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**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Buforin IIb peptide, Cat.#: 319402 (TFA removed)
<b>Lot No.</b>	MTFA30463-0908
<b>Sequence</b>	RAGLQFPVGRLLRLLRLLR (Acetate Salt)
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	21AA
<b>Modification</b>	acetate salt
<b>Molecular Weight (MW)</b>	2560.12
<b>Storage</b>	-20°C

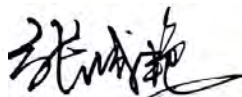
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<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	2559.75	Conforms
<b>Purity by HPLC</b>	>95%	99.554%
<b>Peptide Content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	400mg	5.0mg*80

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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

Sep/28/2023



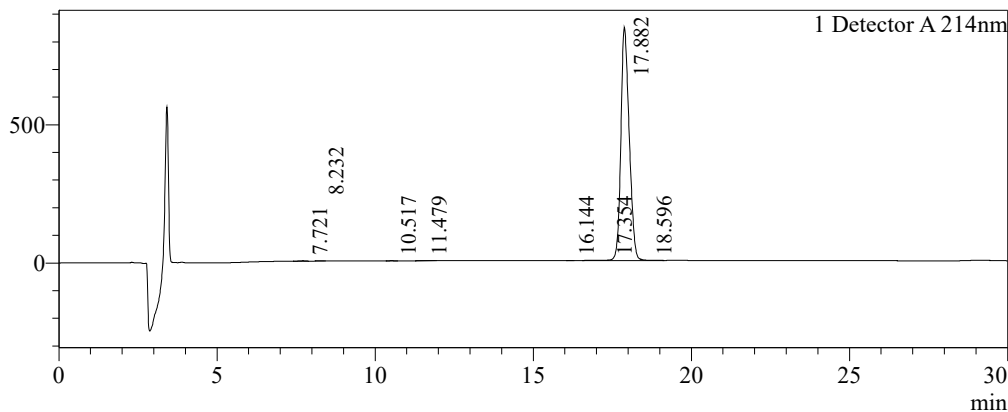
### Sample Information

Order ID :MTFA30463  
 Name :Buforin IIb peptide  
 Sequence :RAGLQFPVGRLLRLLRLLR (Acetate Salt)  
 Lot. No :MTFA30463-0908  
 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 : 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	30
30.00	Pumps	B.Conc	60
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	30
50.00	Controller	Stop	

### Chromatogram

mV

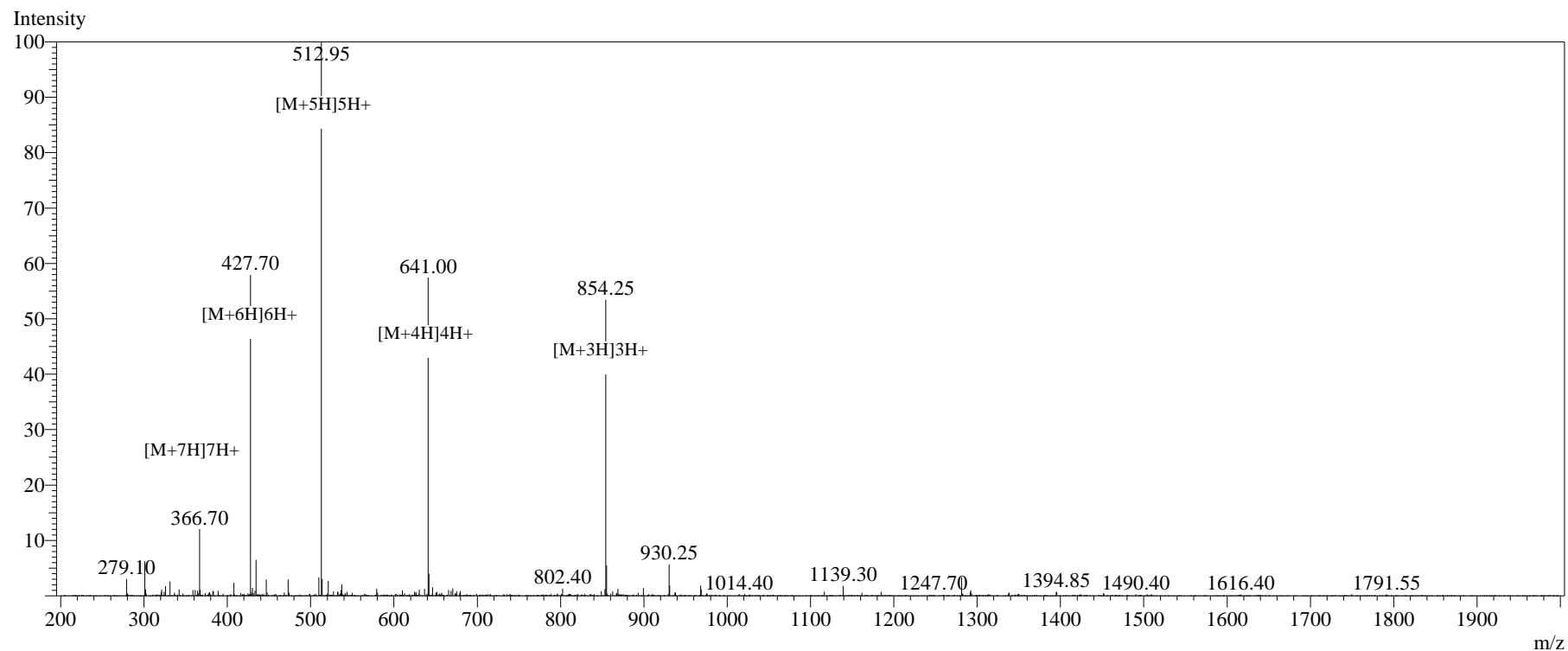


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	7.721	14527	1376	0.094
2	8.232	3056	372	0.020
3	10.517	4877	573	0.032
4	11.479	8470	461	0.055
5	16.144	955	140	0.006
6	17.354	25420	1117	0.164
7	17.882	15409528	843545	99.554
8	18.596	11792	1027	0.076
Total		15478625	848610	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/09/26 11:04:44	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 <sub>2</sub> O/50% MEOH

Order ID	:MTFA30463
Name	:Buforin IIb peptide
Sequence	:RAGLQFPVGRLLRLLRLLR(Acetate Salt)
Lot.No	:MTFA30463-0908
Theoretical	:2560.12
Observed	:2559.75