

CERTIFICATE OF ANALYSIS

Product Name	Dermaseptin-S1 peptide, Cat.#: 313474
Lot No.	MTFA32513-0228
Sequence	ALWKTMLKKLGTMALHAGKAALGAAADTISQGTQ
Dissolution condition	100%H ₂ O
Length	34AA
Modification	N/A
Molecular Weight (MW)	3455.04
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3455.75	Conforms
Purity by HPLC	>95%	95.034%
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:



Mar/27/2025

Quality Assurance Department



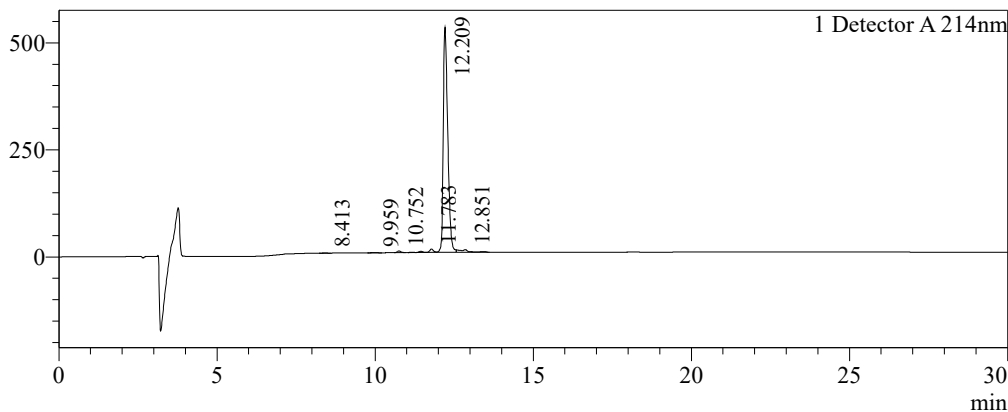
Sample Information

Order ID :MTFA32513
 Name :Dermaseptin-S1 peptide
 Sequence :ALWKTMLKKLGTMLHAGKAALGAAADTISQGTQ
 Lot. No :MTFA32513-0228
 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 : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	35
30.00	Pumps	B.Conc	65
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	35
50.00	Controller	Stop	

Chromatogram

mV

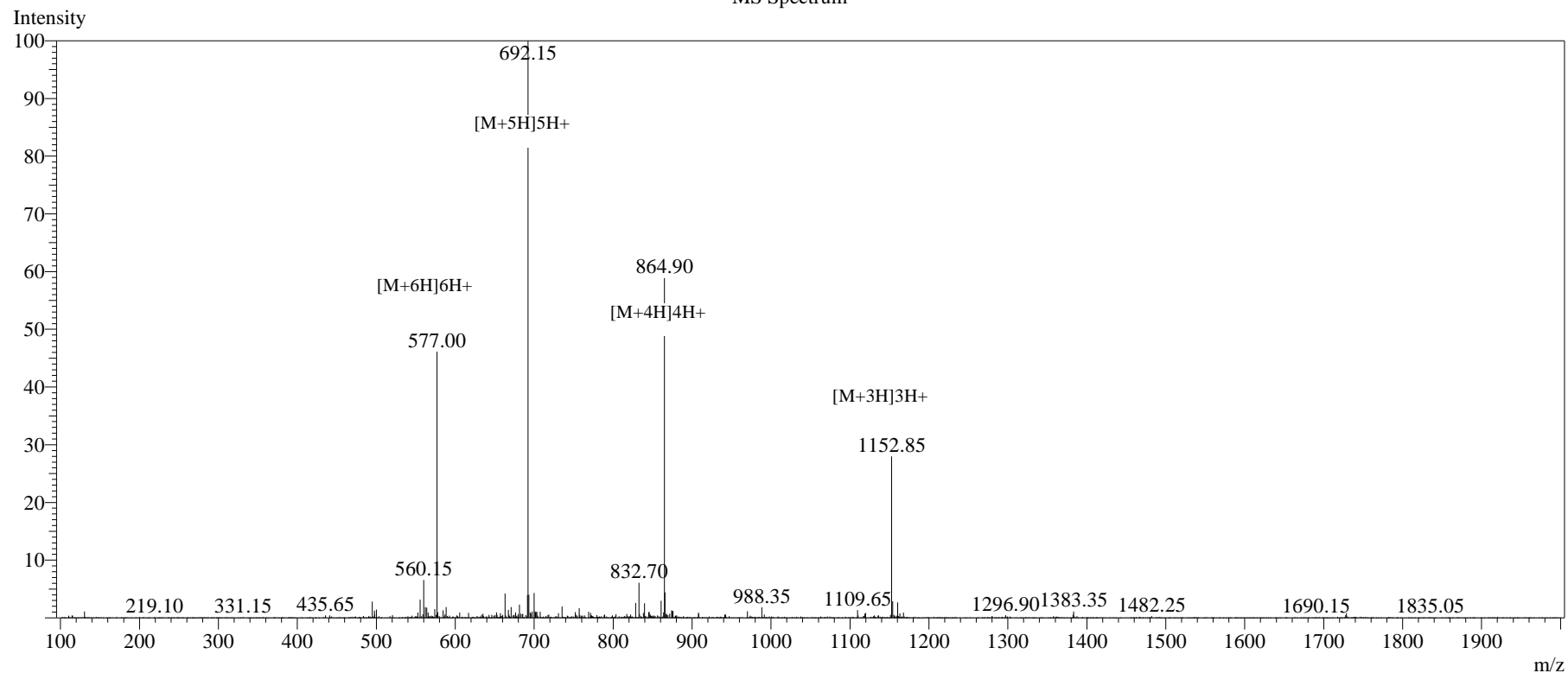


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	8.413	4754	658	0.087
2	9.959	3578	326	0.065
3	10.752	29485	3802	0.537
4	11.783	90196	8142	1.642
5	12.209	5218945	525573	95.034
6	12.851	144728	6383	2.635
Total		5491685	544886	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/03/25 11:08:24	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% H2O/50% MEOH

Order ID	:MTFA32513
Name	:Dermaseptin-S1 peptide
Sequence	:ALWKTMLKKLGTMALHAGKAALGAAADTISQGTQ
Lot.No	:MTFA32513-0228
Theoretical	:3455.04
Observed	:3455.75