



Certificate of Analysis

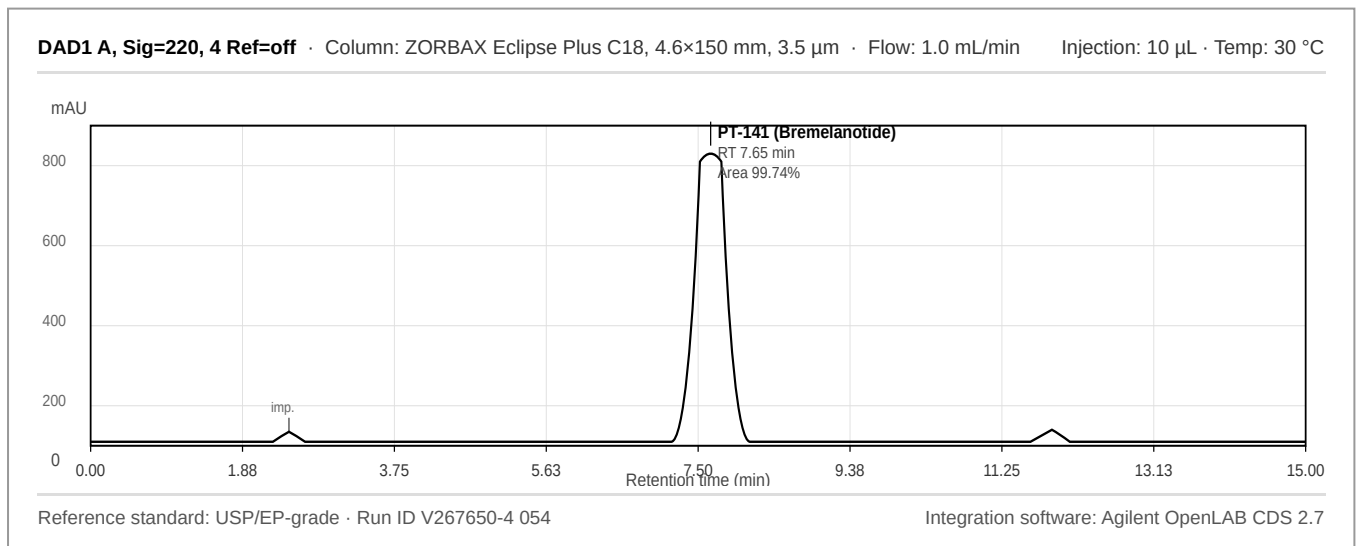
PT-141 (Bremelanotide) · 10 mg / vial · Lot **PTM463**

| | | | |
|-----------------|--------------------------|---------------------|----------------------------|
| REPORT TO | IGF1 Shop · igf1shop.com | LABORATORY ID | V267650-4 054 |
| COMPOUND | PT-141 (Bremelanotide) | LOT NUMBER | PTM463 |
| CAS NUMBER | 189691-06-3 | MOLECULAR WEIGHT | 1 025.18 Da |
| SAMPLE RECEIVED | 2026-04-18 | ANALYSIS CONDUCTED | 2026-04-20 |
| DATE RELEASED | 2026-04-23 | PHYSICAL APPEARANCE | Reconstituted clear liquid |

1. IDENTITY & PURITY

| SPECIFICATION | METHOD | RESULT | STATUS |
|----------------------------|---|-----------------------------|--------|
| Identity confirmation | RP-HPLC + ESI-MS comparison to reference | Conforms | PASS |
| Chromatographic purity | HPLC-UV/VIS, C18 RP, 220 nm | 99.74% ± 0.10% | PASS |
| Quantitative assay | HPLC-UV/VIS | 10.380 mg (target 10 mg) | PASS |
| Mass confirmation (ESI-MS) | Electrospray ionization mass spectrometry | Within ±1 Da of theoretical | PASS |

2. HPLC CHROMATOGRAM



3. MICROBIOLOGICAL & SAFETY ASSAYS

| SPECIFICATION | METHOD | RESULT | STATUS |
|----------------------|-------------------------|--------------------|--------|
| Bacterial endotoxins | LAL kinetic chromogenic | < 0.320 EU/mg | PASS |
| Sterility | USP <71> · BacT/ALERT | No growth detected | PASS |
| Water content | Karl Fischer titration | 0.67% | PASS |
| Acetate content | Ion chromatography | 2.57% | PASS |

4. HEAVY METALS (ICP-MS)

| ANALYTE | METHOD | LOQ (PPM) | RESULT (PPM) | STATUS |
|--------------|--------|-----------|--------------|--------|
| Arsenic (As) | ICP-MS | 0.01 | ND | PASS |
| Cadmium (Cd) | ICP-MS | 0.01 | ND | PASS |
| Lead (Pb) | ICP-MS | 0.01 | ND | PASS |
| Mercury (Hg) | ICP-MS | 0.005 | ND | PASS |

ND: Non-Detect (below LOQ). LOQ: Limit of Quantification.

5. STORAGE & STABILITY

| | |
|--|---|
| Recommended storage | +2 °C to +8 °C, protected from light |
| Stability under recommended conditions | 24 months from release date |
| Retest date | 2027-04-23 |
| Container closure | 10 mL clear borosilicate vial · butyl rubber stopper · aluminum flip-off seal |

REPORT BY

Dustin Newman

Dustin Newman

Laboratory Director

Date: 2026-04-20

APPROVED & RELEASED BY

Tori Johnson

Tori Johnson

Operations Manager

Date: 2026-04-23



ISO/IEC 17025:2017 Accredited Testing Laboratory

Accredited by the American Association for Laboratory Accreditation (A2LA) for analytical chemistry, biopharmaceutical assays, and microbiological testing.

A2LA Cert. #6377.01.01

Scope: pharmaceutical & biological analysis
vanguardlaboratory.com

Reference: A2LA Certificate #6377.01.01. Sample received in good condition. Results apply only to the items tested. Vanguard Laboratory, LLC did not participate in sampling. The compound described is intended for laboratory research use only — not for human or animal consumption, drug, food, agricultural, or cosmetic application.

