

PRODUCT

PT-141

Bremelanotide

CATALOG	VA-PT141-10MG
CAS	189691-06-3
FORMULA	C50H68N14O10
MOL. WEIGHT	1025.2 avg · 1024.52 monoisotopic
SEQUENCE	Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-OH
FORM	Lyophilized powder
FILL WEIGHT	10 mg
CONTAINER	3 mL vial

BATCH

BATCH IDENTIFIER

VA-2512-3503

MANUFACTURED	2026-04-25
FILLED	2026-05-12
ANALYSED	2026-05-16
RETEST BY	2028-04-25
STORAGE	Refrigerated, 2-8 °C, protected from light

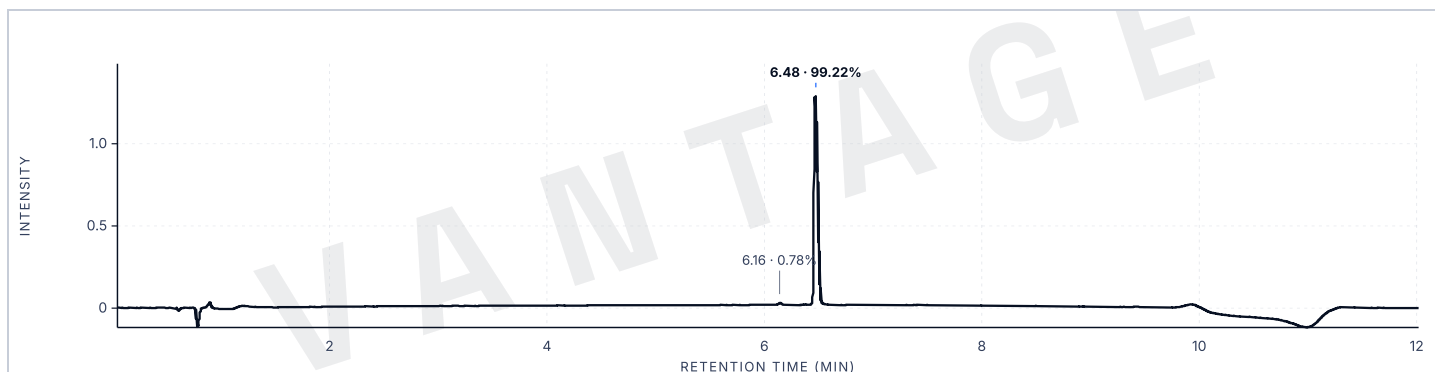
RESULTS

TEST / METHOD	SPECIFICATION	RESULT	STATUS
Appearance Visual inspection (Vantage Aminos)	White lyophilized powder	Conforms	PASS
Identity HPLC-UV-MS, positive polarity (+MS)	Theoretical mass ± 1.0 Da	1024.60 Da (theor. 1024.52)	PASS
Purity HPLC-UV, area % · DAD 210.1-288.3 nm	≥ 98.0 %	99.22 %	PASS
Quantity Quantitation as reported	90-110 % of label (10 mg)	10.118 mg (101.2 % of label)	PASS
Largest single impurity HPLC-UV, area %	Report	0.78 % at 6.16 min	REPORT
Water content Karl Fischer titration	≤ 8 % w/w	4.1 % w/w	PASS

HOW TO VERIFY THIS CERTIFICATE

- 1 All units are shipped from the most recent batch. Confirm the compound and fill weight shown above match the product you ordered.
- 2 This certificate is published on the product page at <https://vantageaminos.co/product/pt-141-bremelanotide/>, alongside the certificate for every other batch of this product.
- 3 Any question about this analysis: contact support@vantageaminos.co quoting the batch identifier above.

HPLC CHROMATOGRAM



UV chromatogram, 210.1-288.3 nm

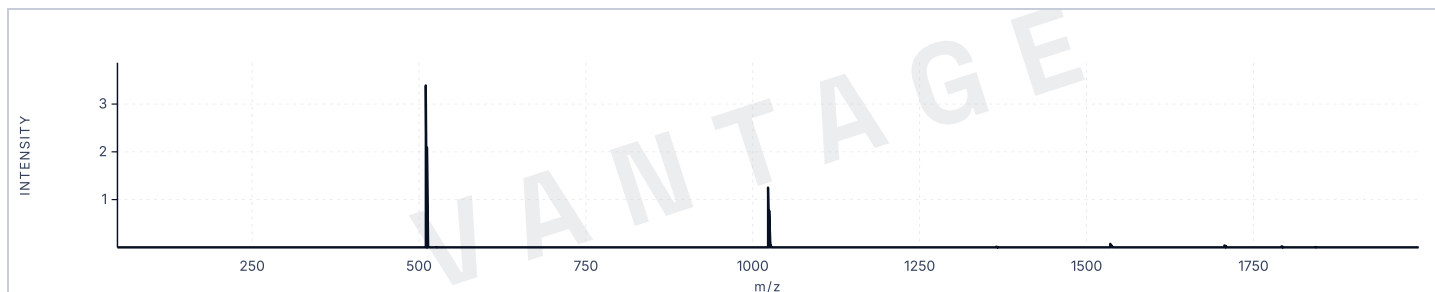
PEAK INTEGRATION

RT (MIN)	AREA	AREA %	ASSIGNMENT
6.16	2.36E+02	0.78	unassigned
6.48	3.02E+04	99.22	PT-141

MASS SPECTROMETRY

Technique	HPLC-UV-MS (as printed on certificate)
Ionisation	Positive polarity (+MS)
Scan range	m/z 48.2 – 1997.5 (as plotted)
Theoretical mass	1024.52 Da
Observed mass	1024.60 Da
Deviation	+0.08 Da

MASS SPECTRUM



Full-scan mass spectrum. Base peak m/z 513.3

HPLC METHOD

Technique	Reverse-phase HPLC with UV detection, MS confirmation
Detection	210.1-288.3 nm (DAD range, not a single wavelength)