

CERTIFICATE OF ANALYSIS

Product Name	P-113 (from histatin 5) peptide, Cat.# 318802 (TFA removed)
Lot No.	MTFA30119-2-0504
Sequence	AKRHHGYKRKFH-NH2
Dissolution condition	100%H2O
Length	12AA
Modification	acetate salt
Molecular Weight (MW)	1563.82
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1563.51	Conforms
Purity by HPLC	>95%	98.822%
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

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/24/2023

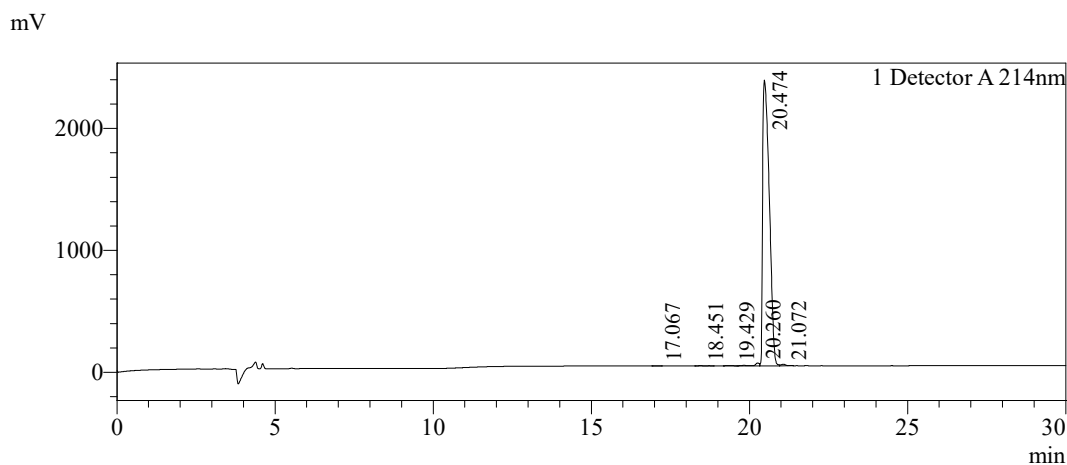


Sample Information

Order ID :MTFA30119-2
 Name :P-113 peptide
 Sequence :AKRHHGYKRRKFH-NH₂(Acetate Salt)
 Lot. No :MTFA30119-2-0504
 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	5
30.00	Pumps	B.Conc	35
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	5
50.00	Controller	Stop	

Chromatogram

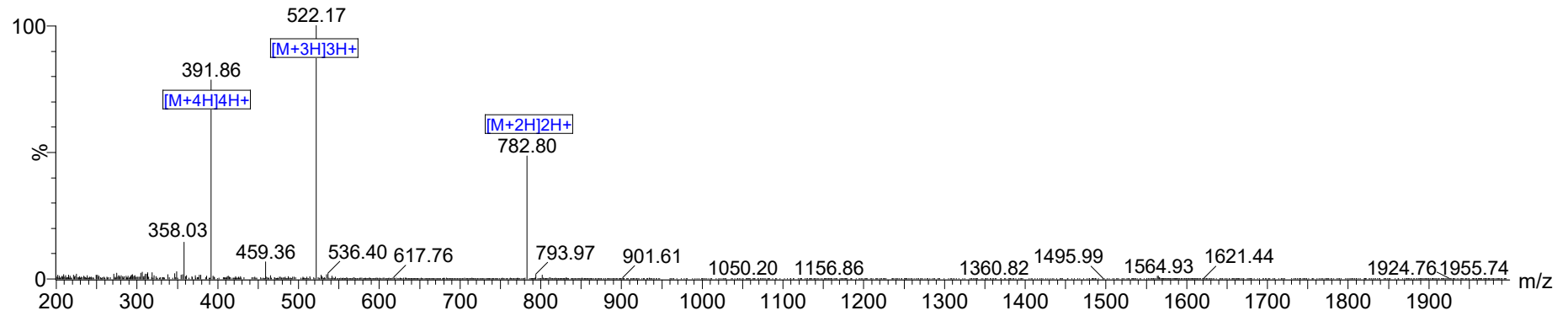


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	17.067	7347	1007	0.021
2	18.451	21775	1837	0.063
3	19.429	28044	2376	0.081
4	20.260	225933	23847	0.653
5	20.474	34194516	2343188	98.822
6	21.072	124452	12534	0.360
Total		34602067	2384789	100.000

MS Spectrum

 Positive
Intensity


Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:5/22/2023 3:07:07	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%H ₂ O/50%MEOH

Order ID	: MTF A30119-2
Name	: P-113 peptide
Sequence	: AKRHHGYKRKFH-NH ₂ (Acetate Salt)
Lot.No	: MTF A30119-2-0504
Theoretical	: 1563.82
Observed	: 1563.51