
CERTIFICATE OF ANALYSIS

Product Name	PD-L1Pep-2 peptide, Cat.#:319026, TFA removed
Lot No.	MTFA30466-0911
Sequence	CVRARTR (Acetate Salt)
Dissolution condition	100%H2O
Length	7AA
Modification	acetate salts
Molecular Weight (MW)	861.02
Storage	-20°C

Test Items	Specifications	Results
MW by MS	860.70	Conforms
Purity by HPLC	>95%	96.962%
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	500mg	20.0mg*25

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/28/2023



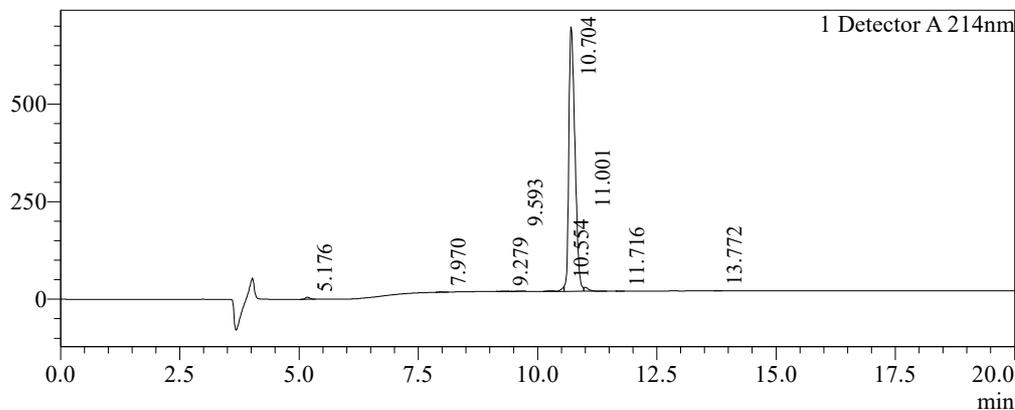
Sample Information

Order ID :MTFA30466
 Name :PD-L1 Pep-2 peptide
 Sequence :CVRARTR (Acetate Salt)
 Lot. No :MTFA30466-0911
 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 : 15ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	5
20.00	Pumps	B.Conc	25
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	5
50.00	Controller	Stop	

Chromatogram

mV

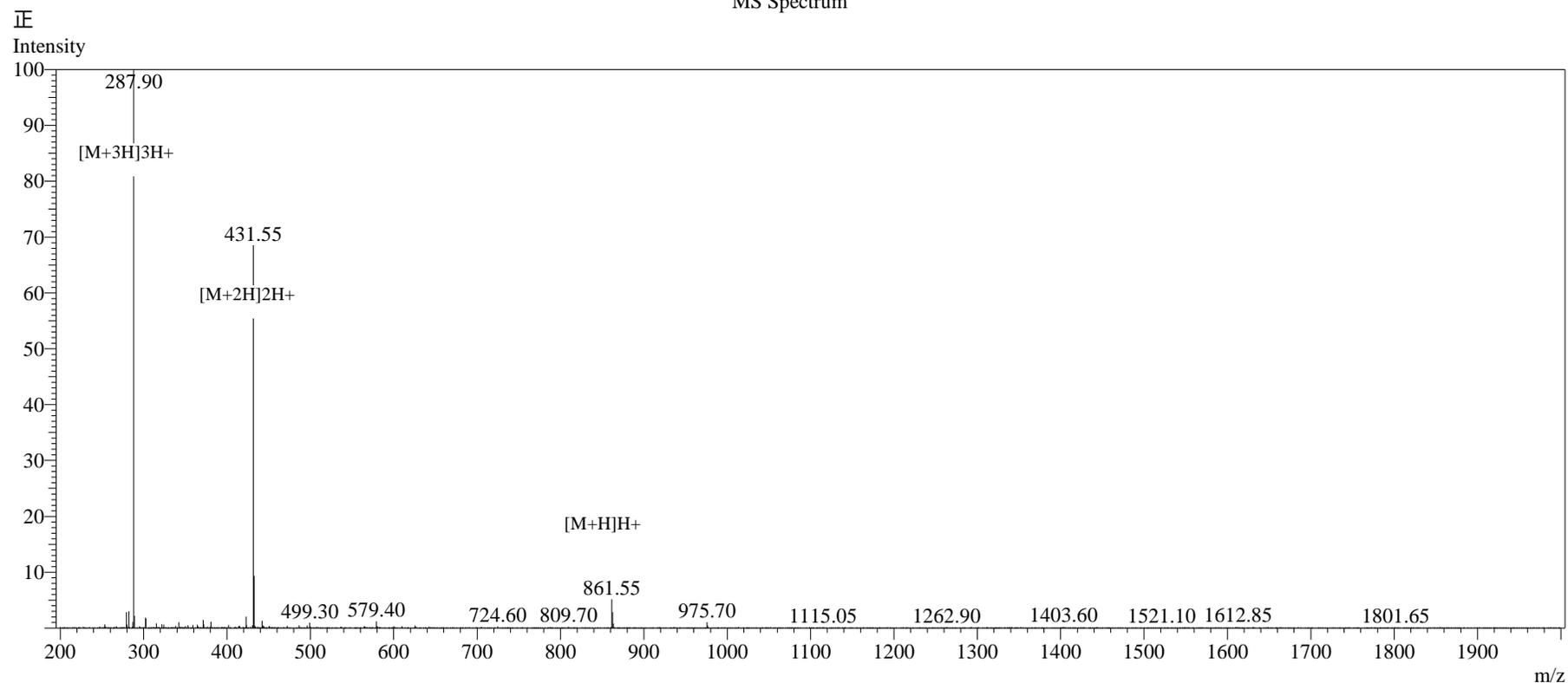


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	5.176	33185	5026	0.532
2	7.970	6534	911	0.105
3	9.279	7954	863	0.127
4	9.593	4278	744	0.069
5	10.554	61738	11535	0.990
6	10.704	6049629	676883	96.962
7	11.001	73049	10239	1.171
8	11.716	1413	256	0.023
9	13.772	1416	290	0.023
Total		6239195	706747	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/09/26 17:26:58	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

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Sequence	:CVRARTR(Acetate Salt)
Lot.No	:MTFA30466-0911
Theoretical	:861.02
Observed	:860.70