



ChromIQ Analytical Laboratory

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

PRODUCT DATA

Product	Semax	Batch	SMX-B0163
CAS	80714-61-0	Formula	C ₃₇ H ₅₁ N ₉ O ₁₀ S
Appearance	White lyophilized powder	Mol. Wt.	813.92 g/mol
Quantity	10 mg / vial	Purity	99.07%
Content	10.06 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-B0163

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 — Semax, DAD1B @ 214 nm

