For Enjoyable Discovery

CERTIFICATE OF ANALYSIS

Product Name	Human Defensin-5 (1-9) peptide,Cat.#: 318760 (TFA removed)
Lot No.	MTFB21246-261021
Sequence	ATCYCRTGR-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Modification	Acetate salt
Molecular Weight (MW)	1029.19
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1028.60	Conforms
Purity by HPLC	>95%	95.048%
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	40.0mg	5.0mg*8

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

Nov/04/2026

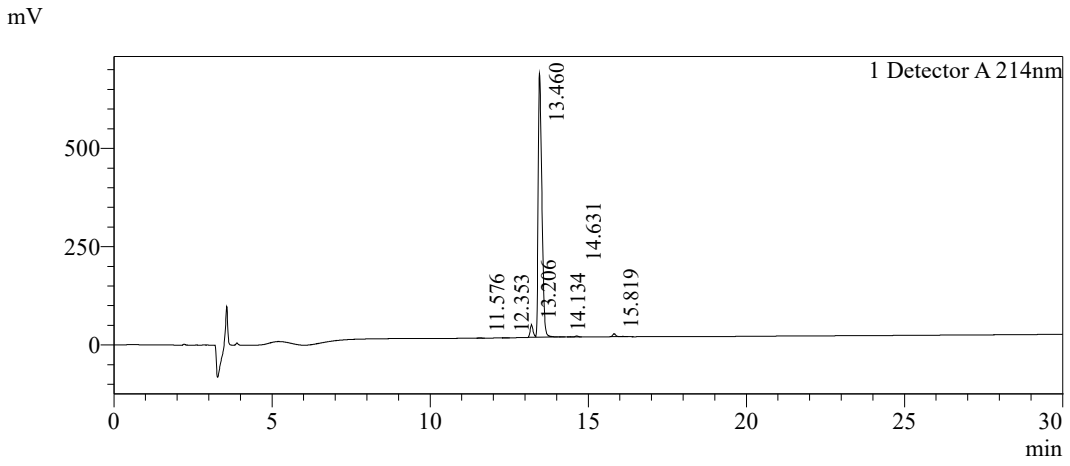
NovoPro Biosciences Inc. VERIFIED Quality Control

Sample Information

Order ID	:MTFB21246
Name	:Human Defensin-5 (1-9) peptide,Cat.#: 318760 (TFA removed)
Sequence	:ATCYCRTGR-NH2 (Acetate Salt)
Lot. No	:MTFB21246-261021
Pump A	:0.1%Trifluoroacetic in 100% water
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile
Total Flow	:1ml/min
Wavelength	:214nm
Analytial 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	5
30.00	Pumps	B.Conc	35
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	5
50.00	Controller	Stop	

Chromatogram

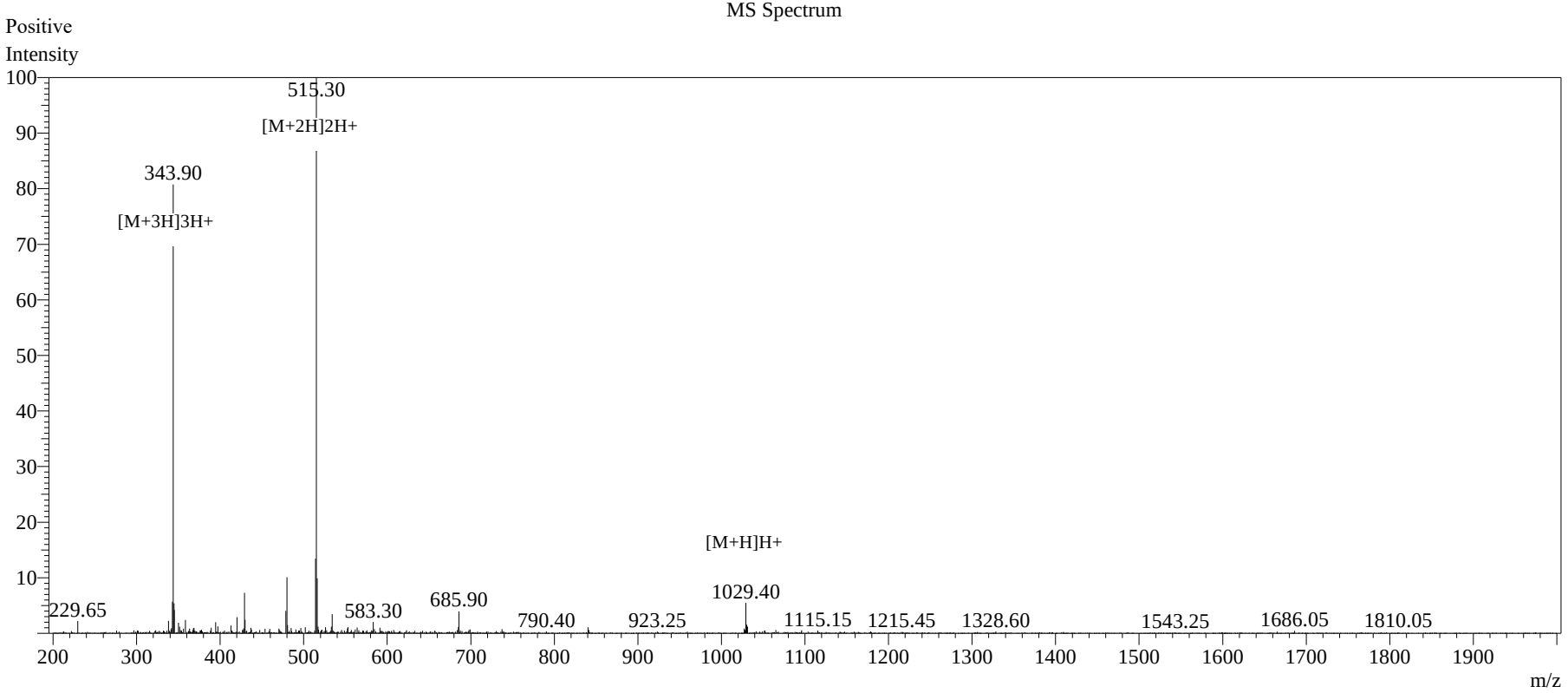


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.576	4515	707	0.078
2	12.353	1958	297	0.034
3	13.206	201429	31395	3.488
4	13.460	5488409	670537	95.048
5	14.134	341	83	0.006
6	14.631	20501	2536	0.355
7	15.819	57203	7500	0.991
Total		5774356	713056	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/11/02 10:01:42	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250℃	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H2O/50%MEOH

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Lot.No	:MTFB21246-261021
Theoretical	:1029.19
Observed	:1028.60