
CERTIFICATE OF ANALYSIS

Product Name	PT-141 (Bremelanotide) peptide (Cat.#300002)
Lot No.	MTFA30577-1009
Sequence	Ac-Nle-cyclo(Asp-His-D-Phe-Arg-Trp-Lys-OH) (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	7AA
Modification	Acetate Salts
Molecular Weight (MW)	1025.18
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1025.10	Conforms
Purity by HPLC	>95%	99.433%
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	60mg	5.0mg*12

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

Oct/16/2023



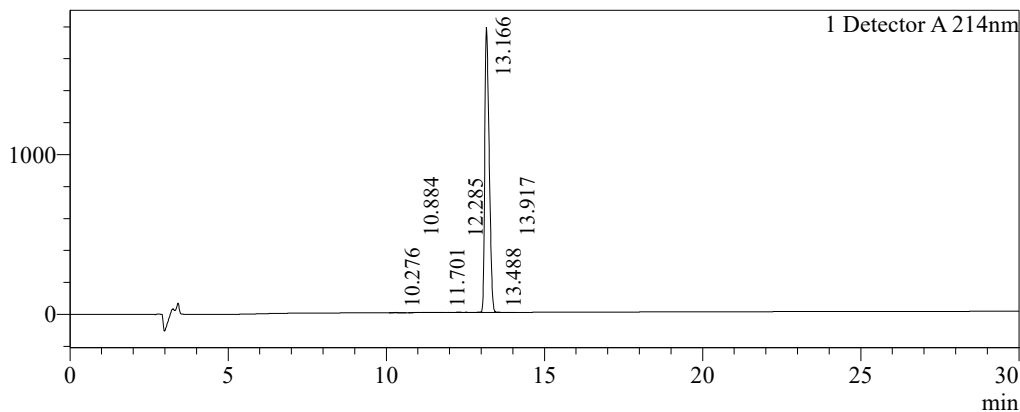
Sample Information

Order ID :MTFA30577
 Name :PT-141
 Sequence :Ac-Nle-cyclo(Asp-His-D-Phe-Arg-Trp-Lys-OH) (Acetate Salt)
 Lot. No :MTFA30577-1009
 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 : 10ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

mV

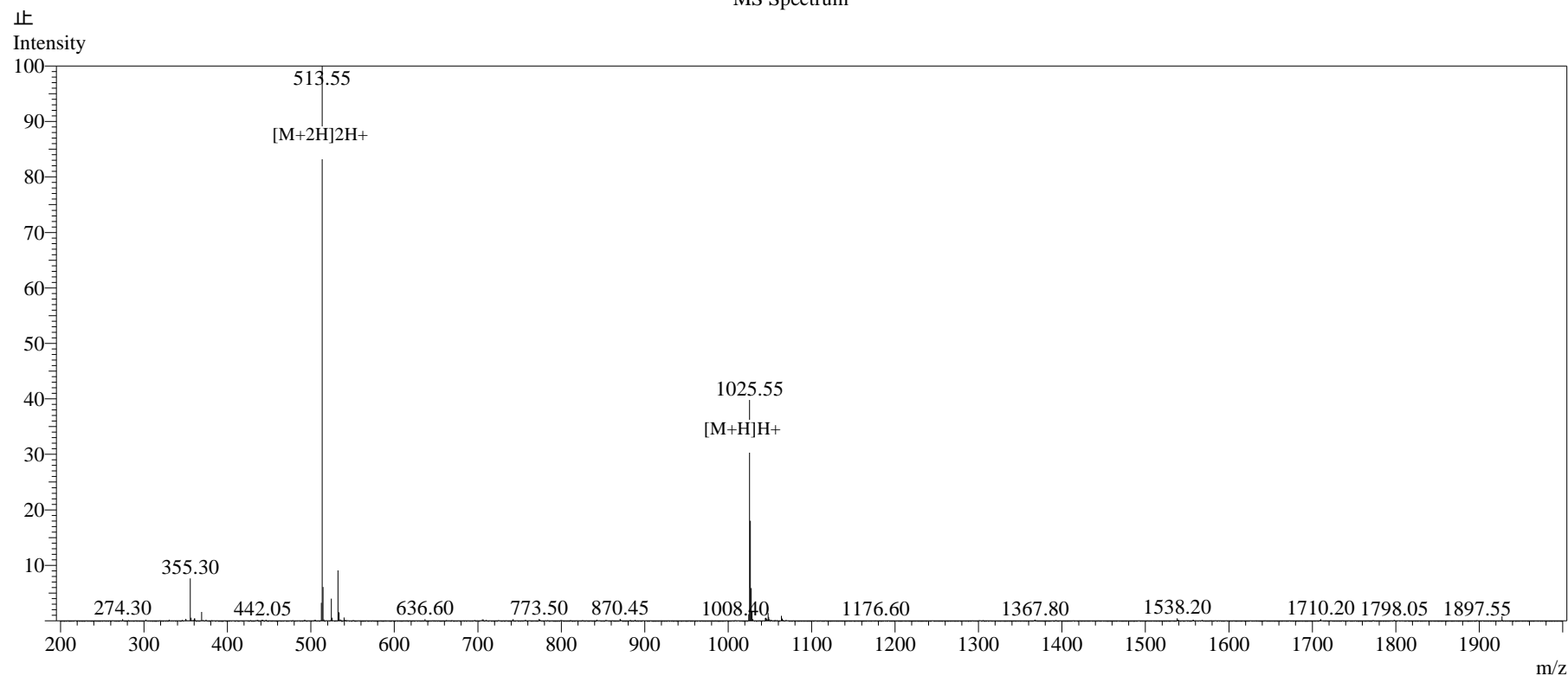


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.276	12641	1045	0.073
2	10.884	1455	150	0.008
3	11.701	24227	1194	0.139
4	12.285	43630	2175	0.251
5	13.166	17280957	1784042	99.433
6	13.488	15372	1449	0.088
7	13.917	1173	149	0.007
Total		17379455	1790203	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/10/13 11:27:12	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	:MTFA30577				
Name	:PT-141				
Sequence	:Ac-Nle-cyclo(Asp-His-D-Phe-Arg-Trp-Lys-OH) (Acetate Salt)				
Lot.No	:MTFA30577-1009				
Theoretical	:1025.18				
Observed	:1025.10				