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**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	IDR-1018 peptide, Cat.#: 318922
<b>Lot No.</b>	MTFA32493-0225
<b>Sequence</b>	VRLIVAVRIWRR-NH2
<b>Dissolution condition</b>	100%H2O
<b>Length</b>	12AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	1535.93
<b>Storage</b>	-20°C

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<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	1536.40	Conforms
<b>Purity by HPLC</b>	>95%	95.637%
<b>Peptide content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	5mg	5.0mg

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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

Feb/28/2025

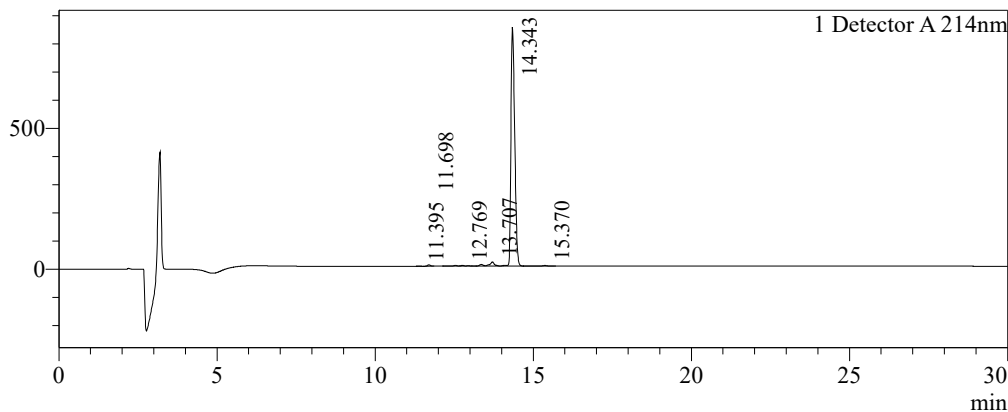


### Sample Information

Order ID	:MTFA32493		
Name	:IDR-1018 peptide		
Sequence	:VRLIVAVRIWRR-NH2		
Lot. No	:MTFA32493-0225		
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	: 15ul		
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

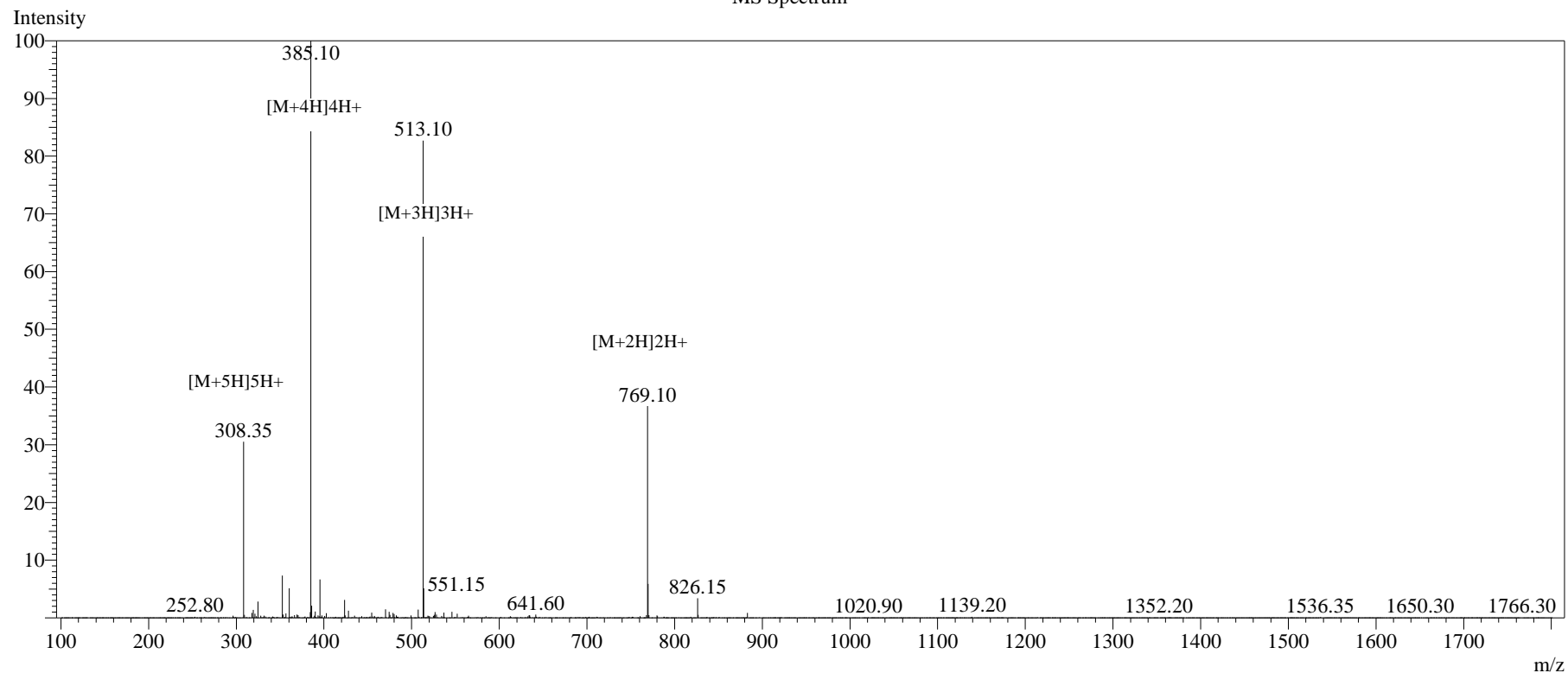


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.395	3083	518	0.042
2	11.698	31219	4745	0.424
3	12.769	46939	2290	0.637
4	13.707	203695	14396	2.763
5	14.343	7050027	847851	95.637
6	15.370	36662	2230	0.497
Total		7371626	872031	100.000

# MS Spectrum



## Sample Information

Dissolution method :15% ACN+85% H<sub>2</sub>O  
 Date Acquired :2025/02/27 14:14:05  
 Injection Volume :0.2ul  
 Block Temp :200

Interface :ESI  
 Nebulizing Gas Flow :1.50L/min  
 CDL Temp :250°C  
 CDL Volt :0v

Prerod Bias :+4.5kv  
 Detector :-0.2kv  
 T.Flow :0.2ml/min  
 B.conc :50% H<sub>2</sub>O/50% ME OH

Order ID :MTFA32493  
 Name :IDR-1018 peptide  
 Sequence :VRLIVAVRIWRR-NH<sub>2</sub>  
 Lot.No :MTFA32493-0225  
 Theoretical :1535.93  
 Observed :1536.40