Horizon Analytical

# Certificate of Analysis

Lot Number: DPS-3510925
Brand / Distributed by: Direct Peptides
Identity: directpeptides.com
Product Type: Lyophilized Vials

Analysis Date: 09/15/2026
Searchable via: horizonanalytical.com

| | |
|---|---|
| Compound: | Tirzepatide |
| Report Number: | 1027634 |
| Appearance: | White Lyophilized Powder |

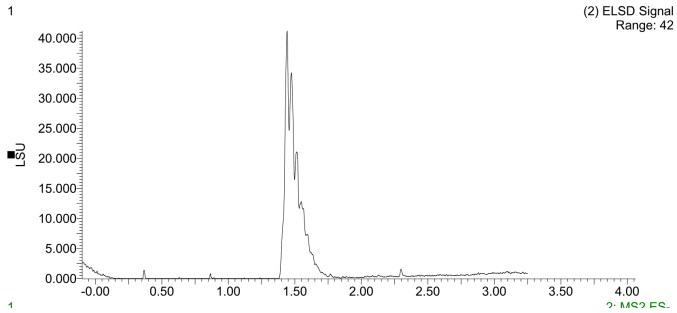
| | |
|---|---|
| CAS: | 2023788-19-2 |
| Formula: | $C_{225}H_{348}N_{48}O_{68}$ |
| Mol Weight: | ~4813.5 g/mol |

Pubchem CID: 156588324

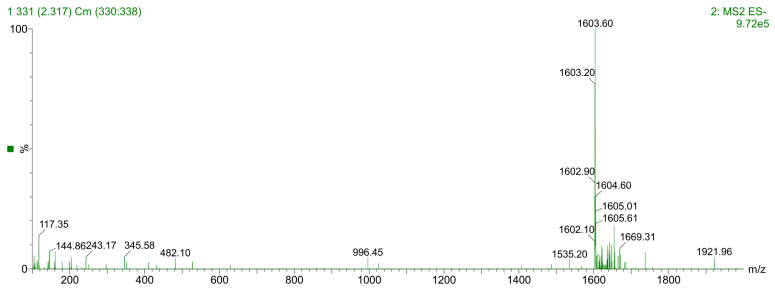
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

| | Specification | Result | Scan to Validate: |
|---|---|---|---|
| Identification: | Tirzepatide | Tirzepatide | |
| Quantitation: | 15mg | 15.25mg | |
| Purity: | >98% | 99.64% | |

UPLC




MS




Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

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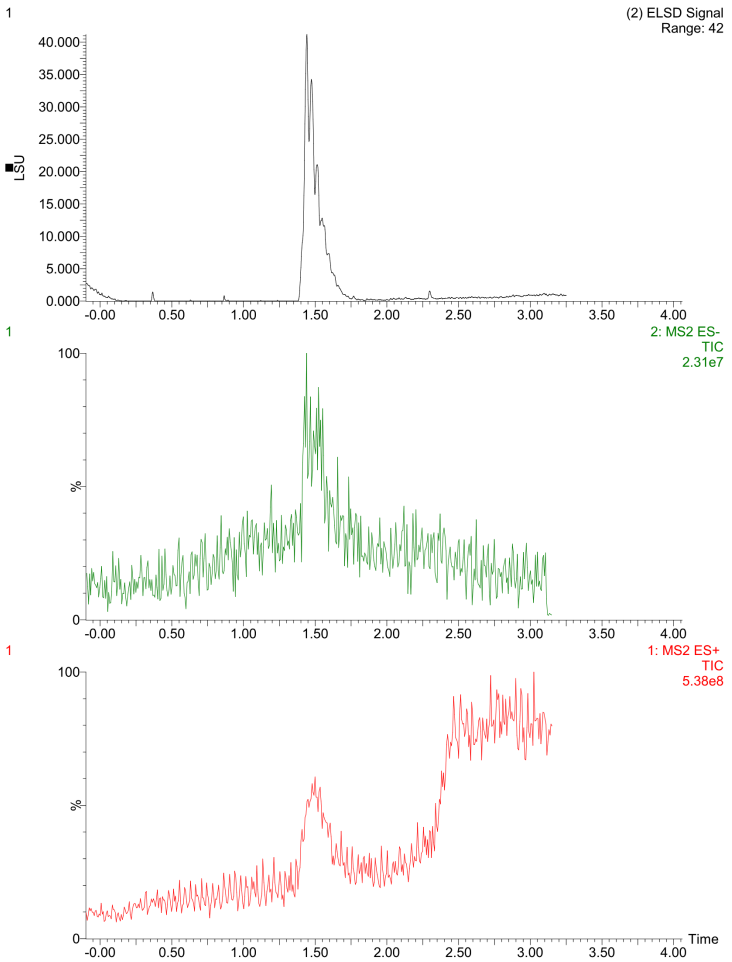
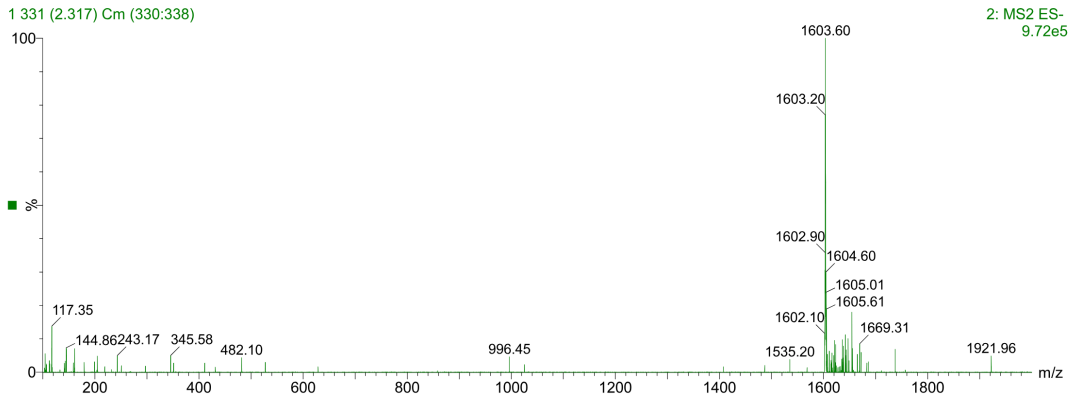
Tirzepatide (15mg) • Pubchem CID: 156588324
Ultra High Performance Liquid Chromatography (UPLC)




Mass Spectrometry (MS)