

## CERTIFICATE OF ANALYSIS

Product Name	Short neuropeptide F, Cat.#: 317818
Lot No.	MTFA30109-3-0425
Sequence	SDPHLSILSKPMSAIPSYKFDD
Dissolution condition	100%H <sub>2</sub> O
Length	22AA
Modification	N/A
Molecular Weight (MW)	2448.72
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2448.18	Conforms
Purity by HPLC	>95%	98.944%
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

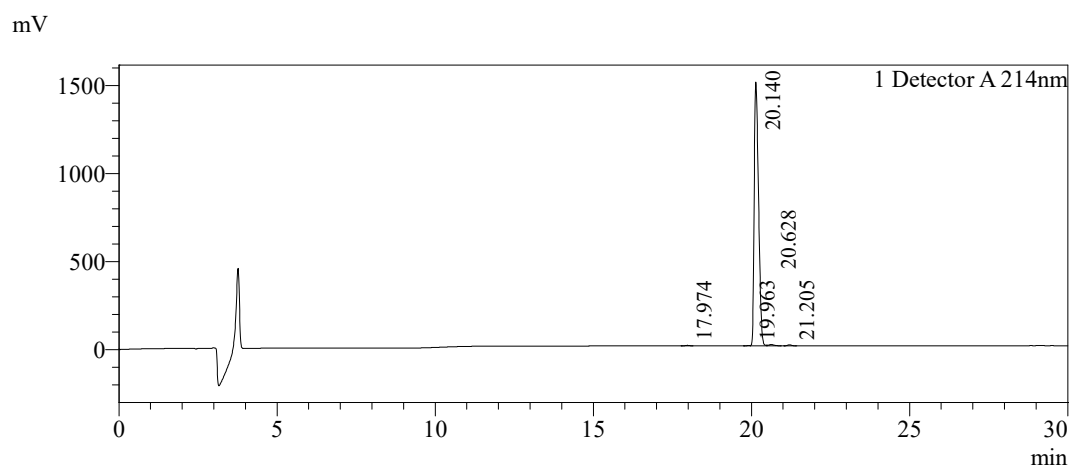
Apr/29/2023



### Sample Information

Order ID :MTFA30109-3  
 Name :Short neuropeptide F  
 Sequence :SDPHLSILSKPMSAIPSYKFDD  
 Lot. No :MTFA30109-3-0425  
 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%H<sub>2</sub>O  
 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



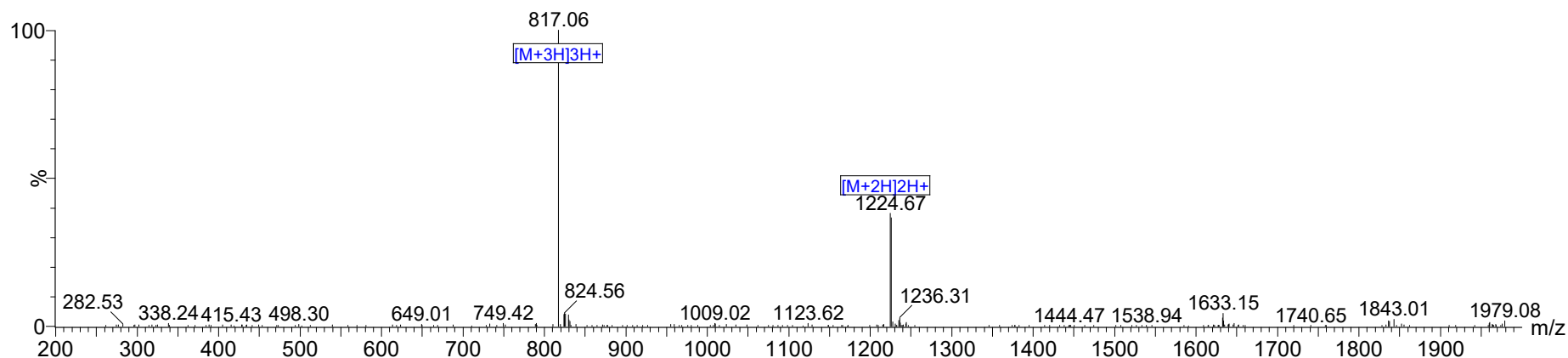
### Peak Table

#### Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	17.974	23622	2749	0.162
2	19.963	7161	1484	0.049
3	20.140	14416912	1497711	98.944
4	20.628	78771	7416	0.541
5	21.205	44314	5596	0.304
Total		14570780	1514957	100.000

# MS Spectrum

Positive  
Intensity



Dissolution method	:15%ACN+85%H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:4/28/2023 10:19:18	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 <sub>2</sub> O/50%MEOH
Order ID	: MTF30109-3				
Name	: Short neuropeptide F				
Sequence	: SDPHLSILSKPMSAIPSYKFDD				
Lot.No	: MTF30109-3-0425				
Theoretical	: 2448.72				
Observed	: 2448.18				