
CERTIFICATE OF ANALYSIS

Product Name	MOTS-c peptide, Cat.#: 319017 (TFA removed)
Lot No.	MTFA30468-0911
Sequence	MRWQEMGYIFYPRKLR (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	16AA
Modification	acetate salt
Molecular Weight (MW)	2174.60
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2174.40	Conforms
Purity by HPLC	>95%	99.615%
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	40mg	5.0mg*8

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

Sep/20/2023

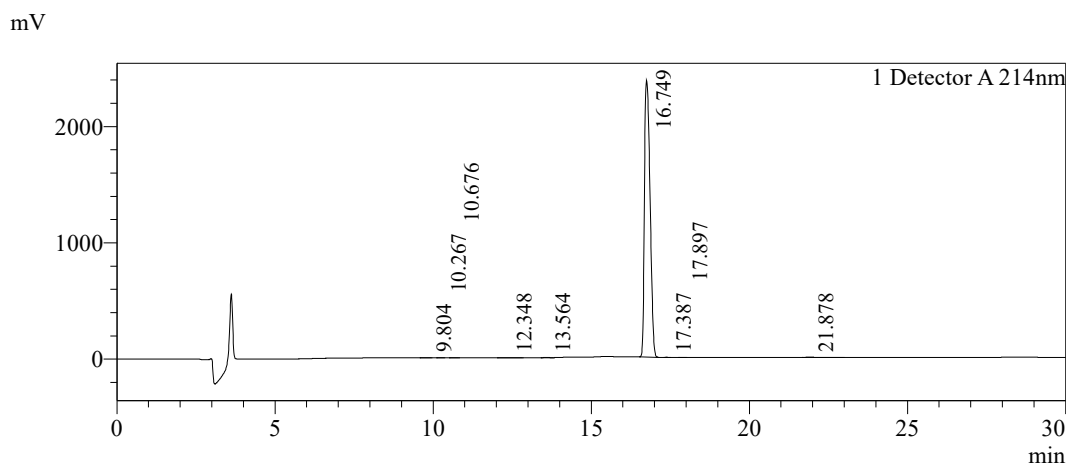


Sample Information

Order ID :MTFA30468
 Name :MOTS-c peptide (TFA removed)
 Sequence :MRWQEMGYIFYPRKLR (Acetate Salt)
 Lot. No :MTFA30468-0911
 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 :Shim-pack GIST C18(4.6*250mm*5um)
 Dissolution method :100%H2O
 Inj. Volume : 25ul

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

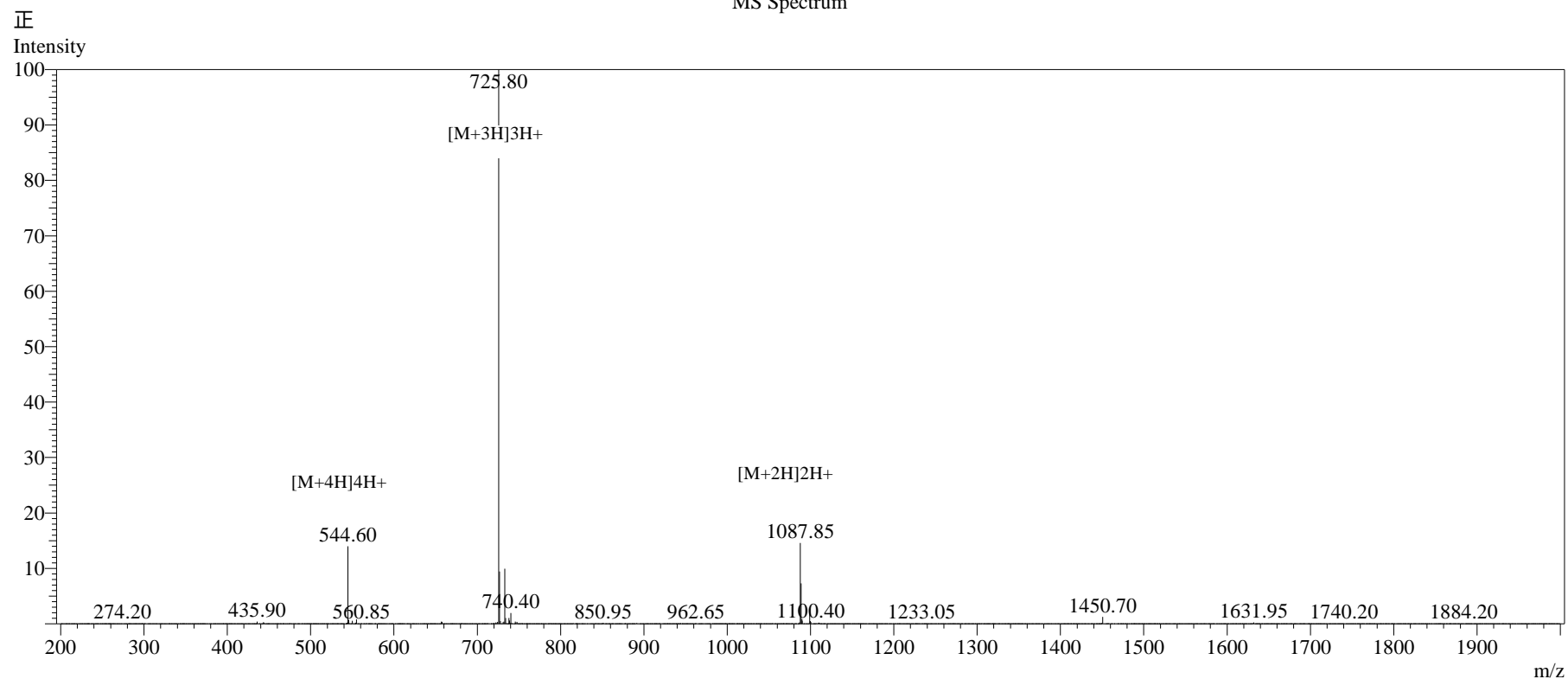


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.804	10363	1123	0.035
2	10.267	2198	341	0.007
3	10.676	2464	411	0.008
4	12.348	13537	915	0.046
5	13.564	17069	2154	0.058
6	16.749	29330478	2378711	99.615
7	17.387	8906	1465	0.030
8	17.897	8732	1217	0.030
9	21.878	50151	2888	0.170
Total		29443898	2389225	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/09/20 13:22:01	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 ₂ O/50% MEOH

Order ID	:MTFA30468
Name	:MOTS-c peptide (TFA removed)
Sequence	:MRWQEMGYIFYPRKLR(Acetate Salt)
Lot.No	:MTFA30468-0911
Theoretical	:2174.60
Observed	:2174.40