

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	5.0mg*20

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

Nov/25/2025

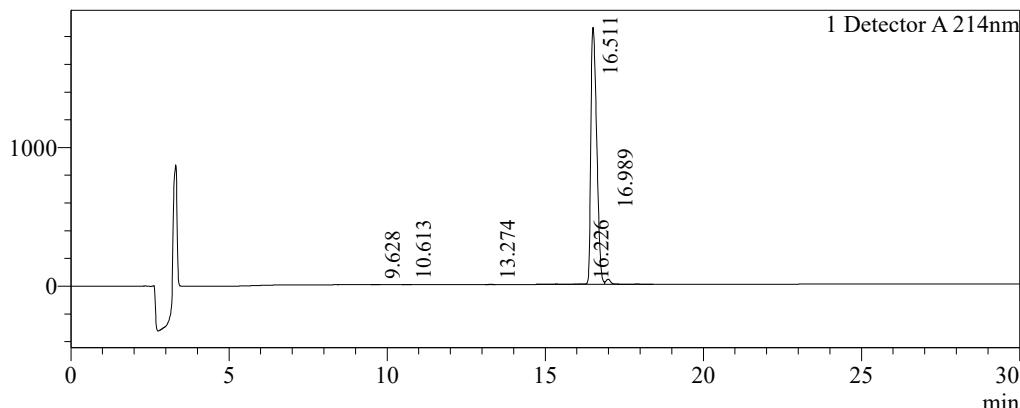


Sample Information

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 μ m)
 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

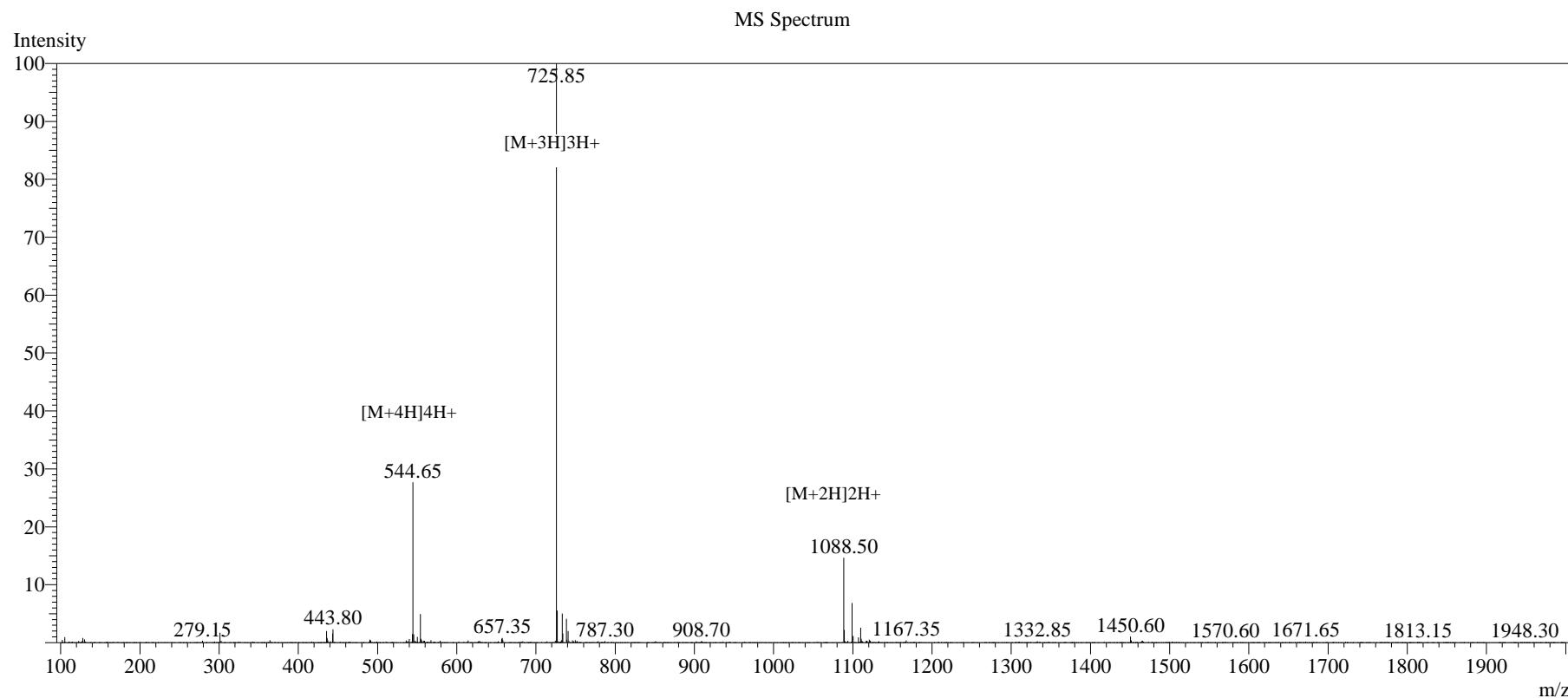
mV



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



Sample Information

Dissolution method	:15%ACN+85%H2O	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%H2O/50%MEOH
Order ID	:MTFA33632				
Name	:MOTS-c peptide				
Sequence	:MRWQEMGYIFYPRKLR (Acetate Salt)				
Lot.No	:MTFA33632-251124				
Theoretical	:2174.60				
Observed	:2174.55				