

**Client: MONARCH LAB**

Sample received: **09/01/26**  
Analysis conducted: **09/04/26**

|              |                          |          |                 |
|--------------|--------------------------|----------|-----------------|
| Compound:    | VIP                      | CAS:     | 37221-79-7      |
| Batch/Lot #: | N/A                      | Formula: | C147H238N44O42S |
| Appearance:  | White lyophilized powder | Mol Wt:  | 3326.8 g/mol    |

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

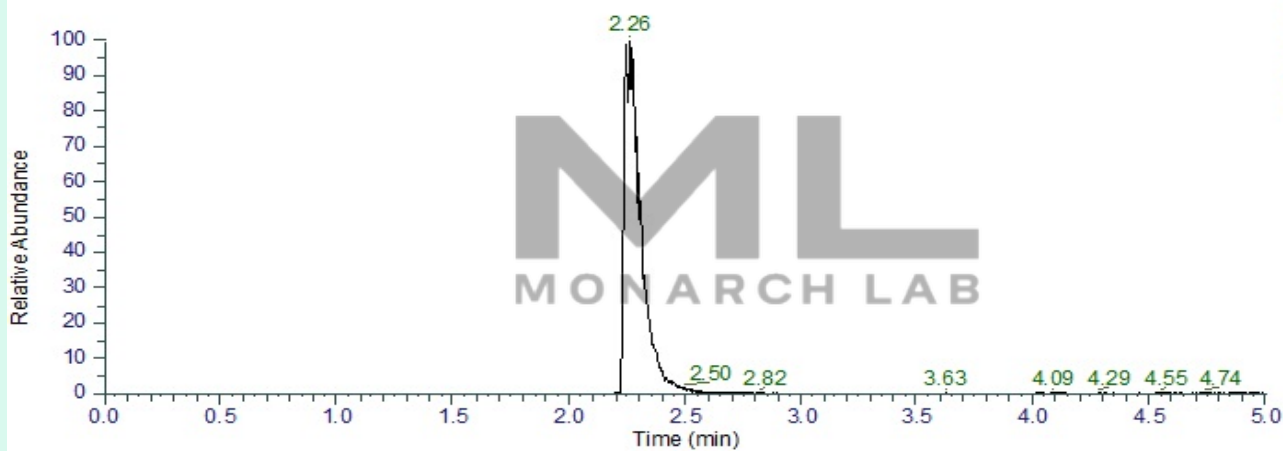
**Pubchem CID:** 53314964

Vasoactive Intestinal Peptide | C147H238N44O42S | CID 53314964

|                | Specification | Result        |                 |
|----------------|---------------|---------------|-----------------|
| Identity Test: | VIP           | <b>VIP</b>    | <b>Conforms</b> |
| Purity:        | >99%          | <b>99.64%</b> | <b>Conforms</b> |

### LC-MS Chromatogram: Retention Time and Peak Analysis

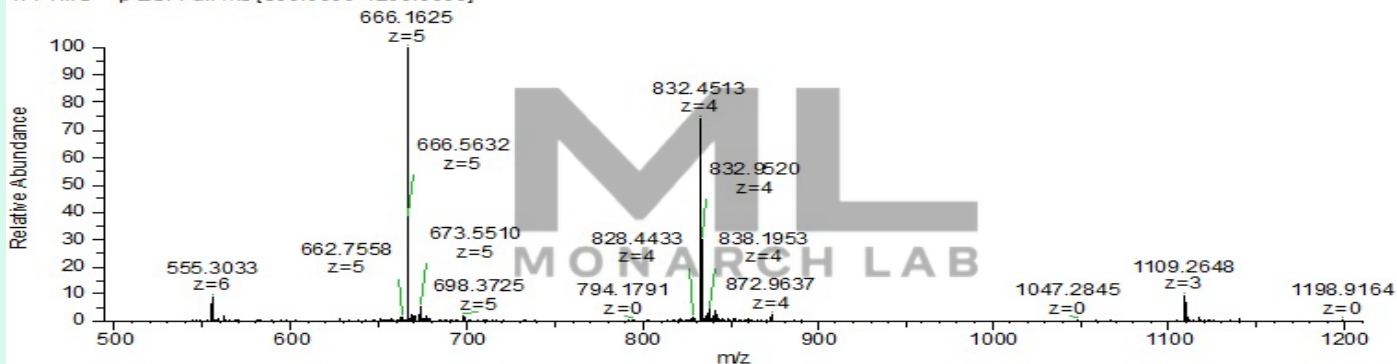
RT :0.00-5.01



NL: 4.37E8  
m/z = 868.16-  
868.17 MS F: MS  
AARL-VIP-  
10mg\_01

### Full Scan Mass Spectrometry Analysis

AARL-VIP-10mg\_01 #480 RT: 2.27 AV: 1 NL: 4.18E8  
T: FTMS + p ESI Full ms [500.0000-1200.0000]



Display: True  
Detector Type: MS  
TraceType: MS  
Filename: C:\Users\Bertoni\Documents\Bioregen\_LLC\Sequences\0902025\_PQ2AARL-VIP-10mg\_01.raw\MS  
Filter: None  
MassDefectRange: MCRanges  
Range: 666.1625  
Smoothing: None  
ChemicalFormula: None  
MassTolerance: 5  
DelayTime: 0  
Reference: False  
ReOperator: None  
TraceType2: None  
Range2: None  
Comment: None

### Analysis Performed by

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Security Key **MONARCH**  
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