



# TEST REPORT

E: [contact@tjqxgd.com](mailto:contact@tjqxgd.com)

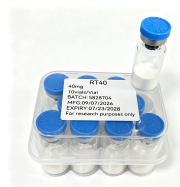
W: [www.tjqxgd.com](http://www.tjqxgd.com)

RT40-20260908S6179

Sample Received: 2026-09-08

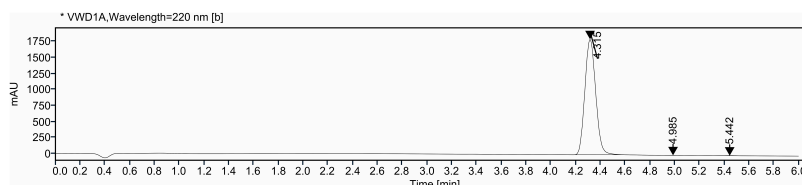
Authentication Code:

Analysis date: 2026-09-09



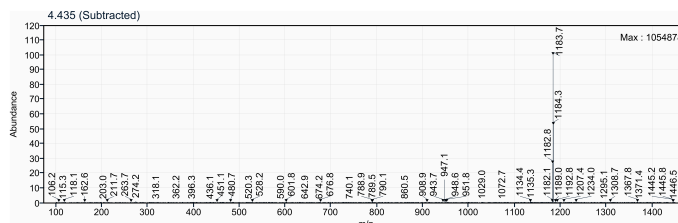
|              |                                                                                          |                  |              |
|--------------|------------------------------------------------------------------------------------------|------------------|--------------|
| Compound     | RT40/Retatrutide                                                                         | CAS Number       | 2381089-83-2 |
| Formula      | C <sub>221</sub> H <sub>342</sub> N <sub>46</sub> O <sub>68</sub>                        | Molecular Weight | 4731.41      |
| Batch Number | 5828704                                                                                  |                  |              |
| Manufacturer | <a href="https://pllaboratory.com">https://pllaboratory.com</a> Telegram:@Factory_Global |                  |              |

## HPLC-MS Details:



Signal: \* VWD1A,Wavelength=220 nm [b]

| RT [min] | Type | Width [min] | Area       | Height    | Area%   |
|----------|------|-------------|------------|-----------|---------|
| 4.315    | MM m | 0.4378      | 10969.3639 | 1809.3694 | 99.8742 |
| 4.985    | MM m | 0.1219      | 3.2417     | 0.8133    | 0.0295  |
| 5.442    | MM m | 0.2031      | 10.5703    | 2.0659    | 0.0962  |
| Sum      |      |             | 10983.1759 |           |         |



## Result:

| Test Items         | Specification                    | Results      |
|--------------------|----------------------------------|--------------|
| Appearance         | White to off-white powder        | White powder |
| Purity (LCMS/HPLC) | ≥ 99.0%                          | 99.87%       |
| Mass Spectrum      | Conforms to [M+4H] <sup>4+</sup> | Detected     |
| Peptide Weight     | 40.06 mg                         |              |

*Peng Gao*

*Zhibo Li*

Peng Gao, Data Compilation

Zhibo Li, Technical Review

### 重要声明 / Important Notice

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# LCMS Sample Purity - Detailed Report



**Result set name:** SingleSample

**Data file:** RT40.dx

**Sample name:** RT40

**Instrument:** LCMS

**Inj. volume:** 5.000 µL

**Acq. method:** LCMS-02AB.amx

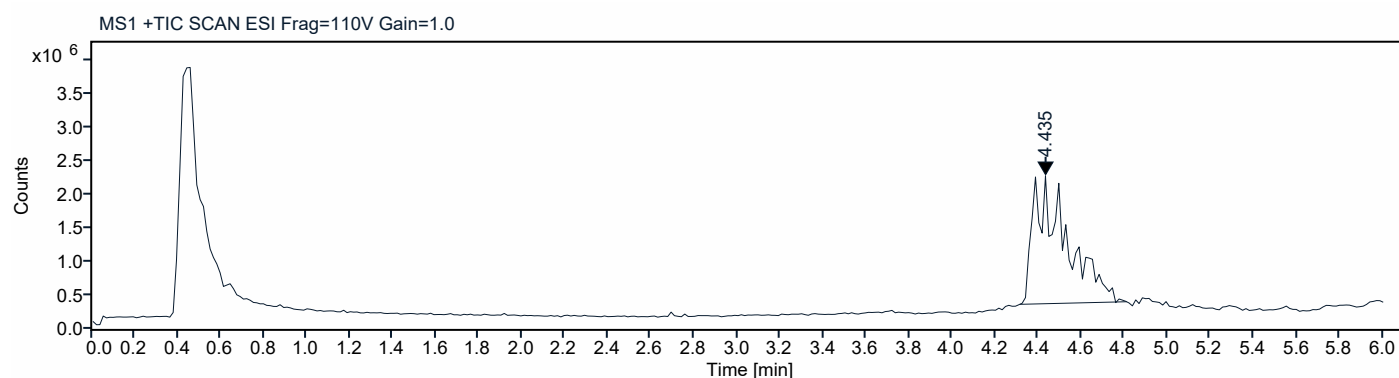
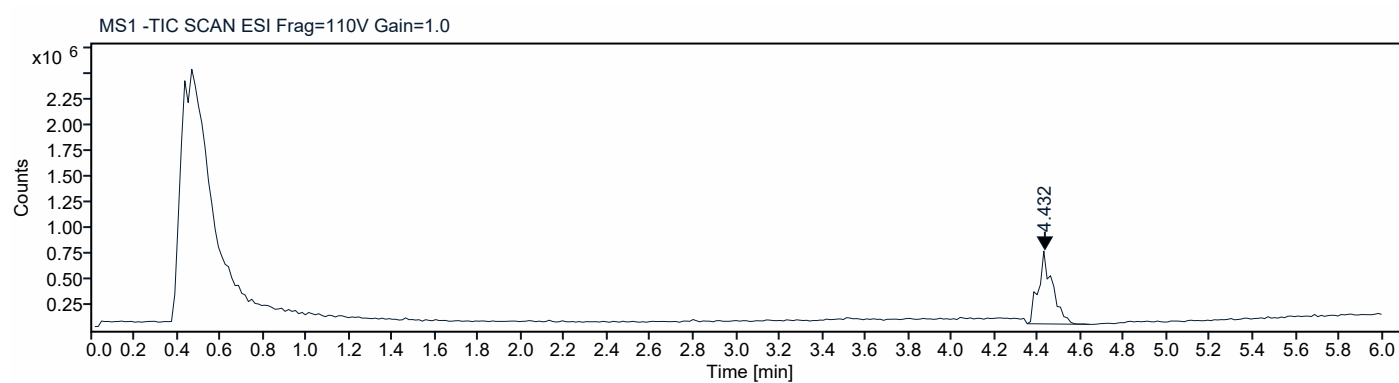
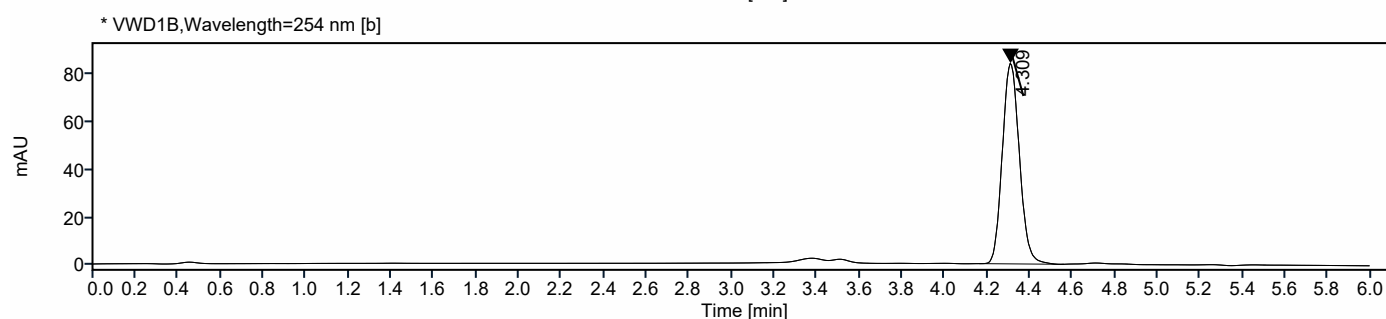
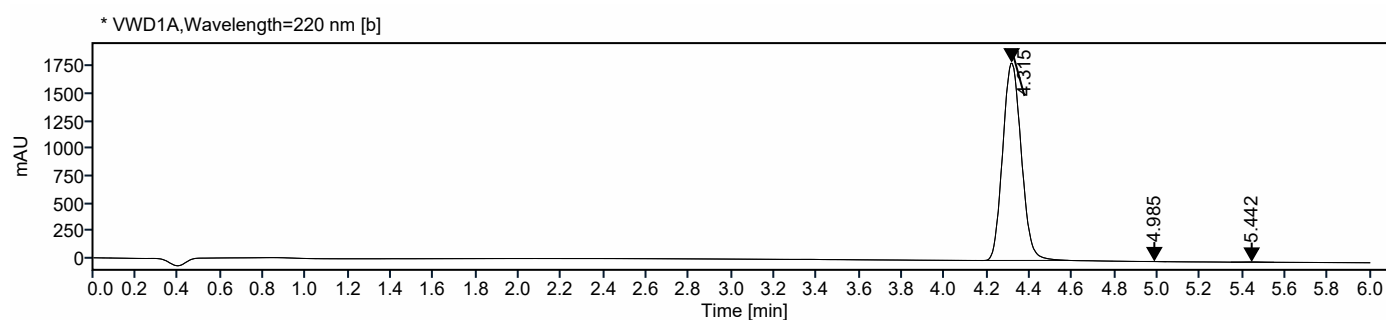
**Processing method:** LCMS-LJJ.pmx

**Project name:** 2026

**Operator:** admin

**Acquired on:** 2026-09-09 08:40:43+08:00

**Location:** P1-F1



**Signal:** MS1 +TIC SCAN ESI Frag=110V Gain=1.0

| RT [min]   | Type | Width [min] | Area                      | Height           | Area%    |
|------------|------|-------------|---------------------------|------------------|----------|
| 4.435      | MM m | 0.4966      | 20435944.10<br>13         | 1902105.12<br>38 | 100.0000 |
| <b>Sum</b> |      |             | <b>20435944.10<br/>13</b> |                  |          |

**Signal:** MS1 -TIC SCAN ESI Frag=110V Gain=1.0

| RT [min]   | Type | Width [min] | Area                     | Height      | Area%    |
|------------|------|-------------|--------------------------|-------------|----------|
| 4.432      | BB   | 0.2888      | 3229975.01<br>50         | 708821.2578 | 100.0000 |
| <b>Sum</b> |      |             | <b>3229975.01<br/>50</b> |             |          |

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| 4.985      | MM m | 0.1219      | 3.2417            | 0.8133    | 0.0295  |
| 5.442      | MM m | 0.2031      | 10.5703           | 2.0659    | 0.0962  |
| <b>Sum</b> |      |             | <b>10983.1759</b> |           |         |

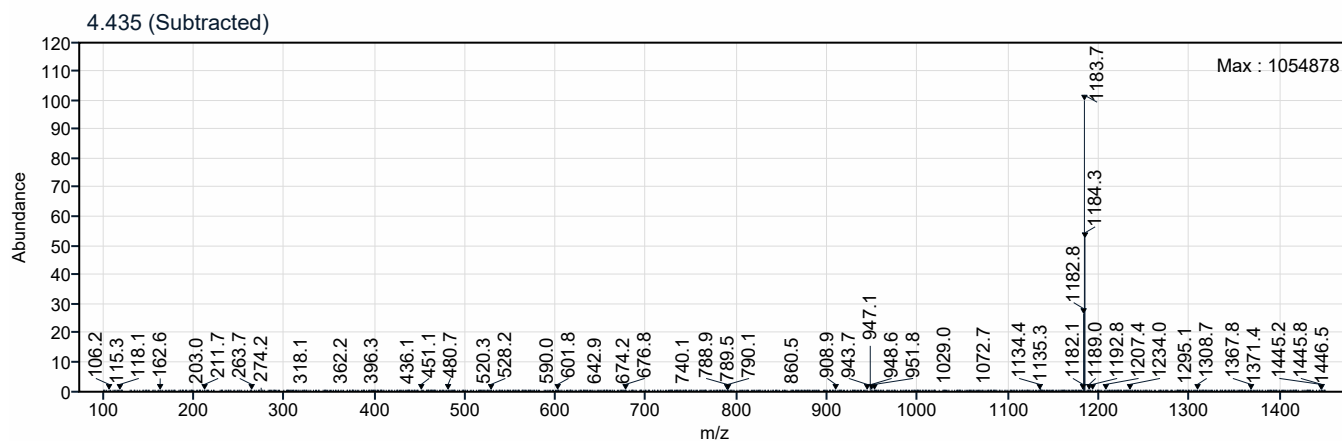
**Signal:** \* VWD1B,Wavelength=254 nm [b]

| RT [min]   | Type | Width [min] | Area            | Height  | Area%    |
|------------|------|-------------|-----------------|---------|----------|
| 4.309      | MM m | 0.3971      | 467.9831        | 83.9553 | 100.0000 |
| <b>Sum</b> |      |             | <b>467.9831</b> |         |          |

## Peak Details (Area Percent at least 1%)

**Signal Description:** MS1 +TIC SCAN ESI Frag=110V Gain=1.0

**Peak RT:** 4.435 min **Area %:** 100.00%



**Signal Description:** MS1 -TIC SCAN ESI Frag=110V Gain=1.0

**Peak RT:** 4.432 min **Area %:** 100.00%

