


## CERTIFICATE OF ANALYSIS

Product Name	NVG-291, TAT-ISP peptide, Cat.#: 319761 (TFA removed)
Lot No.	MTFA32443-0214
Sequence	GRKKRRQRRRCDMAEHMERLKANDSLKLSQEYESI-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	35AA
Modification	acetate salt
Molecular Weight (MW)	4318.91
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4319.70	Conforms
Purity by HPLC	>95%	97.462%
TFA 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	1g	25.0mg*16

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

Mar/28/2025



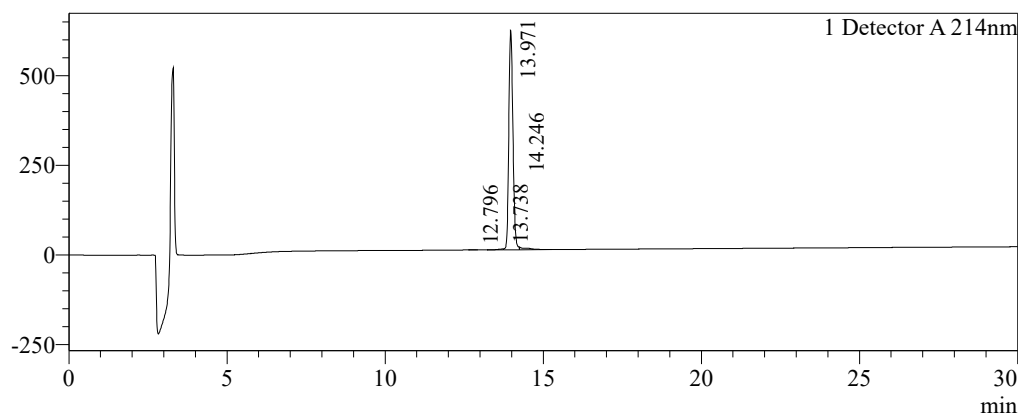
### Sample Information

Order ID :MTFA32443  
 Name :NVG-291, TAT-ISP peptide  
 Sequence :GRKKRRQRRRCDMAEHMERLKANDSLKLSQEYESI-NH2  
 (Acetate Salt)  
 Lot. No :MTFA32443-0214  
 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 : 25ul  

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

mV

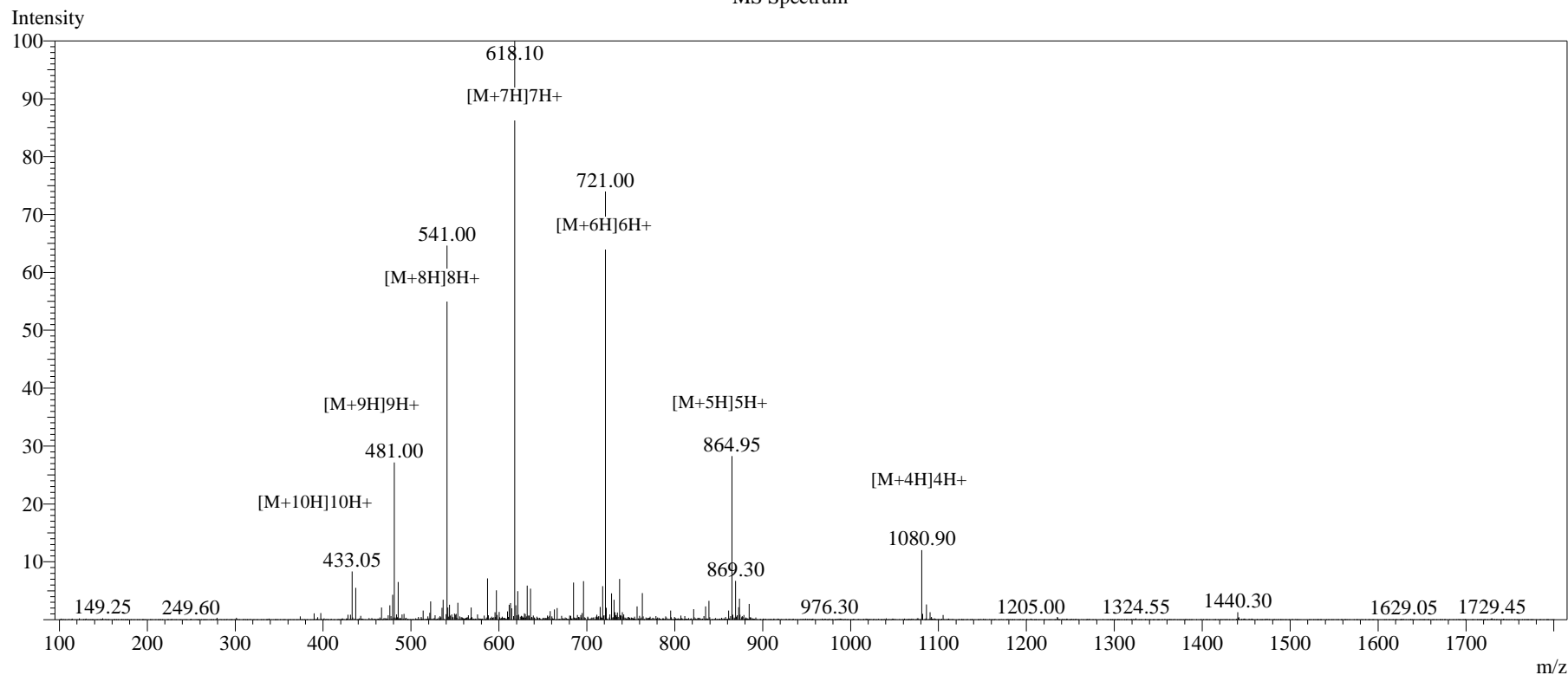


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.796	2866	358	0.050
2	13.738	27487	2472	0.483
3	13.971	5550046	611977	97.462
4	14.246	114161	7262	2.005
Total		5694559	622070	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/03/18 15:49:00	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 <sub>2</sub> O/50% ME OH

Order ID	:MTFA32443
Name	:NVG-291, TAT-ISP peptide
Sequence	:GRKKRRQRRRC DMAEHMERL KANDSLKLSQEYESI-NH <sub>2</sub> (Acetate Salt)
Lot.No	:MTFA32443-0214
Theoretical	:4318.91
Observed	:4319.70