SIDECHAIN ANALYTICS

Certificate of Analysis

Lab ID: **RET-371_D**

REPORTED August 27, 2026

CUSTOMER

NAME MapleBloom

§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	**RET-371_D**	Received:	**08/20/2026**
Compound:	**Retatrutide**	Analyzed:	**08/27/2026**
Report No.:	**COA-2026-SC-01509**	CAS:	**2381089-83-2**
Total Mass:	**84.5 mg**	Formula:	$C_{221}H_{342}N_{46}O_{68}$
Appearance:	**Lyophilized powder**	Mol Weight:	**4731.3 g/mol**

SAMPLE PHOTOGRAPH



SCAN TO VERIFY

COA-2026-SC-01509

VERIFICATION CODE

IMHNJZtwJOXvzfuTtm_APQ

sidechainanalytics.com/verify

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	Retatrutide	**Retatrutide**	
Net Peptide Content:	10.00 mg	**10.90 mg**	
Peptide Label Accuracy:	≥ 90 %	**109.0 %**	**PASS**
Chromatographic Purity:	≥ 98 %	**99.4 %**	

Chromatographic purity is the target peptide's HPLC-MS/MS principal component analysis, expressed as a percentage of total integrated peak area (Ph. Eur. 2.2.46) — it bounds peptide-related impurities only, not excipients, counter-ions, or residual water, and is separate from net peptide content. **—** indicates not determined.

§ 03 LC-MS/MS Detail

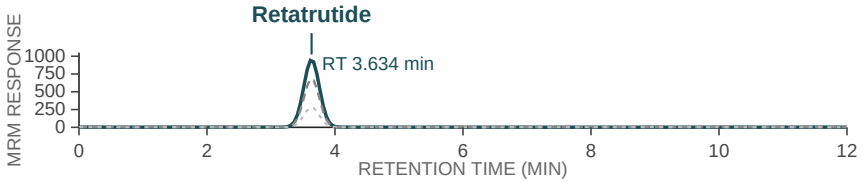
METHOD B · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

PRECURSOR [M+5H]5+

947.90 Da

Quantifier transition ● MRM

947.90 › 136.10 CE 30 V



ROLE	TRANSITION	CE
● Quantifier	947.9 › 136.1	30 V
■ Qualifier	947.9 › 110.1	35 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 µm · Solvent A: 0.1 % formic acid in H_2O · Solvent B: 0.1 % formic acid in Acetonitrile

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Compound:	**Retatrutide**	Analyzed:	**08/27/2026**
Report No.:	**COA-2026-SC-01508**	CAS:	**2381089-83-2**
Total Mass:	**84.8 mg**	Formula:	**$C_{221}H_{342}N_{46}O_{68}$**
Appearance:	**Lyophilized powder**	Mol Weight:	**4731.3 g/mol**

SAMPLE PHOTOGRAPH



SCAN TO VERIFY

COA-2026-SC-01508

VERIFICATION CODE

e3DK-Z3NvpEZ2YVR69nOJw

sidechainanalytics.com/verify

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	Retatrutide	**Retatrutide**	
Net Peptide Content:	10.00 mg	**10.57 mg**	
Peptide Label Accuracy:	≥ 90 %	**105.7 %**	**PASS**
Chromatographic Purity:	≥ 98 %	**99.6 %**	

Chromatographic purity is the target peptide's HPLC-MS/MS principal component analysis, expressed as a percentage of total integrated peak area (Ph. Eur. 2.2.46) — it bounds peptide-related impurities only, not excipients, counter-ions, or residual water, and is separate from net peptide content. **—** indicates not determined.

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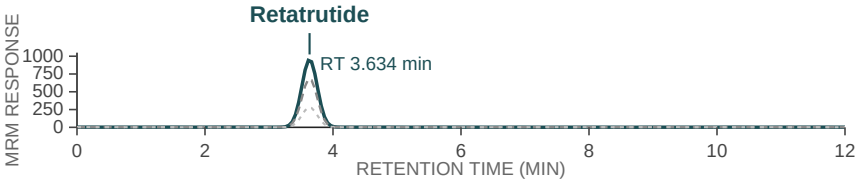

ROLE	TRANSITION	CE
● Quantifier	947.9 › 136.1	30 V
■ Qualifier	947.9 › 110.1	35 V

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§ 01 Sample Information

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Sample ID:	**RET-373_D**	Received:	**08/20/2026**
Compound:	**Retatrutide**	Analyzed:	**08/27/2026**
Report No.:	**COA-2026-SC-01507**	CAS:	**2381089-83-2**
Total Mass:	**84.5 mg**	Formula:	**$C_{221}H_{342}N_{46}O_{68}$**
Appearance:	**Lyophilized powder**	Mol Weight:	**4731.3 g/mol**

SAMPLE PHOTOGRAPH



SCAN TO VERIFY

COA-2026-SC-01507

VERIFICATION CODE

TfBEewL1PRRS0nBEICKEEA

sidechainanalytics.com/verify

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	Retatrutide	**Retatrutide**	
Net Peptide Content:	10.00 mg	**10.60 mg**	
Peptide Label Accuracy:	≥ 90 %	**106.0 %**	**PASS**
Chromatographic Purity:	≥ 98 %	**99.4 %**	

Chromatographic purity is the target peptide's HPLC-MS/MS principal component analysis, expressed as a percentage of total integrated peak area (Ph. Eur. 2.2.46) — it bounds peptide-related impurities only, not excipients, counter-ions, or residual water, and is separate from net peptide content. **—** indicates not determined.

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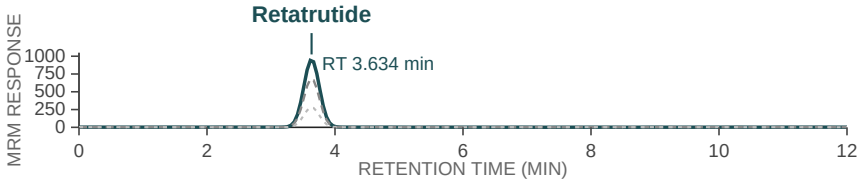

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● Quantifier	947.9 › 136.1	30 V
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