

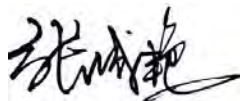
CERTIFICATE OF ANALYSIS

Product Name	IDR-1018 peptide, Cat.#: 318922
Lot No.	MTFA30113-1-0425
Sequence	VRLIVAVRIWRR-NH2
Dissolution condition	100%H2O
Length	12AA
Modification	N/A
Molecular Weight (MW)	1535.93
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1535.34	Conforms
Purity by HPLC	>95%	96.624%
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

May/12/2023

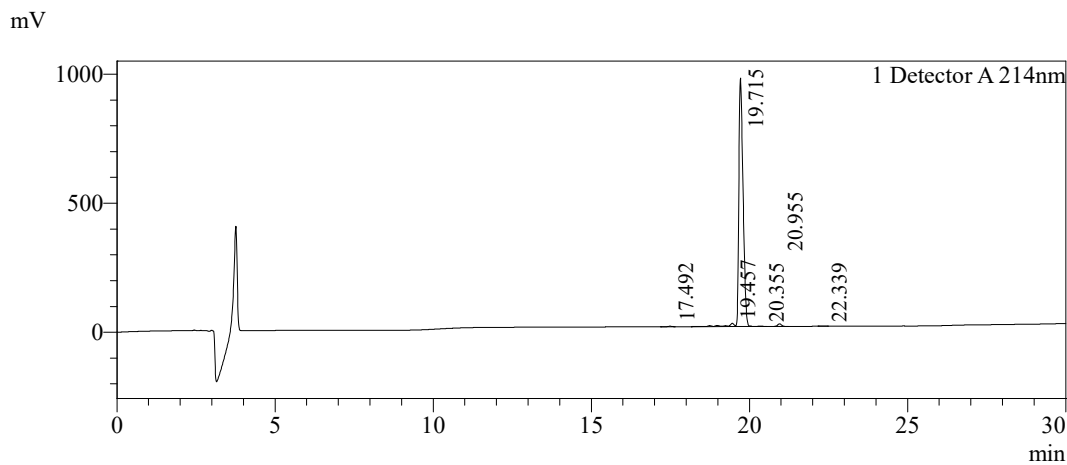


Sample Information

Order ID :MTFA30113-1
 Name :IDR-1018 peptide
 Sequence :VRLIVAVRIWRR-NH2
 Lot. No :MTFA30113-1-0425
 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 :Shim-pack GIST C18(4.6*250mm*5um)
 Dissolution method :100%H2O
 Inj. Volume : 25ul

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

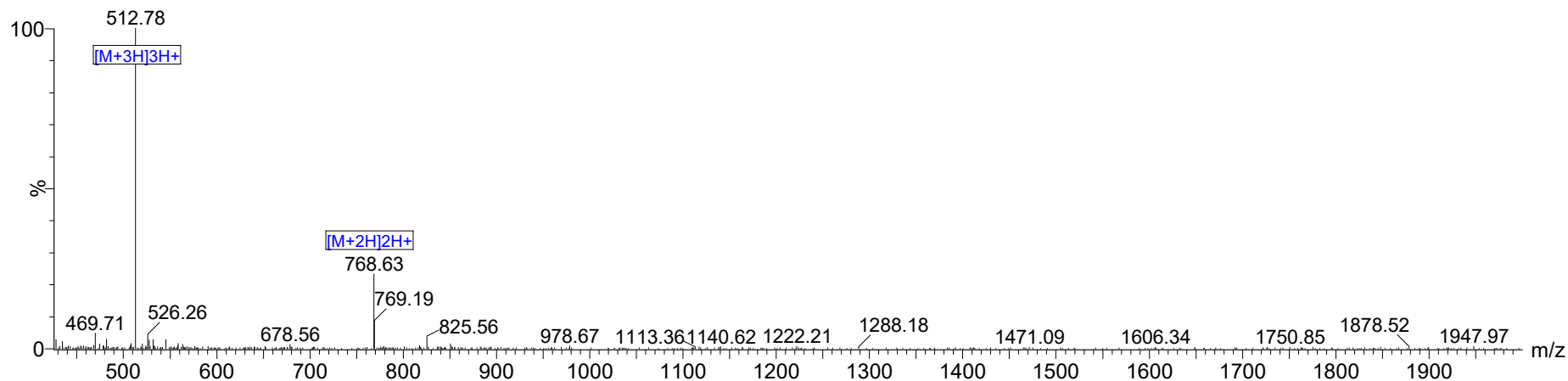


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	17.492	16493	1808	0.180
2	19.457	199683	12022	2.185
3	19.715	8831343	962306	96.624
4	20.355	8939	730	0.098
5	20.955	79941	10082	0.875
6	22.339	3514	431	0.038
Total		9139913	987377	100.000

MS Spectrum

 Positive
 Intensity


Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:5/11/2023 2:34:07	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%H2O/50%MEOH

Order ID	: MTF30113-1
Name	: IDR-1018 peptide
Sequence	: VRLIVAVRIWRR-NH2
Lot.No	: MTF30113-1-0425
Theoretical	: 1535.93
Observed	: 1535.34