

CERTIFICATE OF ANALYSIS

Product Name	Apelin-17 Cat.#: 313845
Lot No.	MTFA30796-1211
Sequence	KFRRQRPRLSHKGMPF
Dissolution condition	100%H2O
Length	17AA
Modification	N/A
Molecular Weight (MW)	2138.54
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2138.08	Conforms
Purity by HPLC	>95%	98.516%
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

Dec/12/2023

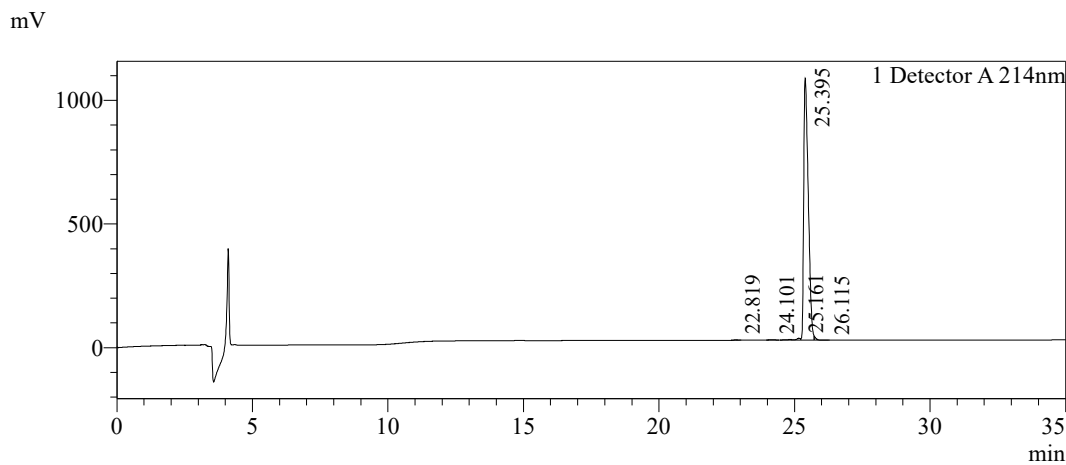


Sample Information

Order ID :MTFA30796
 Name :Apelin-17
 Sequence :KFRRQRPRLSHKGPM PF
 Lot. No :MTFA30796-1211
 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	10
35.00	Pumps	B.Conc	45
35.10	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

Chromatogram

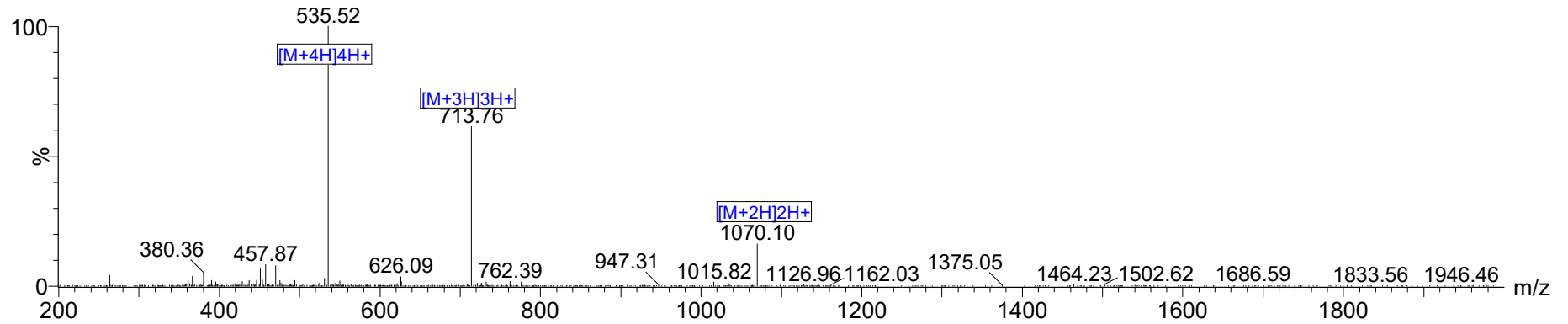


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	22.819	16836	2078	0.134
2	24.101	7219	498	0.058
3	25.161	96812	7257	0.771
4	25.395	12362445	1058350	98.516
5	26.115	65390	539	0.521
Total		12548702	1068722	100.000

MS Spectrum

 Positive
 Intensity


Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:5/25/2023 6:29:27	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 A30796
Name	: Apelin-17
Sequence	: KFRRQRPRLSHKGPM PF
Lot.No	: MTF A30796-1211
Theoretical	: 2138.54
Observed	: 2138.08