

CERTIFICATE OF ANALYSIS

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Product Name          | MOTS-c                                                          |
| Cas No                | 1627580-64-6                                                    |
| Sequence              | Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg |
| Dissolution condition | 100%-H <sub>2</sub> O                                           |
| Length                | 16AA                                                            |
| Modification          | N/A                                                             |
| Molecular Weight (MW) | 2174.60±1                                                       |
| Storage               | -20°C                                                           |

| Test Items          | Specifications                        | Results  |
|---------------------|---------------------------------------|----------|
| Purity by HPLC      | ≥99.0%                                | 99.54%   |
| Endotoxin           | < 50.0EU/mg                           | Conforms |
| Moisture content    | ≤8.0%                                 | 5.5%     |
| Acetic acid content | ≤15.0%                                | 7.1%     |
| Appearance          | White to off-white lyophilized powder | Conforms |

Certified by:  
Quality Assurance  
Department

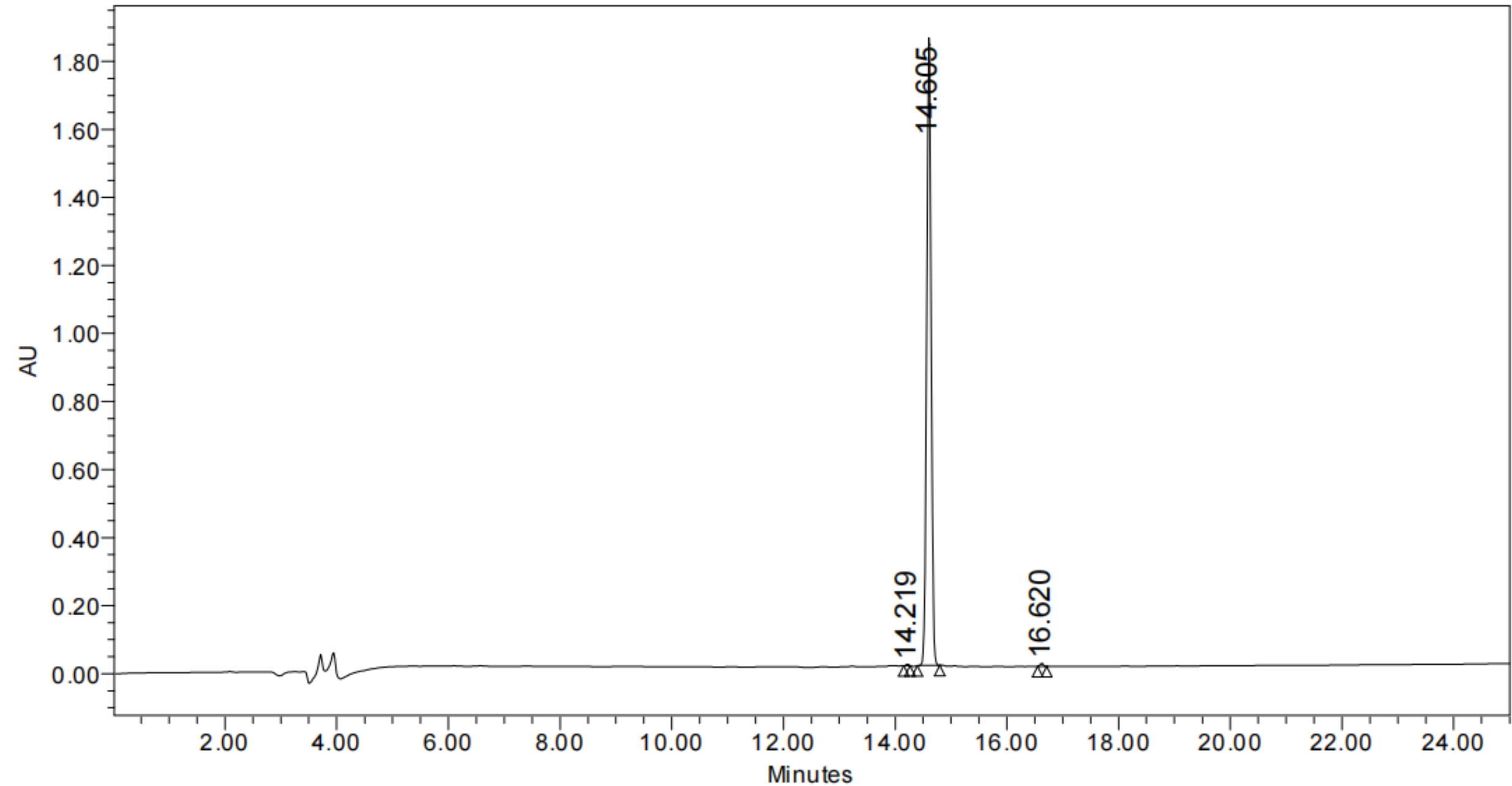
Date 06/12/2024

Note: this product is intended for research use only.

Sample Information

Name : MOTS-c  
Sequence : Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg  
Cas No : 1627580-64-6  
Pump A : 0.1% Trifluoroacetic in 100% Water  
Pump B : 0.1% Trifluoroacetic in 100% Acetonitrile  
Total Flow : 1ml/min  
Wavelength : 220nm  
Analytical column type : SHIMADZU Inertsil ODS-SP ( 4.6\*250mm\*5um)  
Inj. Volume : 10ul

| Time  | Module | Action | Value |
|-------|--------|--------|-------|
| 0.00  | Pumps  | B.Conc | 5     |
| 25.00 | Pumps  | B.Conc | 65    |
| 25.01 | Pumps  | B.Conc | 100   |
| 30.00 | Pumps  | B.Conc | 100   |
| 30.01 | Pumps  | Stop   |       |



|   | RT     | Area     | % Area | Height  |
|---|--------|----------|--------|---------|
| 1 | 14.219 | 14593    | 0.14   | 3987    |
| 2 | 14.605 | 10363327 | 99.54  | 1841210 |
| 3 | 16.620 | 33484    | 0.32   | 7980    |



ElixirPeptide

ЧУДО НАУКИ В КАЖДОЙ КАПЛЕ

