CRAFA
PEPTIDE & COMPOUND ANALYSIS

Independent Peptide & Research-Compound Testing
14 Mill Lane, Cambridge, United Kingdom

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-0246
Issued: 2026-09-15

PRODUCT IDENTIFICATION

PRODUCT IGF-1 LR3 1 mg	SKU / INTERNAL CODE CRF-2026-0246	PRESENTATION Lyophilised powder, 1 mg vial
BATCH NUMBER CRF-2026-0246	SAMPLE RECEIVED 2026-09-08	PRODUCTION DATE 2026-09-02
ANALYSIS DATE 2026-09-13	EXPIRY / RETEST DATE 2028-09-13	MOLECULAR FORMULA (REFERENCE) C400H619N111O115S9
MOLECULAR WEIGHT (G/MOL; REFERENCE) 9111.5	CAS (REFERENCE) 143045-27-6	

Research Use Only (RUO). Not for human or veterinary use, consumption, or clinical diagnosis.

ANALYTICAL METHOD — HPLC

INSTRUMENT —	COLUMN —	COLUMN TEMPERATURE — °C
MOBILE PHASE A —	MOBILE PHASE B —	FLOW RATE — mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME — µL	SAMPLE CONCENTRATION — mg/mL
DILUENT —	RETENTION TIME (MAIN PEAK) — min	

Recorded methods: HPLC-UV (214 nm) · LC-MS/MS · LAL · ICP-MS

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.6%	PASS
Identity (LC-MS)	9112.5 ±2%	Obs: 9112.9 [M+H]+	PASS
Quantity found	95.0–105.0%	1.01 mg (101.0%)	PASS
Endotoxin	<1.0 EU/mg	<0.5 EU/mg	PASS
Heavy metals	<10 ppm	All <LOQ	PASS

Detected Impurities

No impurity data recorded.

FINAL BATCH RESULT

PASS — Conforms to specifications

No chromatogram data recorded.

Analyst notes: Long R3 variant confirmed, high receptor binding affinity.

is released for analytical and preclinical research applications. Source template footer: This certificate is valid only for the referenced lot and sample condition. Store lyophilised material at 2–8°C, protected from light and moisture. Reconstitute only with bacteriostatic or sterile water using gentle swirling.

ANALYTICAL METHOD

INSTRUMENT Thermo Q-Exactive	COLUMN C4 4.6×150mm	COLUMN TEMPERATURE 40°C
MOBILE PHASE A 0.1% TFA H2O	MOBILE PHASE B ACN	FLOW RATE 0.8 mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME 10 µL	SAMPLE CONCENTRATION 1.0 mg/mL
RETENTION TIME (MAIN PEAK) 12.8 min		



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