

## CERTIFICATE OF ANALYSIS

Product Name	Dermorphin 1 peptide, Cat.#: 307372 (TFA removed)
Lot No.	MTFA32674-0407
Sequence	YaFGYPK-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	7AA
Modification	a=D-Ala; acetate salt
Molecular Weight (MW)	843.96
Storage	-20°C

Test Items	Specifications	Results
MW by MS	844.00	Conforms
Purity by HPLC	>95%	99.954%
TFA 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:



Apr/18/2025

Quality Assurance Department

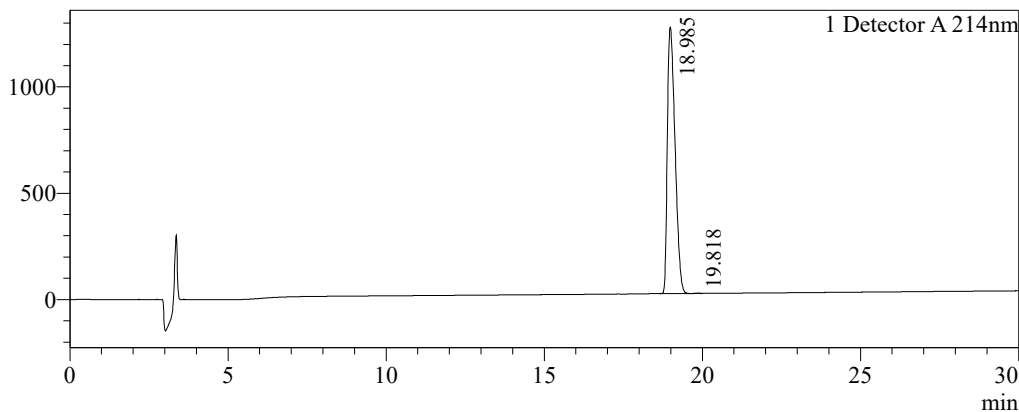


## Sample Information

Order ID	:MTFA32674		
Name	:Dermorphin 1 peptide		
Sequence	:YaFGYPK-NH <sub>2</sub> (Acetate Salt)		
Lot. No	:MTFA32674-0407		
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	:Kromasil 100-5-C18 (4.6*250mm*5 μm)		
Dissolution method	:100%H <sub>2</sub> O		
Inj. Volume	: 15ul		
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

mV

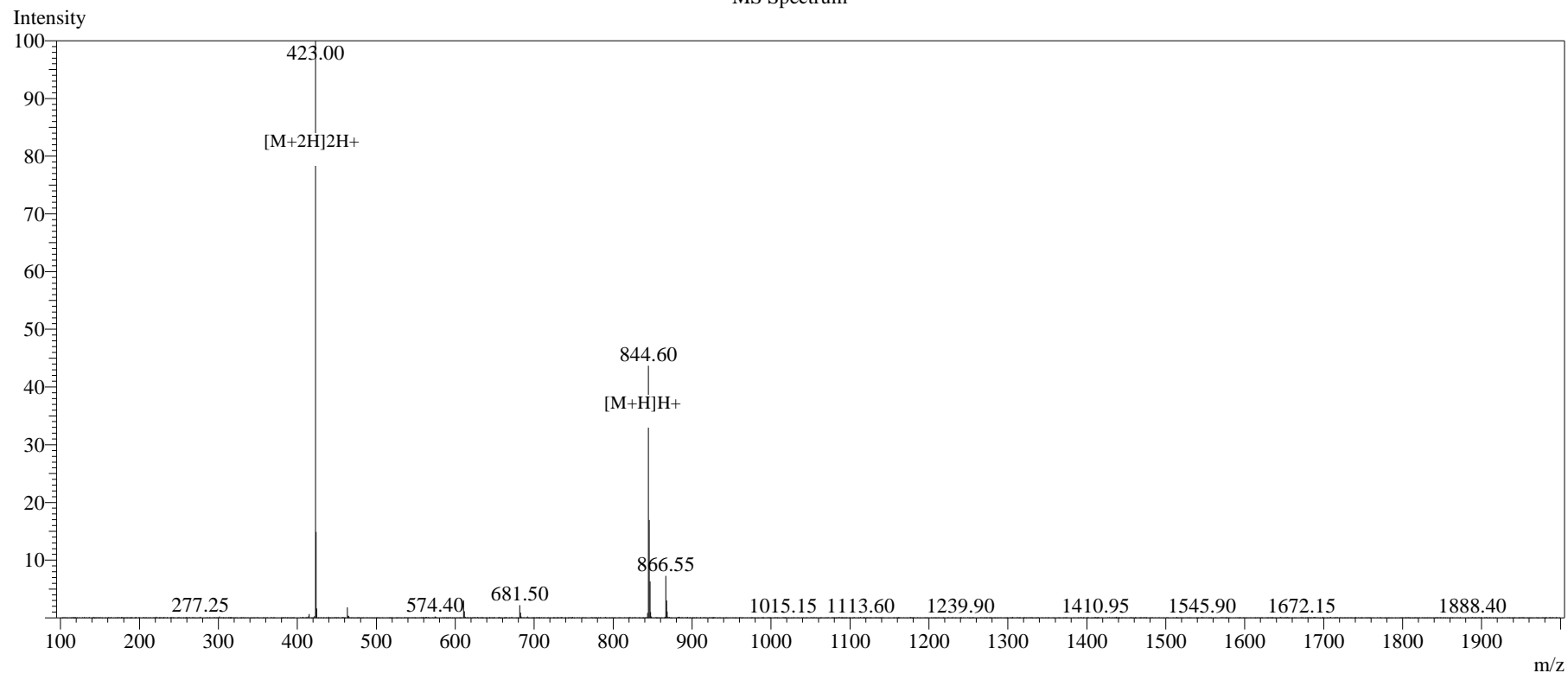


## Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	18.985	21195691	1252265	99.954
2	19.818	9653	1450	0.046
Total		21205344	1253715	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/04/16 10:32:21	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H <sub>2</sub> O/50% ME OH

Order ID	:MTFA32674
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Lot.No	:MTFA32674-0407
Theoretical	:843.96
Observed	:844.00