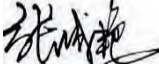

CERTIFICATE OF ANALYSIS

Product Name	Vespid chemotactic peptide 5f, Cat.#: 306327
Lot No.	MTFA32235-3-1217
Sequence	FLPIRPILLGLL
Dissolution condition	30%ACN+70%H2O
Length	13AA
Modification	N/A
Molecular Weight (MW)	1461.87
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1462.10	Conforms
Purity by HPLC	>95%	95.098%
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

Feb/06/2025

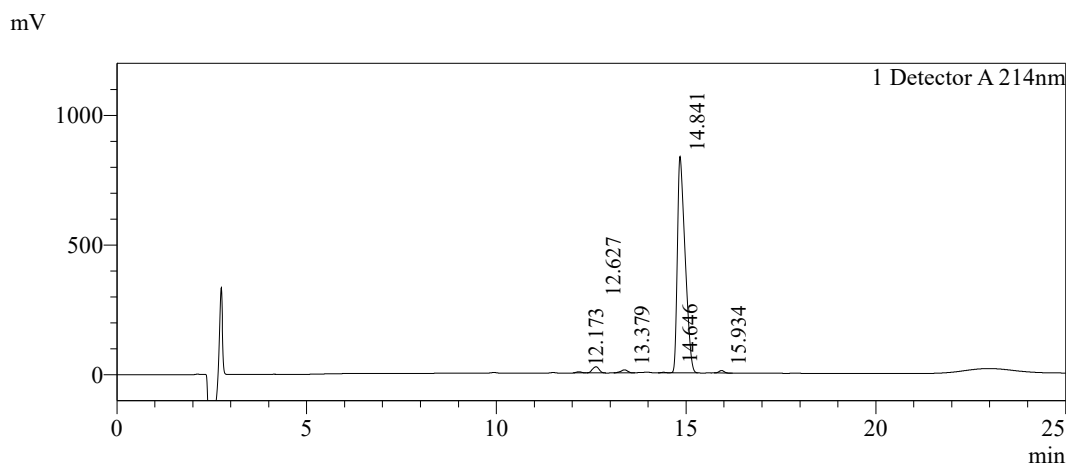


Sample Information

Order ID :MTFA32235-3
 Name :Vespid chemotactic peptide 5f
 Sequence :FLPIRPILLGLL
 Lot. No :MTFA32235-3-1217
 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 :30%ACN+70%H2O
 Inj. Volume : 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	35
25.00	Pumps	B.Conc	60
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	35
50.00	Controller	Stop	

Chromatogram

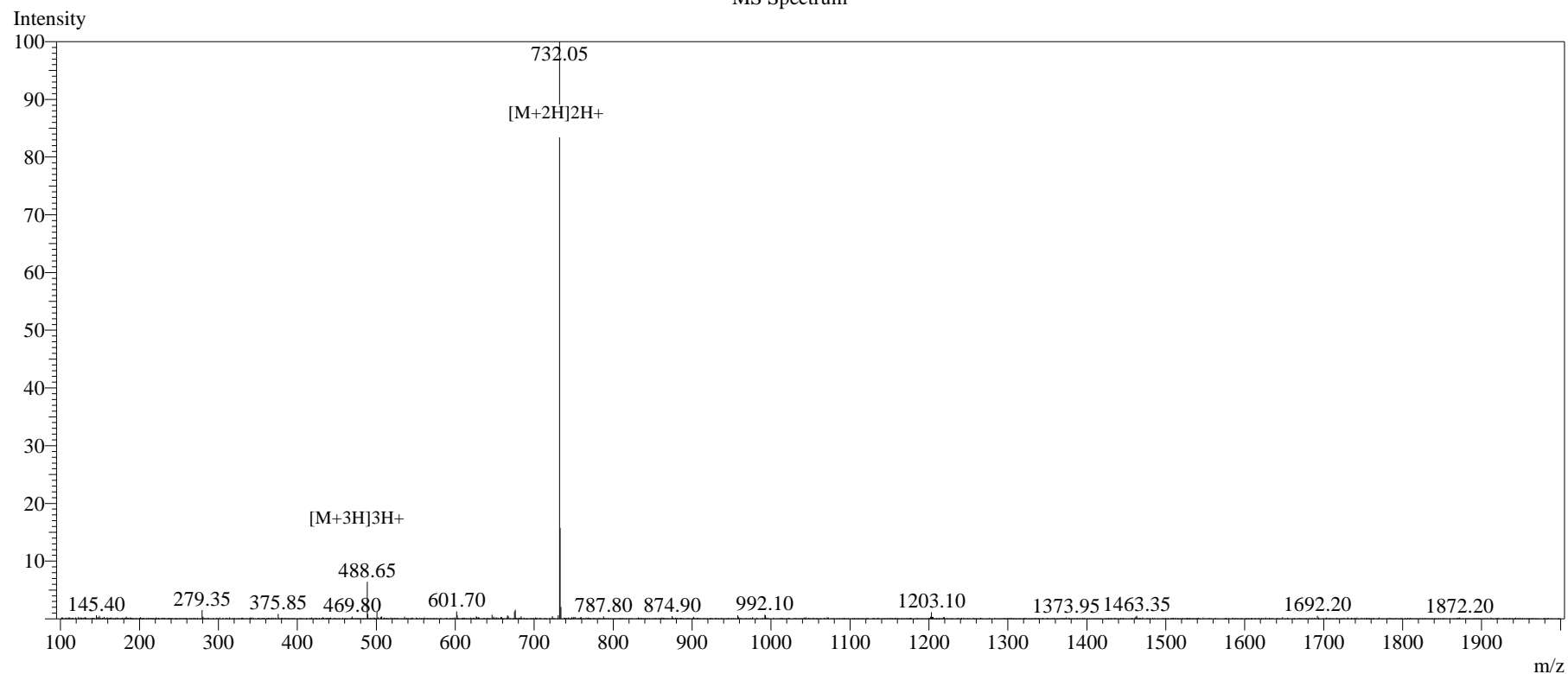


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.173	41265	4465	0.336
2	12.627	290506	23804	2.368
3	13.379	147838	11824	1.205
4	14.646	26707	2708	0.218
5	14.841	11665075	834337	95.098
6	15.934	95012	9782	0.775
Total		12266404	886920	100.000

MS Spectrum



Sample Information

Dissolution method	:30% ACN+70% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/12/24 13:17:14	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	:MTFA32235-3				
Name	:Vespid chemotactic peptide 5f				
Sequence	:FLPIPRPILLGLL				
Lot.No	:MTFA32235-3-1217				
Theoretical	:1461.87				
Observed	:1462.10				