


CERTIFICATE OF ANALYSIS

Product Name	penetratin (pAntp(43-58)), Cat.#: 318899
Lot No.	MTFA31849-3-0918
Sequence	RQIKIWFQNRRMKWKK
Dissolution condition	100%H ₂ O
Length	16AA
Modification	N/A
Molecular Weight (MW)	2246.76
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2246.75	Conforms
Purity by HPLC	>95%	95.152%
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	5mg	5.0mg

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

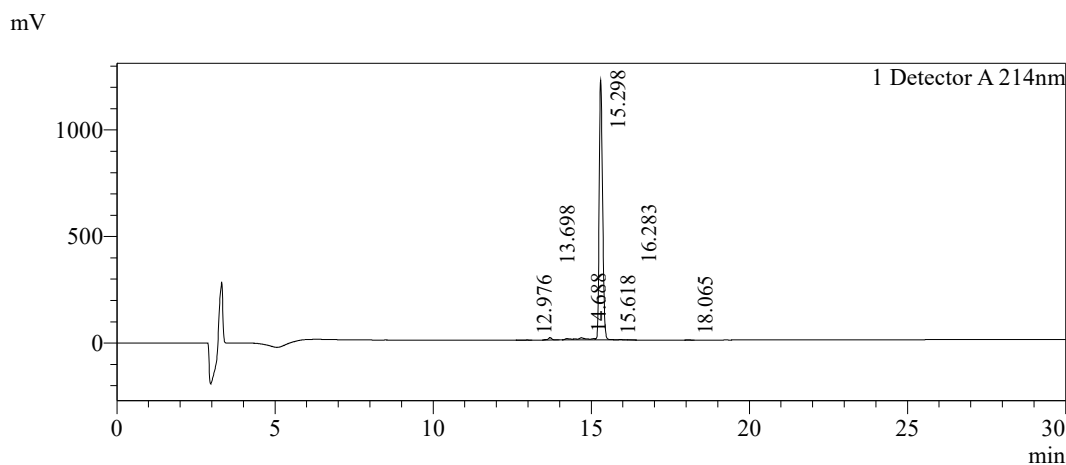
Sep/20/2024



Sample Information

Order ID :MTFA31849-3
 Name :penetratin (pAntp(43-58))
 Sequence :RQIKIWFQNRRMKWKK
 Lot. No :MTFA31849-3-0918
 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

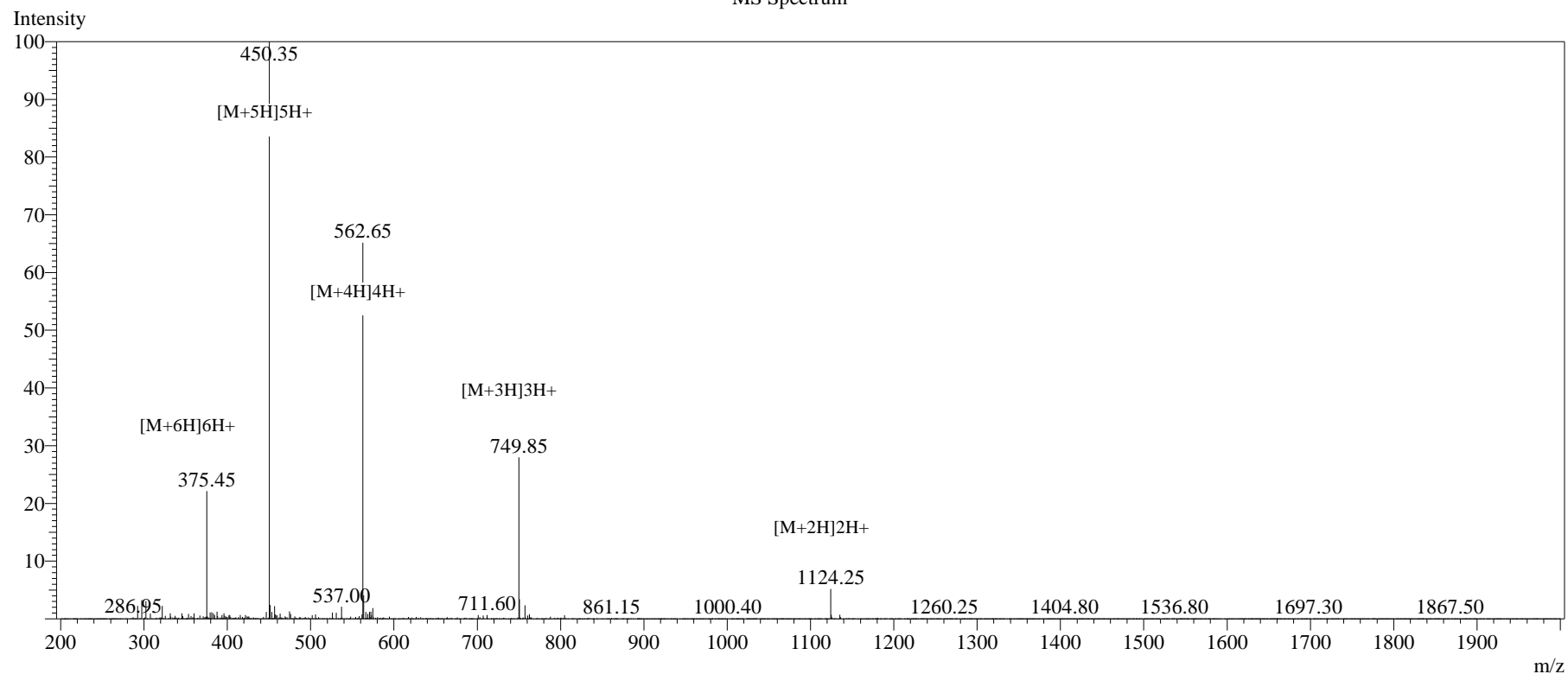


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.976	5575	404	0.058
2	13.698	92496	11119	0.968
3	14.688	320123	10188	3.349
4	15.298	9095048	1218347	95.152
5	15.618	30221	2309	0.316
6	16.283	10512	1261	0.110
7	18.065	4490	612	0.047
Total		9558466	1244239	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/09/19 13:19:01	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	:MTFA31849-3				
Name	:penetratin (pAntp(43-58))				
Sequence	:RQIKIWFQNRRMKWKK				
Lot.No	:MTFA31849-3-0918				
Theoretical	:2246.76				
Observed	:2246.75				