

CERTIFICATE OF ANALYSIS

Product Name	Dynorphin A (1-8) peptide, Cat.#: 313347
Lot No.	MTFB20924-03-260607
Sequence	YGGFLRRI
Dissolution condition	100%H ₂ O
Modification	N/A
Molecular Weight (MW)	981.16
Storage	-20°C

Test Items	Specifications	Results
MW by MS	981.30	Conforms
Purity by HPLC	>95%	99.155%
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	20.0mg	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

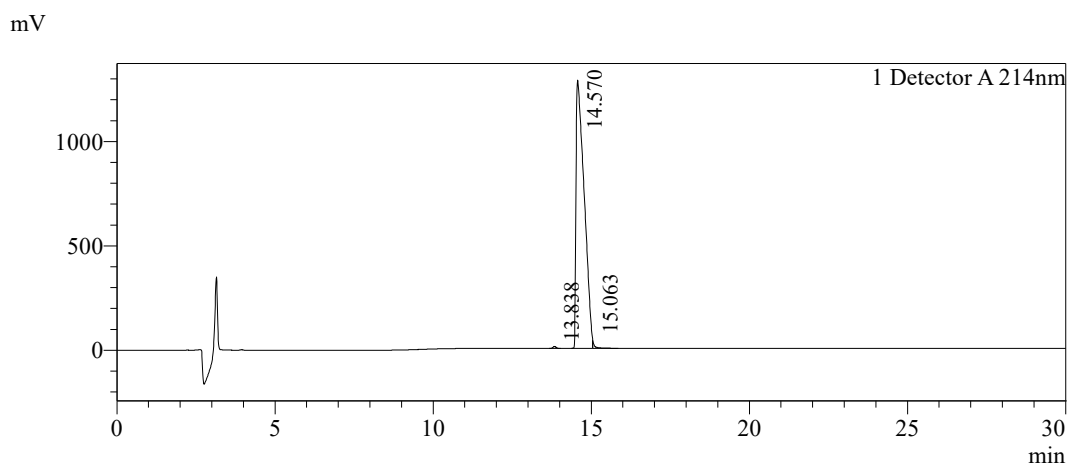
Jul/22/2026



Sample Information

Order ID	:MTFB20924-03		
Name	:Dynorphin A (1-8) peptide, Cat.#: 313347		
Sequence	:YGGFLRRI		
Lot. No	:MTFB20924-03-260607		
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%H2O		
Inj. Volume	: 15ul		
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

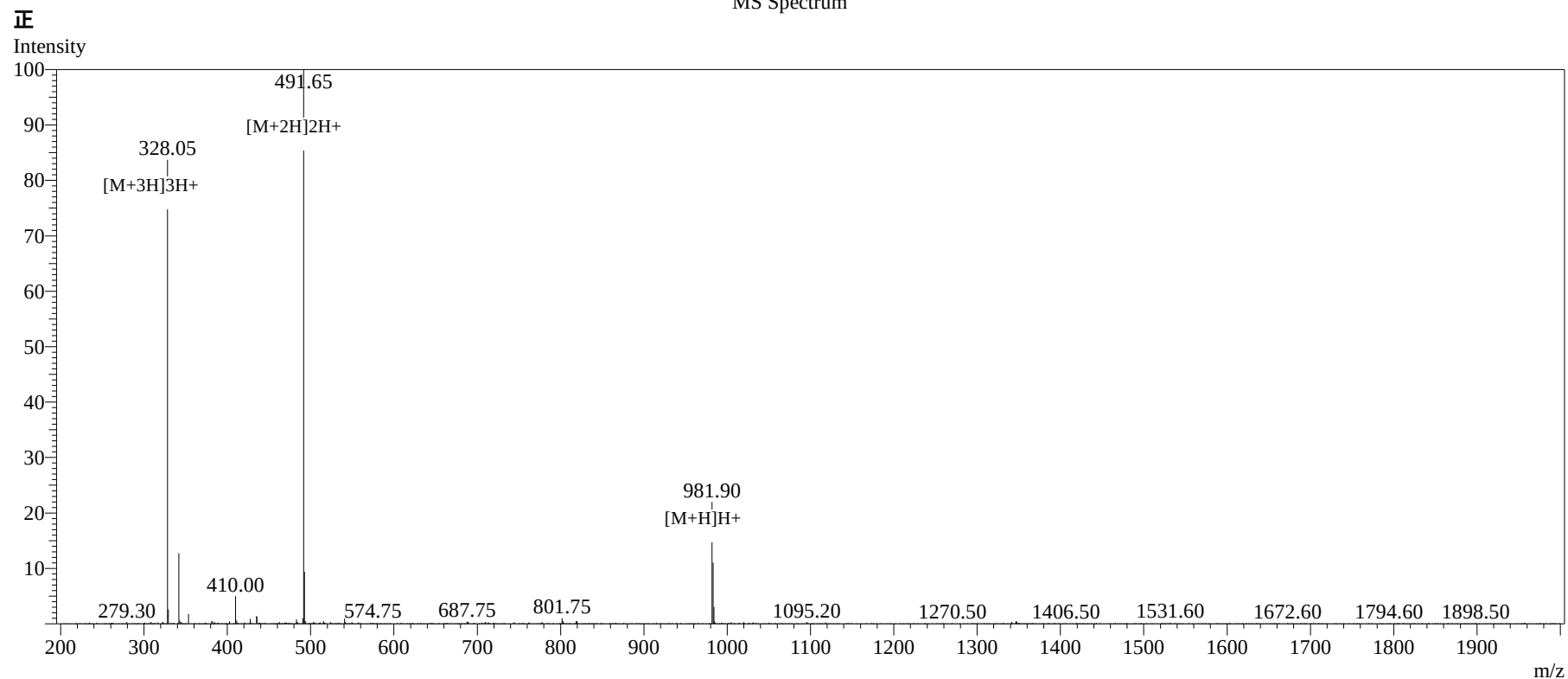


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.838	63204	9014	0.271
2	14.570	23154599	1283132	99.155
3	15.063	134005	30915	0.574
Total		23351808	1323061	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/07/20 13:43:44	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 ₂ O/50%MEOH

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Theoretical	:981.16
Observed	:981.30