

## ChromIQ Analytical Laboratory

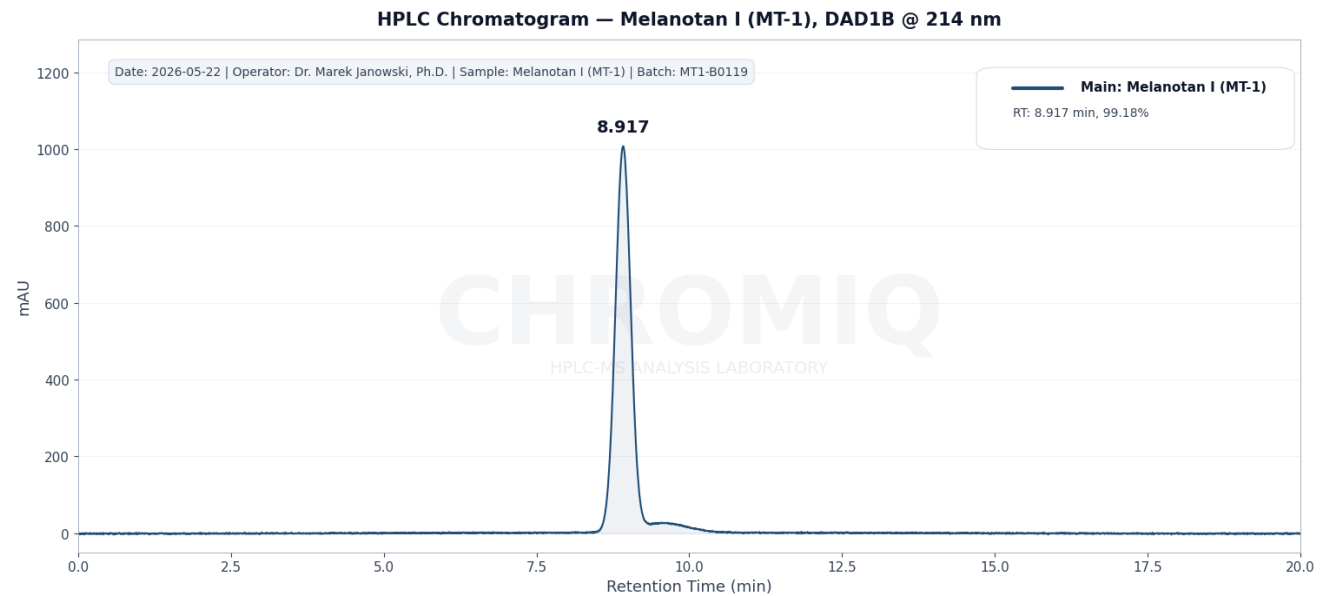
HPLC-MS Quality Control &amp; Peptide Purity Analysis

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## PRODUCT DATA

Product	<b>Melanotan I (MT-1)</b>	Batch	<b>MT1-B0119</b>
CAS	75921-69-6	Formula	C78H111N21O19
Appearance	White lyophilized powder	Mol. Wt.	1646.83 g/mol
Quantity	10 mg / vial	Purity	<b>99.18%</b>
Content	10.08 mg	Analysis Method	RP-HPLC, UV 214 nm   C18, 100 × 2.1 mm, 2.7   Flow: 0.40 mL/min   Gradient: 5-95% ACN over 20 min   Inj.: 10.0 µL
Analysis Conducted	2026-05-22	Principal Chemist	Dr. Marek Janowski, Ph.D.
Produced	2026-05-20	Storage	Store at -20 °C, protect from light
QC Status	PASS — conforms to specification	Report No.	CIQ-RPT-B0119

## HPLC CHROMATOGRAM



Method: RP-HPLC, UV 214 nm | C18, 100 × 2.1 mm, 2.7 µm | Flow: 0.40 mL/min | Gradient: 5-95% ACN over 20 min | Inj.: 10.0 µL

Signal: UV 214 nm Detector: DAD1B

Mobile Phase: H2O/ACN + 0.1% TFA

Dr. Marek Janowski, Ph.D.

Principal Chemist · 2026-05-22

A. Reynolds, QA Manager

Quality Assurance · 2026-05-23

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