
CERTIFICATE OF ANALYSIS

Product Name	Elicitor peptide AtPep1, Cat.# 309885
Lot No.	GTA34704-1107
Sequence	ATKVKAKQRGKEKVSSGRPGQHN
Dissolution condition	100%H ₂ O
Length	23AA
Modification	N/A
Molecular Weight (MW)	2491.82
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2492.10	Conforms
Purity by HPLC	>95%	95.118%
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	10mg	5.0mg*2

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

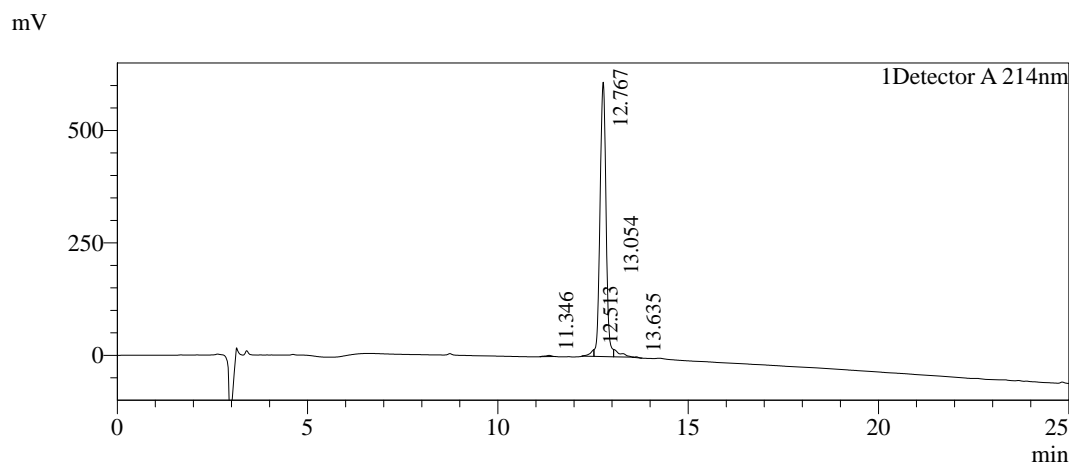
Nov/14/2022



Sample Information

Order ID	:GTA34704		
Name	:Elicitor peptide AtPep1		
Sequence	:ATKVKAKQRGKEKVSSGRPGQHN		
Lot. No	:GTA34704-1107		
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	:YMC-Triart C18(4.6*250mm*5um)		
Dissolution method	:100% H ₂ O		
Inj. Volume	: 50ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	5
25.00	Pumps	B.Conc	30
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	5
50.00	Controller	Stop	

Chromatogram

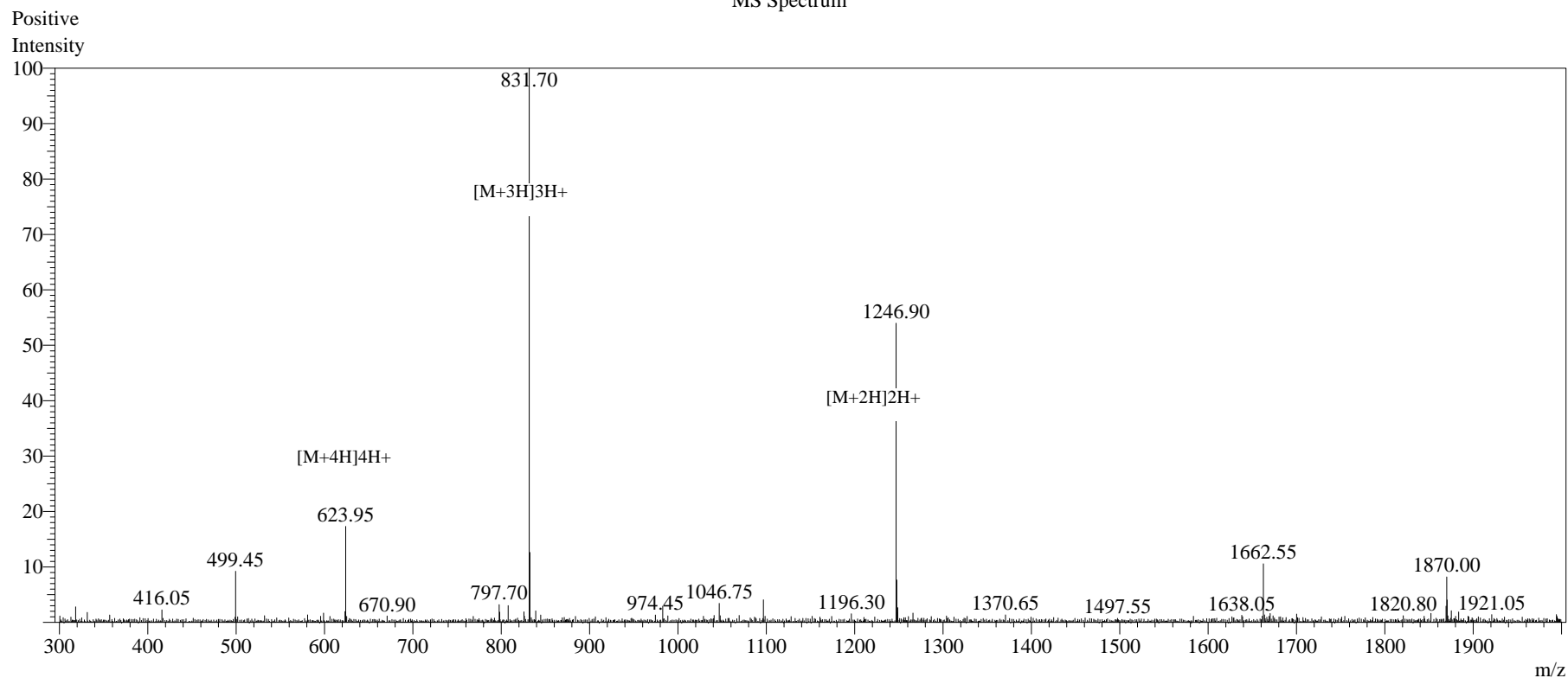


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.346	29317	2549	0.422
2	12.513	106708	14456	1.535
3	12.767	6611551	610157	95.118
4	13.054	193953	16198	2.790
5	13.635	9397	1778	0.135
Total		6950926	645138	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2022/11/14 14:05:59	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H ₂ O/50% MEOH
Order ID	:GTA34704				
Name	:Elicitor peptide AtPep1				
Sequence	:ATKVKAKQRGKEKVSSGRPGQHN				
Lot.No	:GTA34704-1107				
Theoretical	:2491.82				
Observed	:2492.10				