

CERTIFICATE OF ANALYSIS

Product Name	Vasoactive intestinal peptide Cat.#: 308189 (TFA removed)
Lot No.	MTFA30869-0102
Sequence	HSDAVFTDNYSRFRKQMAVKKYLNSVLT-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	28AA
Modification	Acetate Salts
Molecular Weight (MW)	3318.74
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3318.80	Conforms
Purity by HPLC	>95%	95.043%
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	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:



Quality Assurance Department

Jan/17/2024

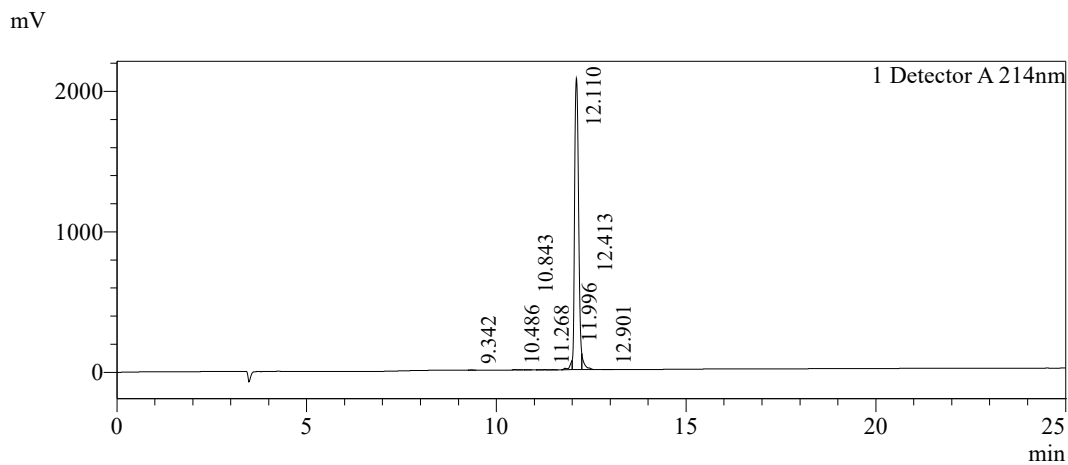


Sample Information

Order ID :MTFA30869
 Name :Vasoactive intestinal peptide
 Sequence :HSDAVFTDNYSRFRKQMAVKKYLNSVLT-NH2 (Acetate Salt)
 Lot. No :MTFA30869-0102
 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 :Phenomenex Luna® 5 µm C18(2) (4.6*250mm*5 µm)
 Dissolution method :100%H2O
 Inj. Volume : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
25.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

Chromatogram

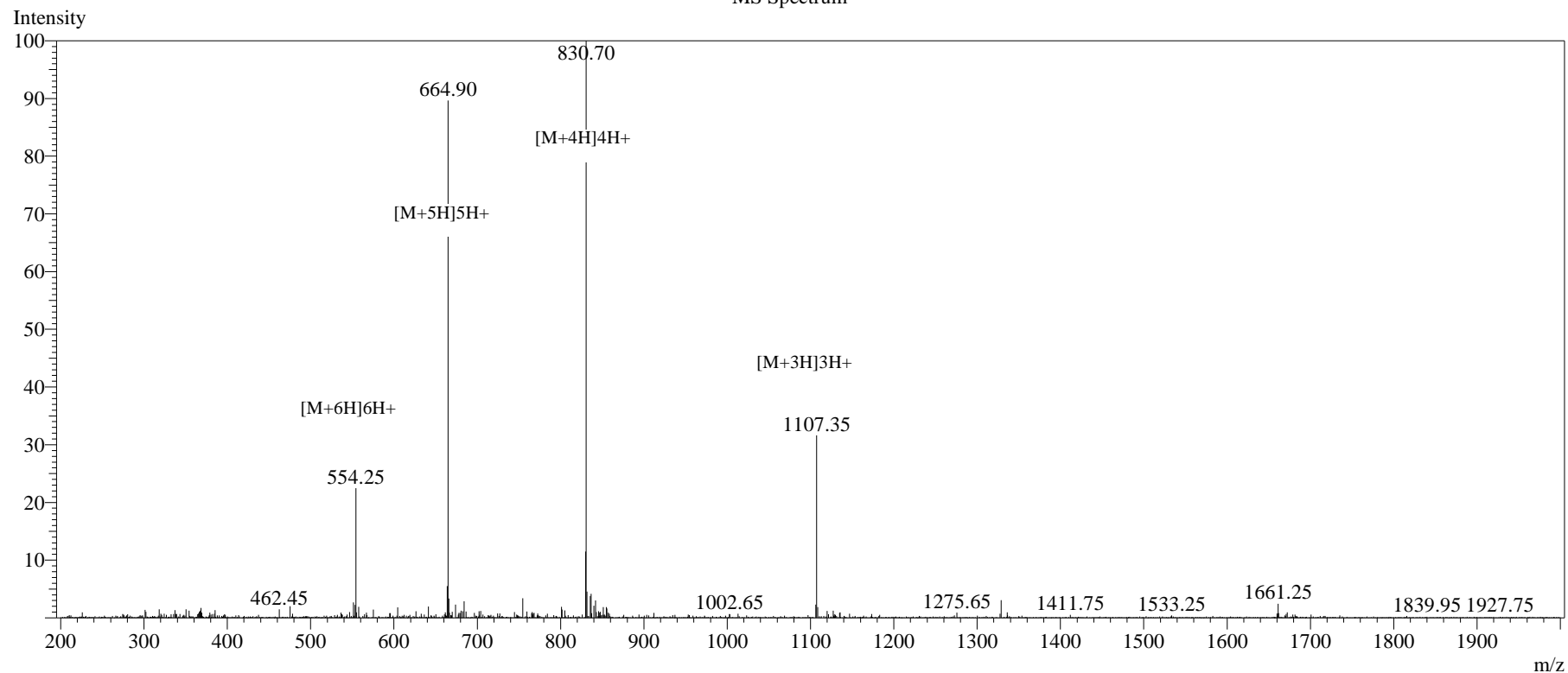


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.342	5625	1202	0.036
2	10.486	20489	2635	0.130
3	10.843	5150	963	0.033
4	11.268	17371	1463	0.111
5	11.996	298494	61783	1.901
6	12.110	14926418	2073510	95.043
7	12.413	428578	11937	2.729
8	12.901	2716	392	0.017
Total		15704843	2153886	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/01/16 15:54:13	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

Order ID	:MTFA30869
Name	:Vasoactive intestinal peptide
Sequence	:HSDAVFTDNYSRFRKQMAVKKYLNSVLT-NH ₂ (Acetate Salt)
Lot.No	:MTFA30869-0102
Theoretical	:3318.74
Observed	:3318.80