CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-0233
Issued: 2026-09-19

PRODUCT IDENTIFICATION

PRODUCT FOXO4-DRI 10 mg	SKU / INTERNAL CODE CRF-2026-0233	PRESENTATION Lyophilised powder, 10 mg vial
BATCH NUMBER CRF-2026-0233	SAMPLE RECEIVED 2026-09-12	PRODUCTION DATE 2026-09-07
ANALYSIS DATE 2026-09-17	EXPIRY / RETEST DATE 2028-09-17	MOLECULAR FORMULA (REFERENCE) C228H388N86O64
MOLECULAR WEIGHT (G/MOL; REFERENCE) 5358.2	CAS (REFERENCE) N/A	

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%	98.8%	PASS
Identity (LC-MS)	5359.2 ±2%	Obs: 5359.5 [M+H]+	PASS
Quantity found	95.0–105.0%	9.95 mg (99.5%)	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: D-retro-inverso isomer confirmed, protease resistant.

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 Waters Xevo G3	COLUMN C4 2.1×100mm	COLUMN TEMPERATURE 60°C
MOBILE PHASE A 0.1% TFA H2O	MOBILE PHASE B ACN	FLOW RATE 0.3 mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME 5 µL	SAMPLE CONCENTRATION 0.5 mg/mL
RETENTION TIME (MAIN PEAK) 14.5 min		



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