

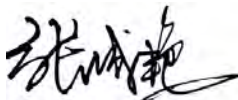
**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Astacidin 1(Cat.#315253)
<b>Lot No.</b>	GTA33984-0207
<b>Sequence</b>	FKVQNHGQVVKIFHH
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	16AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	1946.27
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	1946.55	Conforms
<b>Purity by HPLC</b>	>95%	95.035%
<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>	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/16/2022

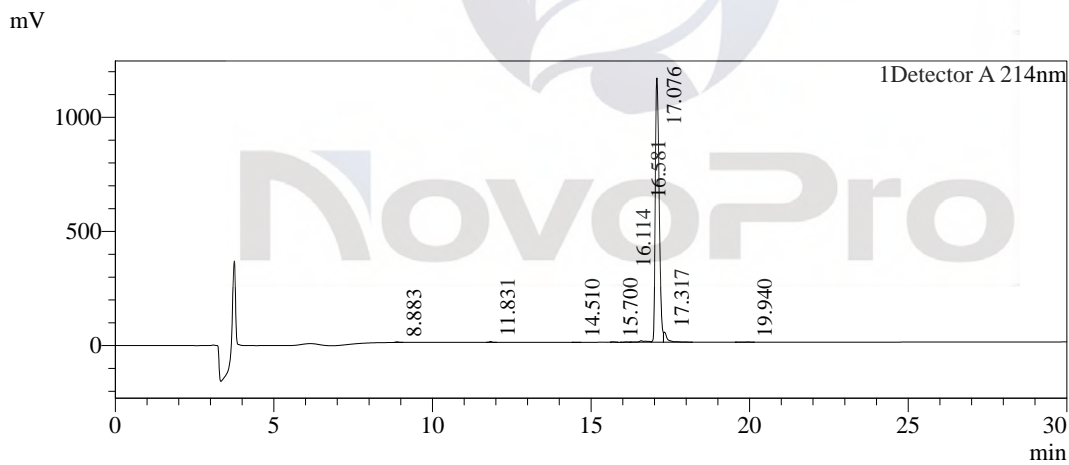


Sample Information

Order ID :GTA33984  
 Name :Astacidin 1 peptide  
 Sequence :FKVQNQHGGQVVKIFHH  
 Lot. No :GTA33984-0207  
 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 :YMC-Triart C18(4.6\*250mm\*5um)  
 Dissolution method :100% H2O  
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	10
30.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

Chromatogram



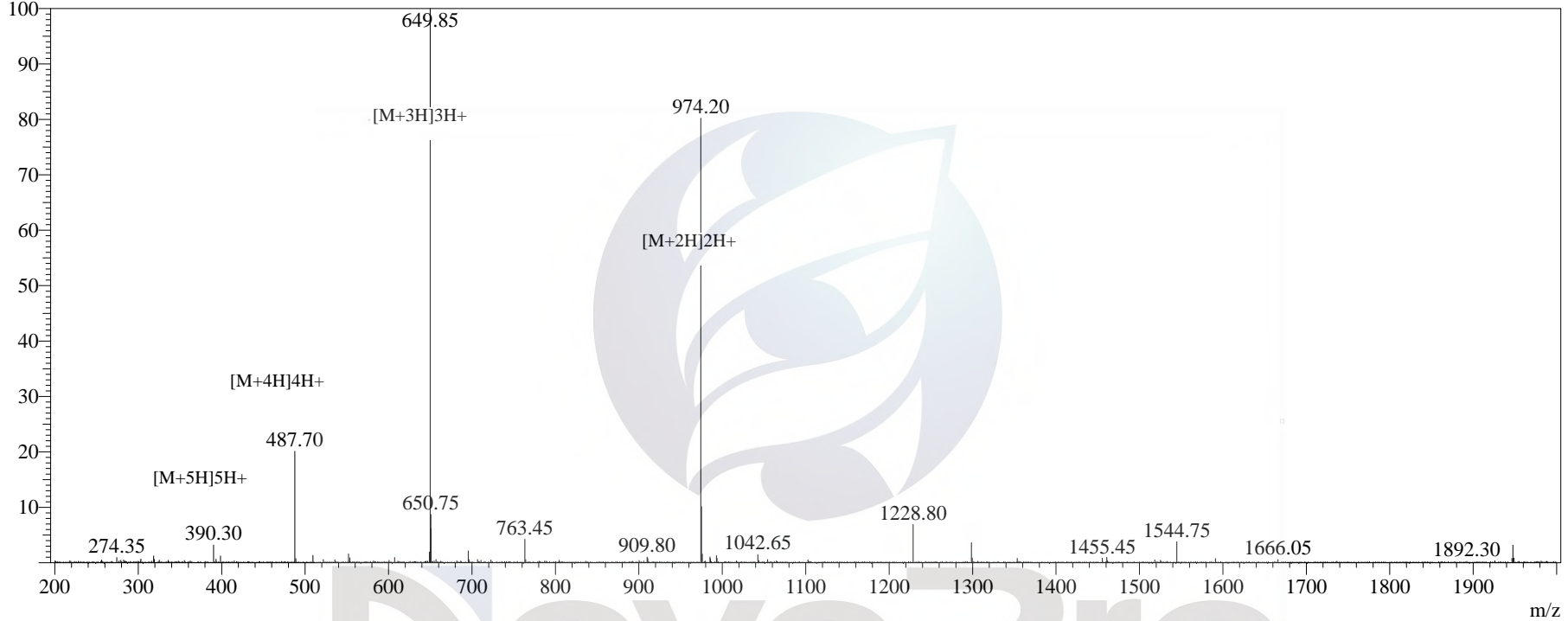
Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	8.883	19483	2682	0.188
2	11.831	22492	3726	0.216
3	14.510	3117	536	0.030
4	15.700	10772	1817	0.104
5	16.114	10456	1262	0.101
6	16.581	101647	6199	0.978
7	17.076	9873334	1157597	95.035
8	17.317	339232	43652	3.265
9	19.940	8641	876	0.083
Total		10389174	1218346	100.000

MS Spectrum

Positive Intensity



Sample Information

Dissolution method :5% HAC+8% ACN+87% H2O  
Date Acquired :2022/02/16 10:05:18  
Injection Volume :0.2ul  
Block Temp :200

Interface :ESI  
Nebulizing Gas Flow :1.50L/min  
CDL Temp :250C  
CDL Volt :0v

Prerod Bias :+4.5kv  
Detector :-.0.2kv  
T.Flow :0.2ml/min  
B.conc :50% H2O/50% MEOH

Order ID :GTA33984  
Name :Astacidin 1 peptide  
Sequence :FKVQNQHGVVVKIFHH  
Lot.No :GTA33984-0207  
Theoretical :1946.27  
Observed :1946.55