



ChromIQ Analytical Laboratory

HPLC-MS Quality Control & Peptide Purity Analysis
Website: chromiq.com | Email: qc@chromiq.com

PRODUCT DATA

Product	Melanotan I (MT-1)	Batch	MT1-B0134
CAS	75921-69-6	Formula	CHNO ₁₉
Appearance	White to off-white powder	Mol. Wt.	1646.85 g/mol
Quantity	10 mg / vial	Purity	98.69%
Content	10.07 mg	Analysis 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
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-B0134

HPLC CHROMATOGRAM

Signal: UV 214 nm Detector: DAD1B

Method: Column: C18, 100 × 2.1 mm, 2.7 µm | Flow: 0.40 mL/min | Gradient: 5-95% ACN over 20 min | Injection: 10.0 µL

Mobile Phase: H2O/ACN + 0.1% TFA

HPLC Chromatogram — Melanotan I, DAD1B @ 214 nm

7.377

Date: 2026-05-22 | Operator: Dr. Marek Janowski | Sample: Melanotan I | Batch: MT1-B0134

Main: Melanotan I
RT: 7.377 min, 99.69%