

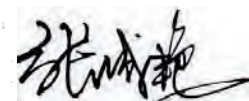
CERTIFICATE OF ANALYSIS

Product Name	Antibacterial peptide LL-37 amide Cat.#: 308114 (TFA removed)
Lot No.	MTFA30942-0122
Sequence	LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPVPRTE-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	37AA
Modification	acetate salt
Molecular Weight (MW)	4492.28
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4492.80	Conforms
Purity by HPLC	>95%	97.751%
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	200mg	5.0mg*40

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:



Jan/25/2024

Quality Assurance Department



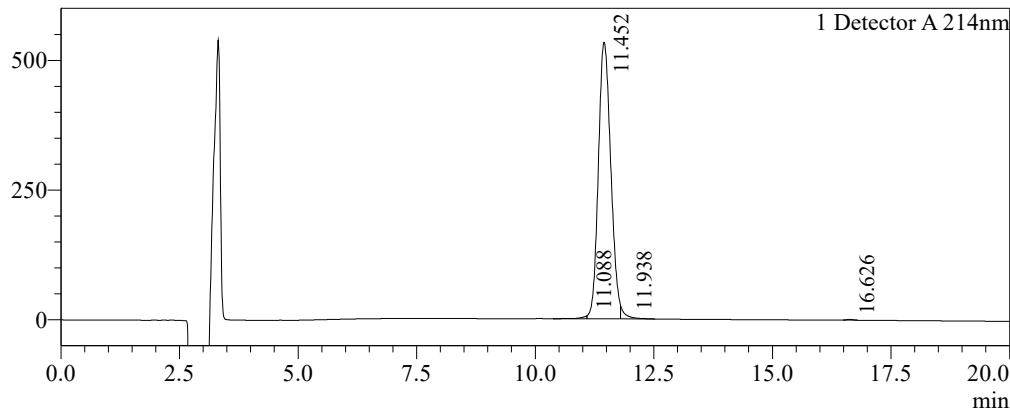
Sample Information

Order ID :MTFA30942
 Name : Antibacterial peptide LL-37 amide
 Sequence :LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES-NH2
 (Acetate Salt)
 Lot. No :MTFA30942-0122
 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%H2O
 Inj. Volume : 50ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	40
20.00	Pumps	B.Conc	60
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	40
50.00	Controller	Stop	

Chromatogram

mV

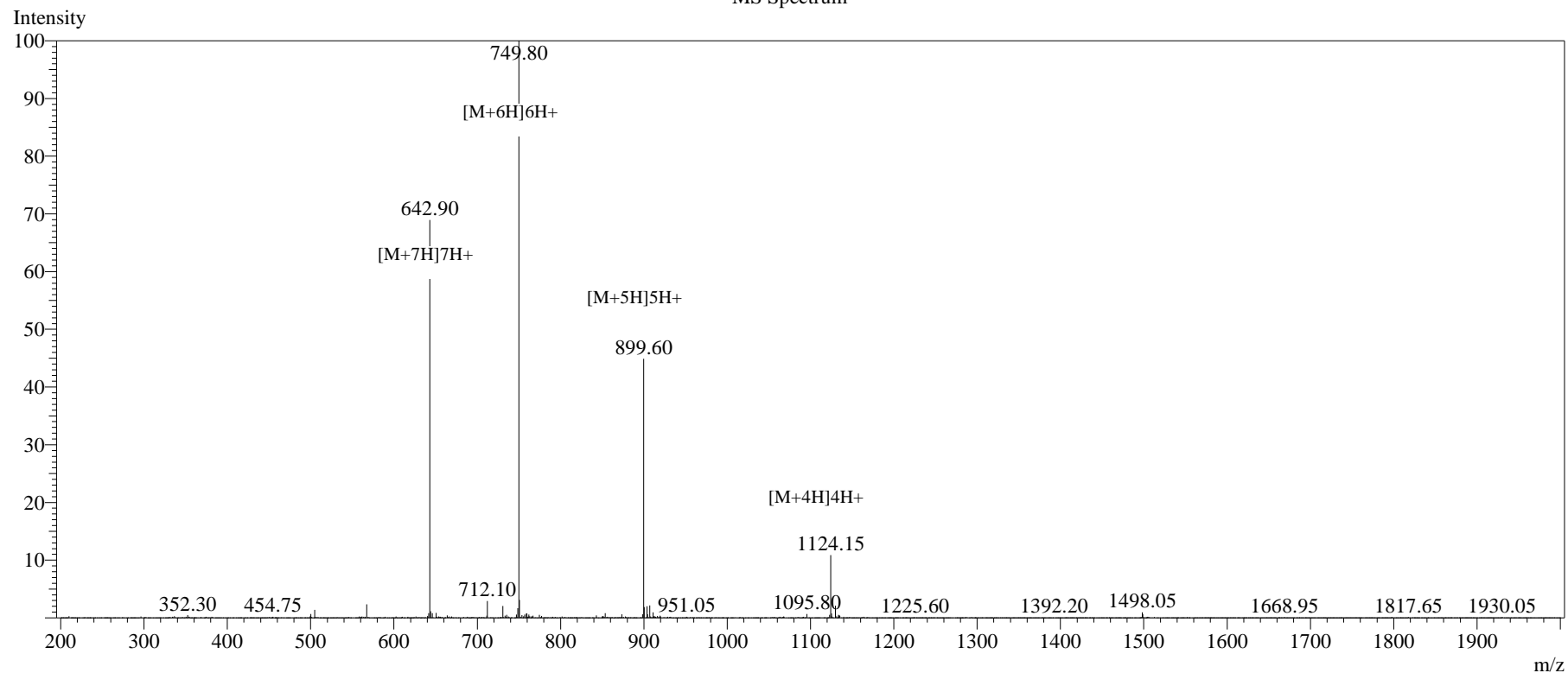


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.088	51776	5485	0.522
2	11.452	9689853	533077	97.751
3	11.938	157926	6695	1.593
4	16.626	13259	1541	0.134
Total		9912814	546797	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/01/23 11:19:06	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	:MTFA30942
Name	:Antibacterial peptide LL-37 amide
Sequence	:LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES-NH ₂ (Acetate Salt)
Lot.No	:MTFA30942-0122
Theoretical	:4492.28
Observed	:4492.80