

CERTIFICATE OF ANALYSIS

Product Name	Penetratin peptide, Cat.#: 318899
Lot No.	MTFA33192-250814
Sequence	RQIKIWFQNRRMKWKK
Dissolution condition	100%H ₂ O
Modification	N/A
Molecular Weight (MW)	2246.76
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2247.00	Conforms
Purity by HPLC	>95%	97.211%
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:



Aug/19/2025

Quality Assurance Department

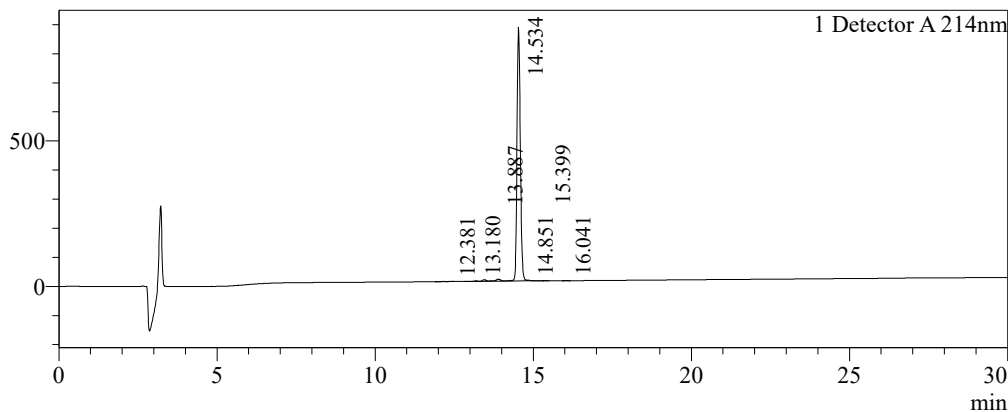


Sample Information

Order ID	:MTFA33192		
Name	:Penetratin peptide		
Sequence	:RQIKIWFQNRRMKWKK		
Lot. No	:MTFA33192-250814		
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	: 10ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	15
30.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

Chromatogram

mV

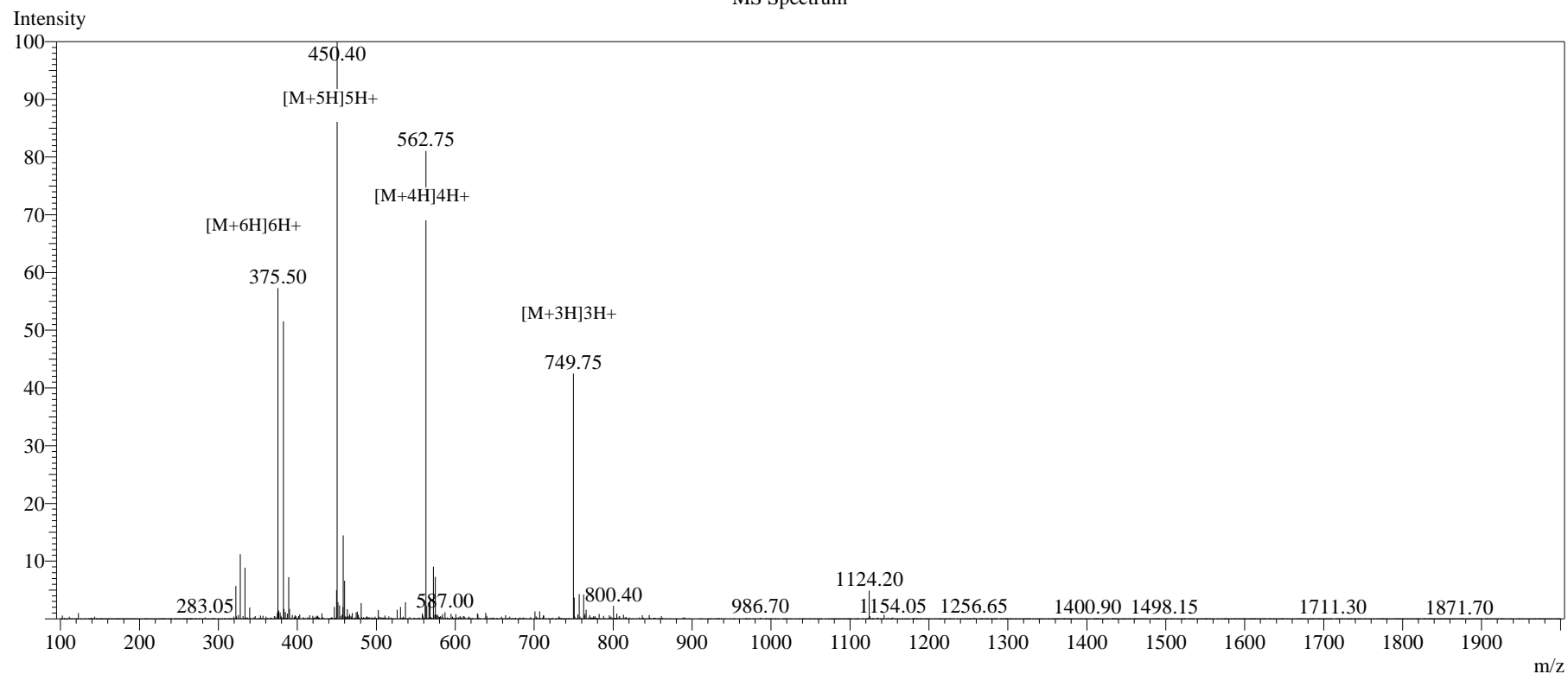


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.381	5159	205	0.079
2	13.180	10686	1359	0.163
3	13.887	136171	6702	2.075
4	14.534	6378960	871965	97.211
5	14.851	24996	2385	0.381
6	15.399	3153	566	0.048
7	16.041	2851	446	0.043
Total		6561977	883627	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/08/18 17:17:52	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% ME OH
Order ID	:MTFA33192				
Name	:Penetratin peptide				
Sequence	:RQIKIWFQNRRMKWKK				
Lot.No	:MTFA33192-250814				
Theoretical	:2246.76				
Observed	:2247.00				