

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	MOTS-c peptide, Cat.#: 319017 (TFA removed)
<b>Lot No.</b>	MTFA31180-0327
<b>Sequence</b>	MRWQEMGYIFYPRKLR (Acetate Salt)
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	16AA
<b>Modification</b>	acetate salt
<b>Molecular Weight (MW)</b>	2174.60
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	2174.70	Conforms
<b>Purity by HPLC</b>	>95%	95.053%
<b>Peptide content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	75mg	5.0mg*15

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

Apr/02/2024



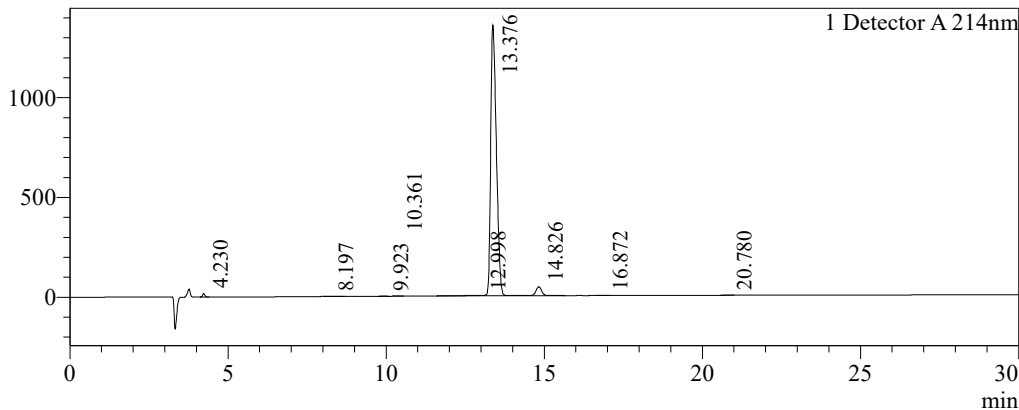
### Sample Information

Order ID :MTFA31180  
 Name :MOTS-c peptide (TFA removed)  
 Sequence :MRWQEMGYIFYPRKLR (Acetate Salt)  
 Lot. No :MTFA31180-0327  
 Pump A :0.1%Trifluoroacetic in 100% water  
 Pump B :0.1%Trifluoroacetic in 100% acetonitrile  
 Total Flow :1ml/min  
 Wavelength :214nm  
 Analytical column type :Phenomenex Luna® 5 µm C18 (2) (4.6\*250mm\*5 µm)  
 Dissolution method :100%H<sub>2</sub>O  
 Inj. Volume : 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
30.00	Pumps	B.Conc	50
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

### Chromatogram

mV

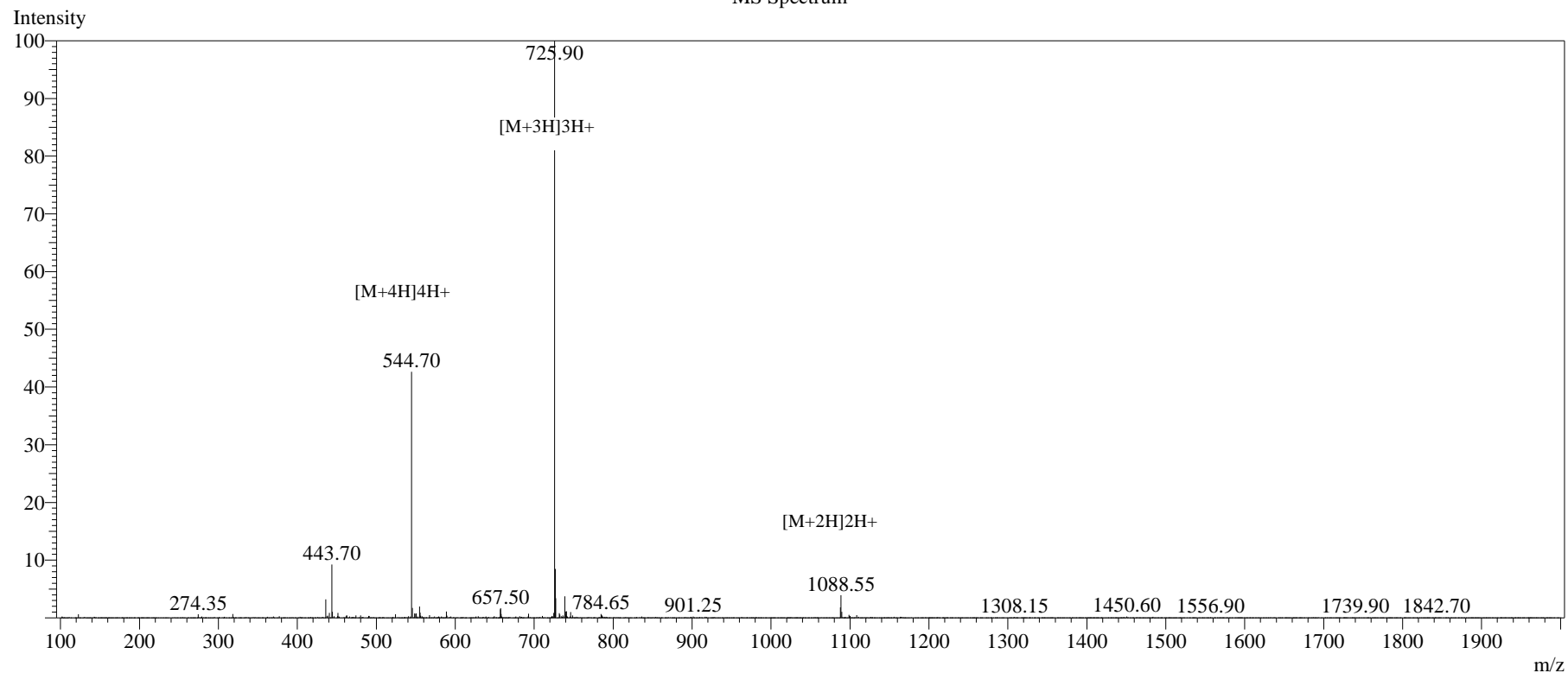


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	4.230	85319	17381	0.481
2	8.197	13032	726	0.074
3	9.923	14650	1519	0.083
4	10.361	6142	602	0.035
5	12.998	113877	2497	0.642
6	13.376	16853221	1355333	95.053
7	14.826	634830	44289	3.580
8	16.872	2915	265	0.016
9	20.780	6303	590	0.036
Total		17730289	1423201	100.000

## MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/04/01 10:20:58	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H <sub>2</sub> O/50% MEOH

Order ID	:MTFA31180
Name	:MOTS-c peptide (TFA removed)
Sequence	:MRWQEMGYIFYPRKLR (Acetate Salt)
Lot.No	:MTFA31180-0327
Theoretical	:2174.60
Observed	:2174.70