



DOC PV-COA
REPORT PV-F08964-DCZV
ISSUED 28/09/2026

ANALYSED BY AN INDEPENDENT UK LABORATORY PARTNER USING ESTABLISHED HPLC & LC-MS METHODS.

00 ASSESSMENT SAMPLE AS RECEIVED

PURITY – HPLC

99.68%

Peak Purity Index (PPI) of the integrated UV signal. Single integrated peak.
What this means: 99.68% is the reported purity figure for this sample.

IDENTITY - LC-MS

- **Confirmed**

Detected intact mass 4,730.7 Da vs expected 4,731.41 Da; 3 charge states agree and the base peak matches.

What this means: the detected molecular weight matches the declared peptide within method tolerance.

⊕ SAMPLE DESCRIPTION & LAB NOTES RECORDED ON RECEIPT

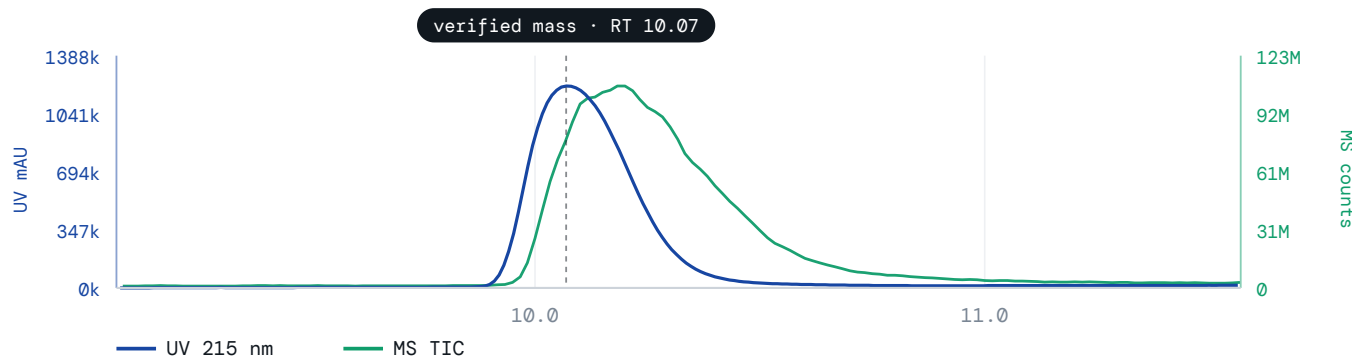
FORM	COLOUR	CONDITION	OBSERVED RT	MS / IDENTITY MATCH
Lyophilized powder	White	As Expected	10.07 min	As Expected



SAMPLE AS RECEIVED

01 HPLC + LC-MS - CO-ELUTION PDA 215 NM · ESI TIC

UV PURITY PEAK (BLUE, LEFT AXIS) AND LC-MS TOTAL-ION RESPONSE (GREEN, RIGHT AXIS) ON ONE RETENTION-TIME AXIS - THE VERIFIED MASS CO-ELUTES WITH THE UV PEAK - WINDOW 9.1-11.6 MIN.



PEAK	RT / MIN	AREA	AREA %	PPI %	TAILING	PLATES N	UV MAX / NM
1	10.069	18,734,484	100.00	99.7	1.57	10,001	214 / 277

PPI % = Peak Purity Index – the reported purity (spectral homogeneity). **Area %** = this peak's share of total UV area, not a purity claim. Tailing = peak symmetry; Plates N = column efficiency; UV max = wavelengths at which the peak absorbs most strongly.



02 LC-MS – IDENTITY

ESI · INTACT-MASS DECONVOLUTION



Identity: Confirmed. 3 independent charge states ([M+3H]3+, [M+4H]4+, [M+5H]5+) deconvolute to the same intact mass (≈ 4,730.7 Da), matching Retatrutide within the method's unit-resolution tolerance. Base peak corresponds to the expected dominant charge state.

03 SYSTEM SUITABILITY

PARAMETER	RESULT	LIMIT	OUTCOME
Tailing factor (T) – main peak	1.57	≤ 3.5	PASS
Theoretical plates (N)	10,001	≥ 600	PASS
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION

TAMPER-EVIDENT RECORD

● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-F08964-DCZV

INTEGRITY SHA-256 · 9901abb3_6bd4a548

SOURCE DATA · 20260925 batch_PV-F08964_DCZV_013.lcd

Scan or visit the URL to confirm this certificate against PeptideVerify's source record.

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 28/09/2026

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