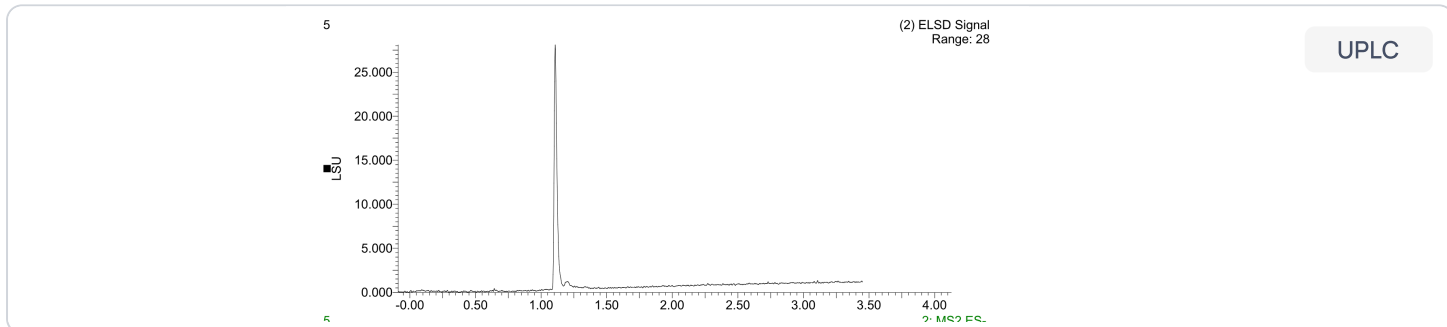
Compound:	PT-141
Lot:	IWR-6170177-P
Appearance:	White Lyophilized Powder

CAS:	189691-06-3
Formula:	C ₅₀ H ₆₈ N ₁₄ O ₁₀
Mol Weight:	~1025.2 g/mol

Pubchem CID: 9941379

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

	Specification	Result	Scan to Validate:
Compound Test:	PT-141	PT-141	
Quantity:	10mg	9.85mg	
Purity:	>98%	99.35%	



Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

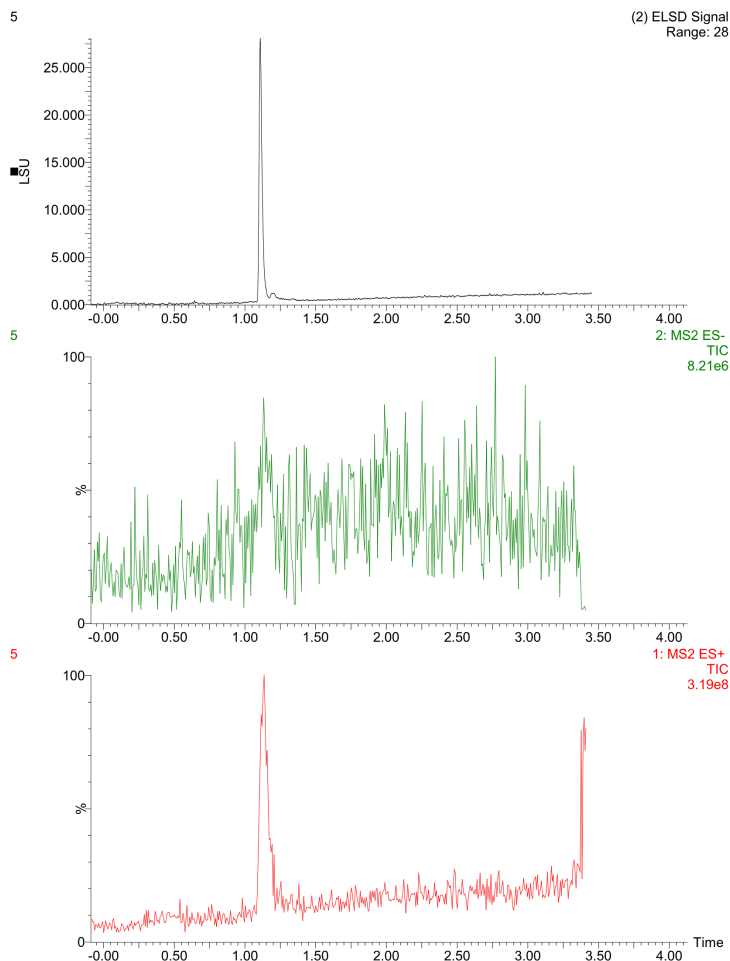


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

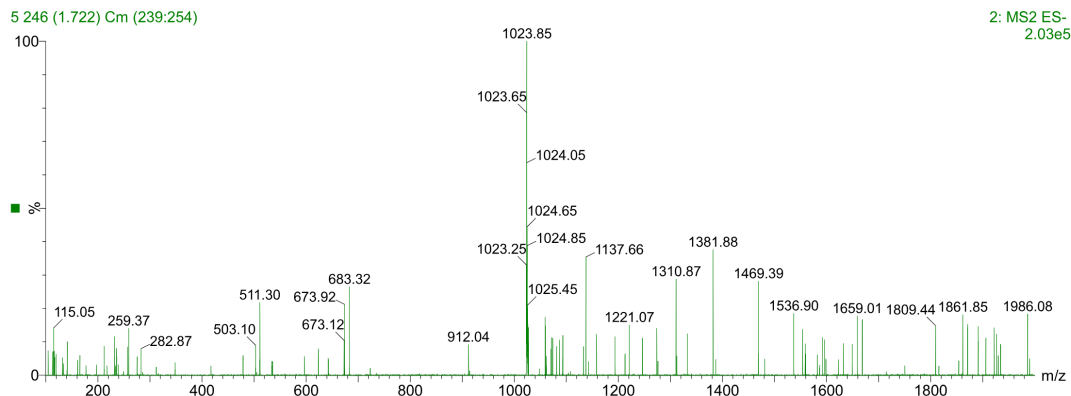
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PT-141 (10mg) • Pubchem CID: 9941379
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)





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

TESTED FOR

Iron Within Research

SAMPLE

PT-141 — 10 mg

PASS

BATCH #

IWR-2607-PT14110

PURITY

99.74%

MASS

12.13 mg

IDENTITY

Confirmed

COA #:

SBA-26-0023

Method:

Full QC Panel

Lot Number:

IWR-2607-PT14110

Analysis Date:

2026-08-02

Labeled Content:

10 mg

Date Received:

2026-07-29

Appearance:

White lyophilized powder, intact seal



SCAN TO VERIFY



Identity



Purity



Endotoxins



Fentanyl Free



VIAL CAP

White

#E8E8EA

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity	PT-141	Confirmed
Purity (HPLC)	>= 98.0%	99.74%
Content (gross)	Report only	12.13 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.07 EU/mL

Test	Specification	Result
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.

Kasey Malganus

Kasey Malganus
Lab Director
2026-08-02

COA #: SBA-26-0023
Access Code: JD7E6XED
Analyst: R. Whitfield
Verify: summitbioanalytics.com/verify
Issued: 2026-08-02