
CERTIFICATE OF ANALYSIS

Product Name	MOTS-c peptide, Cat.#: 319017 (TFA Removed)
Lot No.	MTFA33632-251124
Sequence	MRWQEMGYIFYPRKLR (Acetate Salt)
Dissolution condition	100%H2O
Modification	acetate salt
Molecular Weight (MW)	2174.60
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2174.55	Conforms
Purity by HPLC	>95%	97.471%
Endotoxin Content	N/A	N/A
TFA solubility	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	100mg	20.0mg*5

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:



Nov/25/2025

Quality Assurance Department

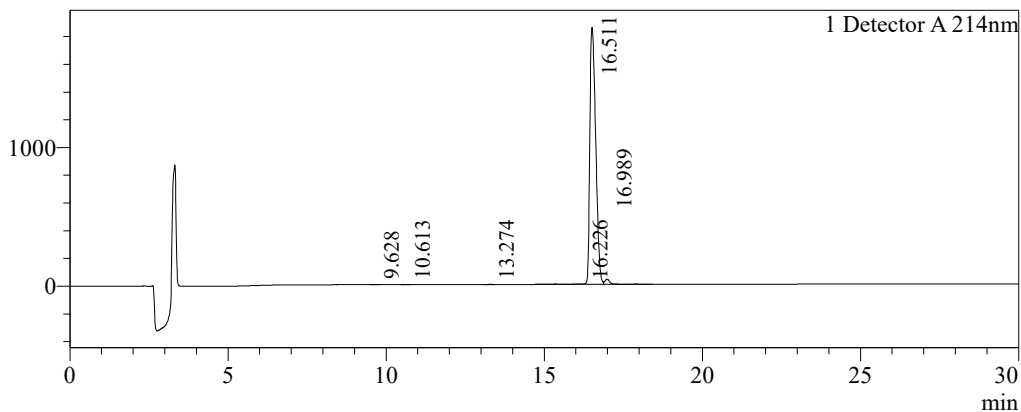


Sample Information

Order ID	:MTFA33632		
Name	:MOTS-c peptide		
Sequence	:MRWQEMGYIFYPRKLR (Acetate Salt)		
Lot.No	:MTFA33632-251124		
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	:Kromasil 100-5-C18 (4.6*250mm*5 µm)		
Dissolution method	:100%H2O		
Inj. Volume	: 50ul		
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

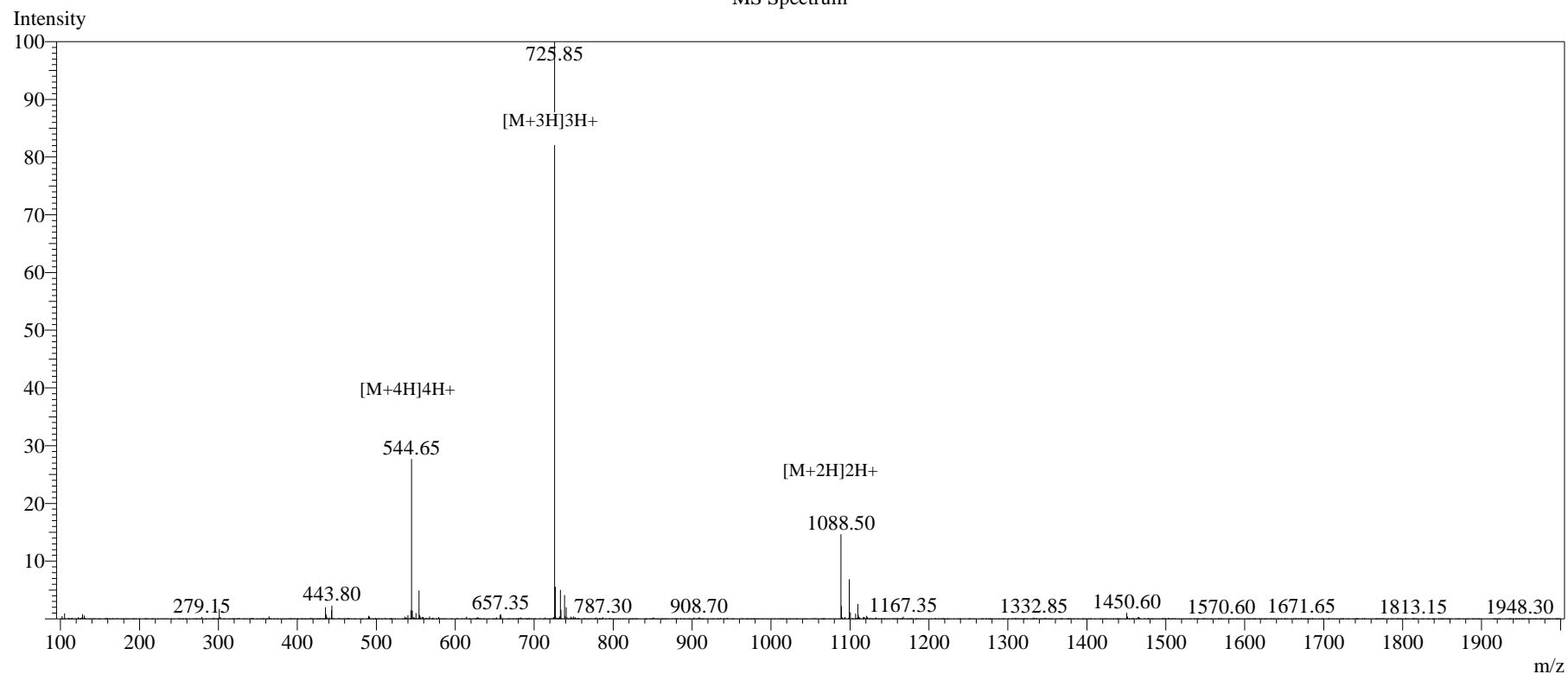


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.628	6970	958	0.028
2	10.613	7569	1059	0.031
3	13.274	11821	1623	0.048
4	16.226	137249	3849	0.559
5	16.511	23940991	1853739	97.471
6	16.989	457627	37213	1.863
Total		24562228	1898440	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/11/20 11:33:21	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% ME OH
Order ID	:MTFA33632				
Name	:MOTS-c peptide				
Sequence	:MRWQEMGYIFYPRKLR (Acetate Salt)				
Lot.No	:MTFA33632-251124				
Theoretical	:2174.60				
Observed	:2174.55				