For Enjoyable Discovery

# CERTIFICATE OF ANALYSIS

| | |
|---|---|
| **Product Name** | HAVDI peptide, Cat.#: 319718 (TFA removed) |
| **Lot No.** | MTFB21219-261010 |
| **Sequence** | Fmoc-HAVDI (Acetate Salt) |
| **Dissolution condition** | 30%ACN+70%H2O |
| **Modification** | Acetate salt |
| **Molecular Weight (MW)** | 775.85 |
| **Storage** | -20°C |

| Test Items | Specifications | Results |
|---|---|---|
| **MW by MS** | 775.60 | Conforms |
| **Purity by HPLC** | >95% | 99.106% |
| **Peptide content** | N/A | N/A |
| **Moisture content** | N/A | N/A |
| **Acetic acid content** | N/A | N/A |
| **Appearance** | White to off-white lyophilized powder | Conforms |
| **Quantity** | 20.0mg | 5.0mg*4 |

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by:

Quality Assurance Department

Oct/27/2026

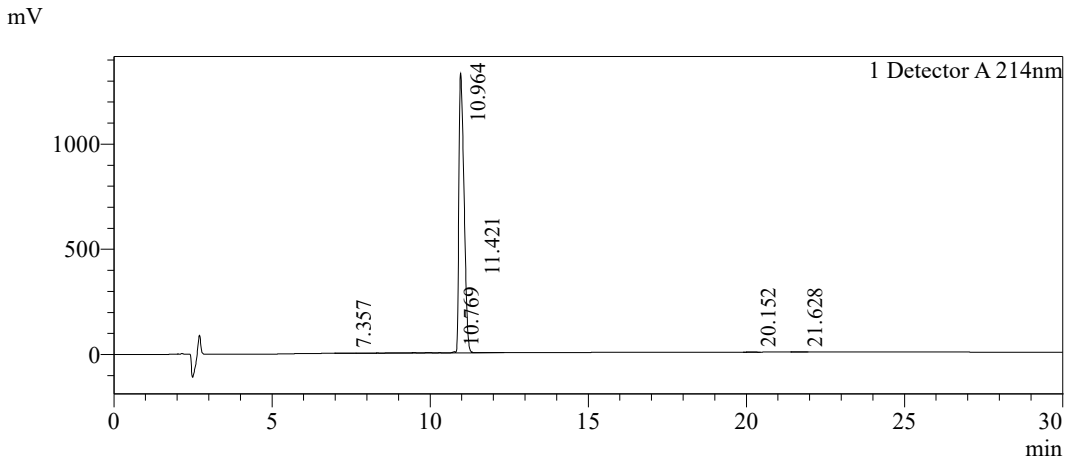
NovoPro Biosciences Inc. VERIFIED Quality Control

## Sample Information

| | |
|---|---|
| Order ID | :MTFB21219 |
| Name | :HAVDI peptide, Cat.#: 319718 (TFA removed) |
| Sequence | :Fmoc-HAVDI (Acetate Salt) |
| Lot. No | :MTFB21219-261010 |
| Pump A | :0.1%Trifluoroacetic in 100% water |
| Pump B | :0.1%Trifluoroacetic in 100% acetonitrile |
| Total Flow | :1ml/min |
| Wavelength | :214nm |
| Analytial column type | :Kromasil 100-5-C18 (4.6*250mm*5 μm) |
| Dissolution method | :30%ACN+70%H2O |
| Inj. Volume | : 15ul |

| Time | Module | Action | Value |
|---|---|---|---|
| 0.01 | Pumps | B.Conc | 35 |
| 30.00 | Pumps | B.Conc | 65 |
| 33.00 | Pumps | B.Conc | 100 |
| 38.00 | Pumps | B.Conc | 100 |
| 40.00 | Pumps | B.Conc | 35 |
| 50.00 | Controller | Stop | |

## Chromatogram

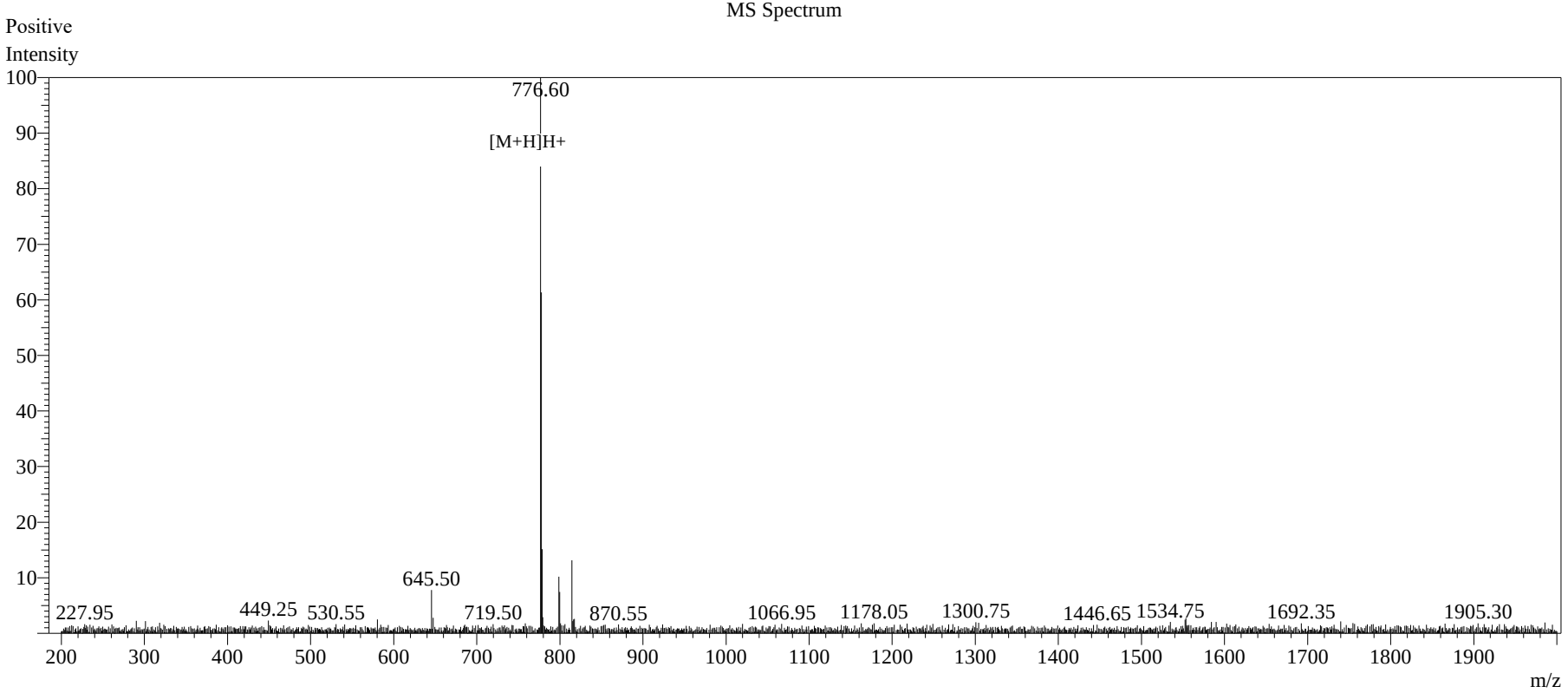



## Peak Table

Detector A 214nm

| Peak# | Ret. Time | Area | Height | Area% |
|---|---|---|---|---|
| 1 | 7.357 | 7890 | 753 | 0.052 |
| 2 | 10.769 | 91776 | 5041 | 0.606 |
| 3 | 10.964 | 15011184 | 1327185 | 99.106 |
| 4 | 11.421 | 19693 | 727 | 0.130 |
| 5 | 20.152 | 9587 | 844 | 0.063 |
| 6 | 21.628 | 6536 | 584 | 0.043 |
| Total | | 15146666 | 1335133 | 100.000 |

MS Spectrum




## Sample Information

| | | | |
|---|---|---|---|
| Dissolution method | :30%ACN+70%H2O | | |
| Date Acquired | :2026/10/21 13:40:18 | | |
| Injection Volume | :0.2ul | | |
| Block Temp | :200 | | |
| Interface | :ESI | Prerod Bias | :+4.5kv |
| Nebulizing Gas Flow | :1.50L/min | Detector | :-0.2kv |
| CDL Temp | :250℃ | T.Flow | :0.2ml/min |
| CDL Volt | :0v | B.conc | :50%H2O/50%MEOH |

| | |
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| Lot.No | :MTFB21219-261010 |
| Theoretical | :775.85 |
| Observed | :775.60 |