

## CERTIFICATE OF ANALYSIS

Product Name	NVG-291, TAT-ISP (human), Cat.#: 319761 (TFA removed)
Lot No.	MTFA33546-251106
Sequence	GRKKRRQRRRCDMAEHTERLKANDSLKLSQEYESI-NH2 (HCl Salt)
Dissolution condition	100%H2O
Modification	HCl Salt
Molecular Weight (MW)	4288.82
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4289.40	Conforms
Purity by HPLC	>95%	95.614%
Endotoxin Content	N/A	N/A
TFA solubility	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	100 mg	5.0mg*20

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:



Nov/07/2025

Quality Assurance Department



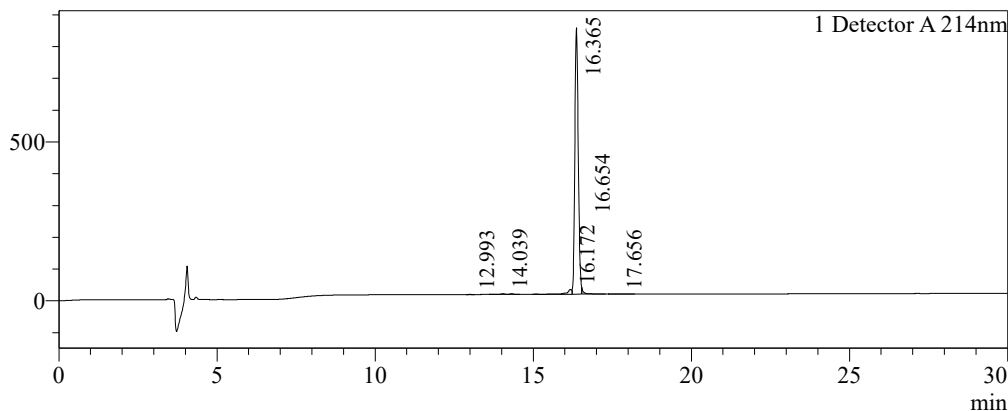
### Sample Information

Order ID :MTFA33546  
 Name :NVG-291, TAT-ISP (human) peptide  
 Sequence :GRKKRRQRRRCDMAEHTERLKANDSLKLSQEYESI-NH<sub>2</sub>(HCl Salt)  
 Lot. No :MTFA33546-251106  
 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%H<sub>2</sub>O  
 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

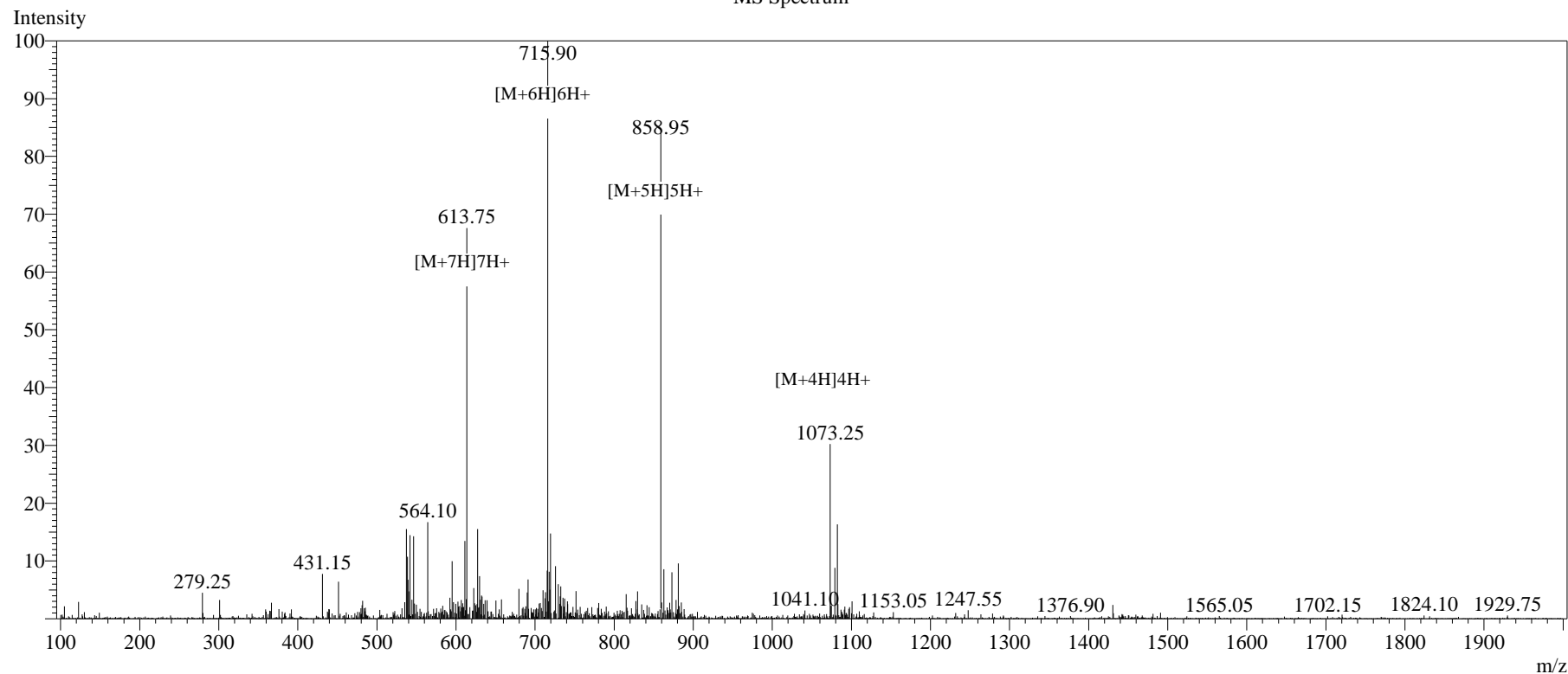


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.993	3354	518	0.051
2	14.039	43470	2405	0.658
3	16.172	157202	14990	2.379
4	16.365	6317204	838138	95.614
5	16.654	76300	2733	1.155
6	17.656	9450	302	0.143
Total		6606980	859086	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/11/07 15:06:03	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

Name	: NVG-291, TAT-ISP (human) peptide
Order ID	:MTFA33546
Sequence	:GRKKRRQRRRCDMAEHTERL KANDSLKLSQEYESI-NH <sub>2</sub> (HCl Salt)
Lot.No	:MTFA33546-251106
Theoretical	:4288.82
Observed	:4289.40

## Instructions for dissolving NVG-291, TAT-ISP (Human)

The NVG-291 is soluble in 100% H<sub>2</sub>O or 1xPBS. The suggested concentration is 5.0 mg/ml.

The steps are as below:

1. Adding 1.0 ml ultrapure water to the 2.0 ml tube of NVG-291;
2. Wait about 1 minute at room temperature until the solution is clear, which indicates the peptide is fully dissolved;
3. Use a sterile 0.22  $\mu$ m membrane filter for a particle-free and bacteria-free NVG-291 solution.  
For example, Catalog# SLGPR33RB, Millipore Millex-GP Syringe Filter Unit, 0.22  $\mu$ m, polyethersulfone, 33 mm, gamma sterilized.

The detailed information of NVG-291 can be found at:

<https://nervgen.com/pipeline/sci/>  
[https://nervgen.com/wp-content/uploads/2024/07/NervGen-Stroke-Backgrounder\\_FINAL\\_July-10-2023\\_Web.pdf](https://nervgen.com/wp-content/uploads/2024/07/NervGen-Stroke-Backgrounder_FINAL_July-10-2023_Web.pdf)  
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