

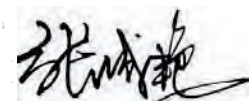
CERTIFICATE OF ANALYSIS

Product Name	Y-2, a CTLA-4/B7 inhibition peptide Cat.#: 318753 (TFA removed)
Lot No.	MTFA30739-1127
Sequence	Ac-C*AWGLAILEGELAWLEGGGGGGQLADLKRQLAWLKQAC*-NH2 (Acetate Salt)
Dissolution condition	2%NH3.H2O+18%ACN+80%H2O
Length	39AA
Modification	acetate salt; Disulfide bond C1-C39
Molecular Weight (MW)	4079.68
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4080.00	Conforms
Purity by HPLC	>95%	95.020%
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	300mg	10.0mg*30

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

Dec/18/2023

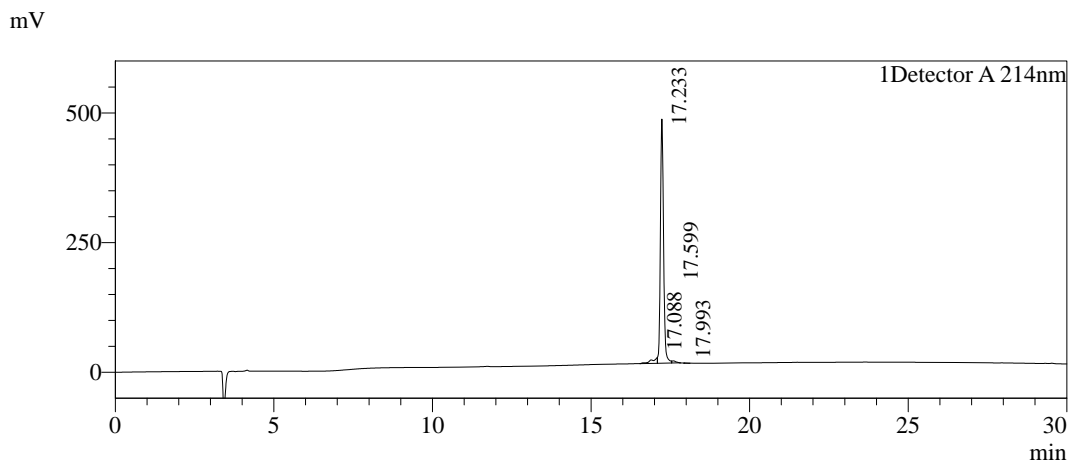


Sample Information

Order ID :MTFA30739
 Name :Y-2, a CTLA-4/B7 inhibition peptide
 Sequence :Ac-C*AWGLAILEGELAWLEGGGGGGGQLADLKRQLAW
 LKQAC*-NH2 (Acetate Salt)
 Lot. No :MTFA30739-1127
 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 :Inertsil ODS-SP(4.6*250mm*5um)
 Dissolution method :2% NH3.H2O+18% ACN+80% H2O
 Inj. Volume : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	35
30.00	Pumps	B.Conc	65
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	35
50.00	Controller	Stop	

Chromatogram

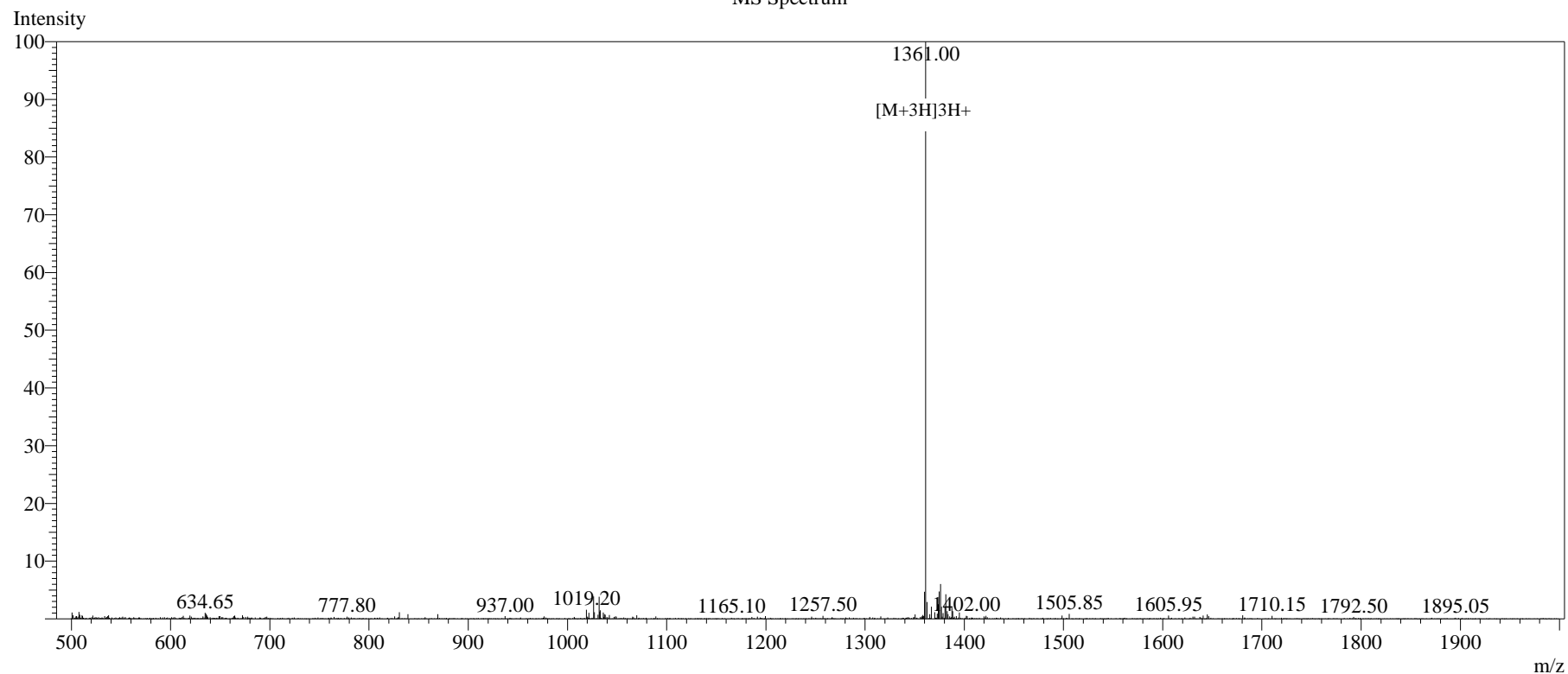


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	17.088	130857	10833	3.869
2	17.233	3213432	470651	95.020
3	17.599	35376	4069	1.046
4	17.993	2166	436	0.064
Total		3381832	485990	100.000

MS Spectrum



Sample Information

Dissolution method	:2%NH ₃ .H ₂ O+18%ACN+80%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/12/14 17:42:29	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	:MTFA30739
Name	:Y-2, a CTLA-4/B7 inhibition peptide
Sequence	:Ac-C*AWGLAILEGELAWLEGGGGGGQLADLKRQLAWLKQAC*-NH ₂ (AcetateSalt)
Lot.No	:MTFA30739-1127
Theoretical	:4079.68
Observed	:4080.00