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**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Vespid chemotactic peptide 5g, Cat.#: 314776
<b>Lot No.</b>	MTFA32235-2-1217
<b>Sequence</b>	FLIIRRPIVLGLL
<b>Dissolution condition</b>	15%ACN+85%H <sub>2</sub> O
<b>Length</b>	13AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	1522.97
<b>Storage</b>	-20°C

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Test Items	Specifications	Results
MW by MS	1523.25	Conforms
Purity by HPLC	>95%	97.272%
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	20mg	5.0mg*4

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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

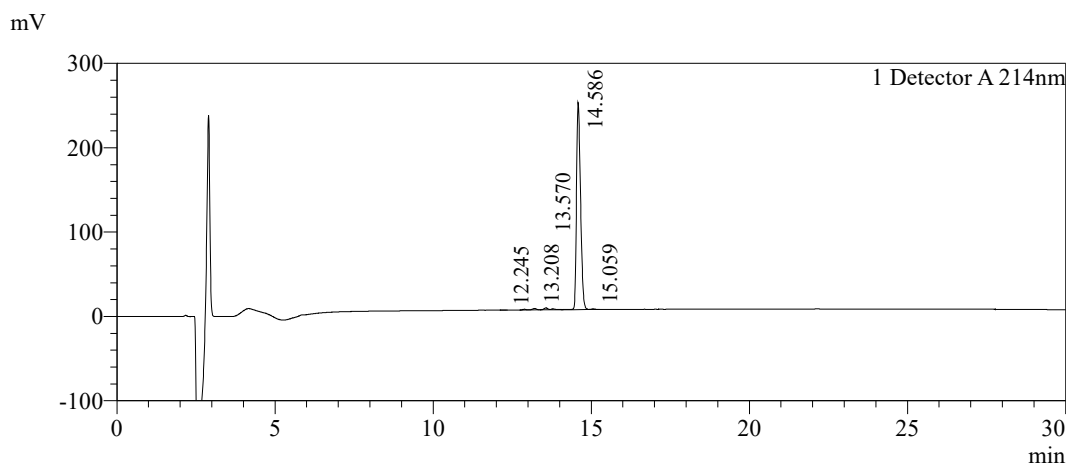
Feb/06/2025



### Sample Information

Order ID	:MTFA32235-2		
Name	:Vespid chemotactic peptide 5g		
Sequence	:FLIIRRPIVLGLL		
Lot. No	:MTFA32235-2-1217		
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	:15%ACN+85%H2O		
Inj. Volume	: 25ul		
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

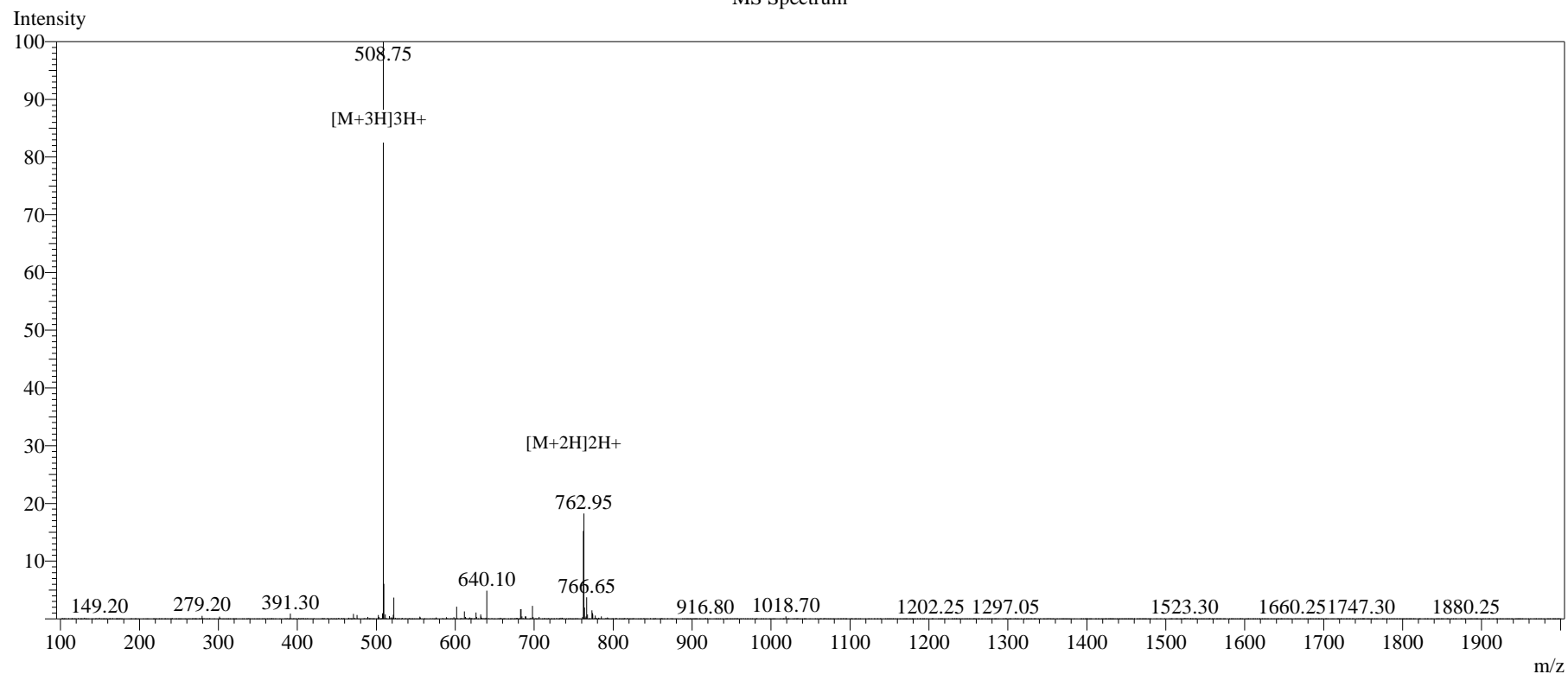


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.245	1046	163	0.047
2	13.208	20368	1614	0.909
3	13.570	33263	2170	1.485
4	14.586	2179498	245688	97.272
5	15.059	6448	786	0.288
Total		2240622	250421	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/12/24 10:22:59	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	:MTFA32235-2
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Lot.No	:MTFA32235-2-1217
Theoretical	:1522.97
Observed	:1523.25