

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Phytosulfokine (PSK) alpha peptide, Cat.#: 310384
<b>Lot No.</b>	MTFA31213-0407
<b>Sequence</b>	H-Tyr(SO3H)-Ile-Tyr(SO3H)-Thr-Gln-OH
<b>Dissolution condition</b>	100%H2O
<b>Length</b>	5AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	846.77
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	846.70	Conforms
<b>Purity by HPLC</b>	>95%	95.073%
<b>Peptide content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	50mg	5.0mg*10

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

Apr/11/2024

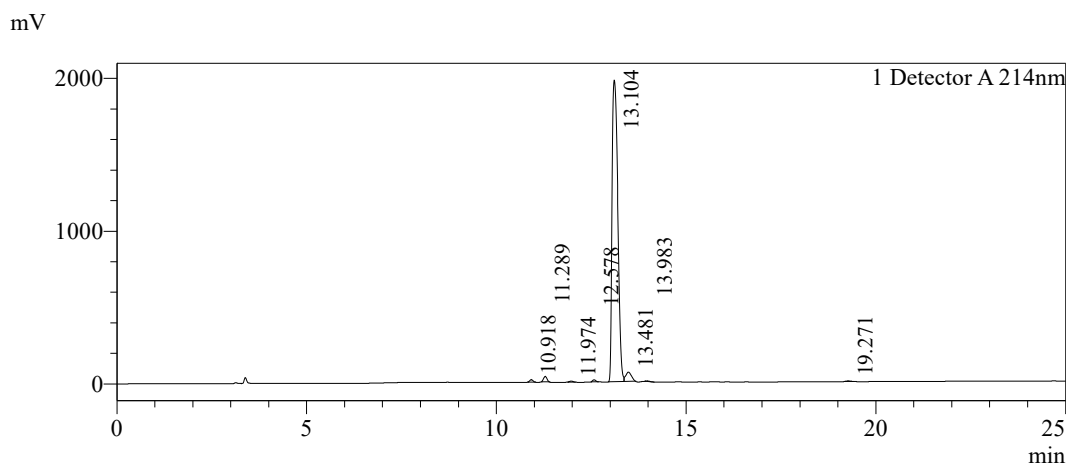


### Sample Information

Order ID :MTFA31213  
 Name :Phytosulfokine (PSK) alpha  
 Sequence :H-Tyr(SO3H)-Ile-Tyr(SO3H)-Thr-Gln-OH  
 Lot. No :MTFA31213-0407  
 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 : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	0.1
25.00	Pumps	B.Conc	25
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	0.1
50.00	Controller	Stop	

### Chromatogram

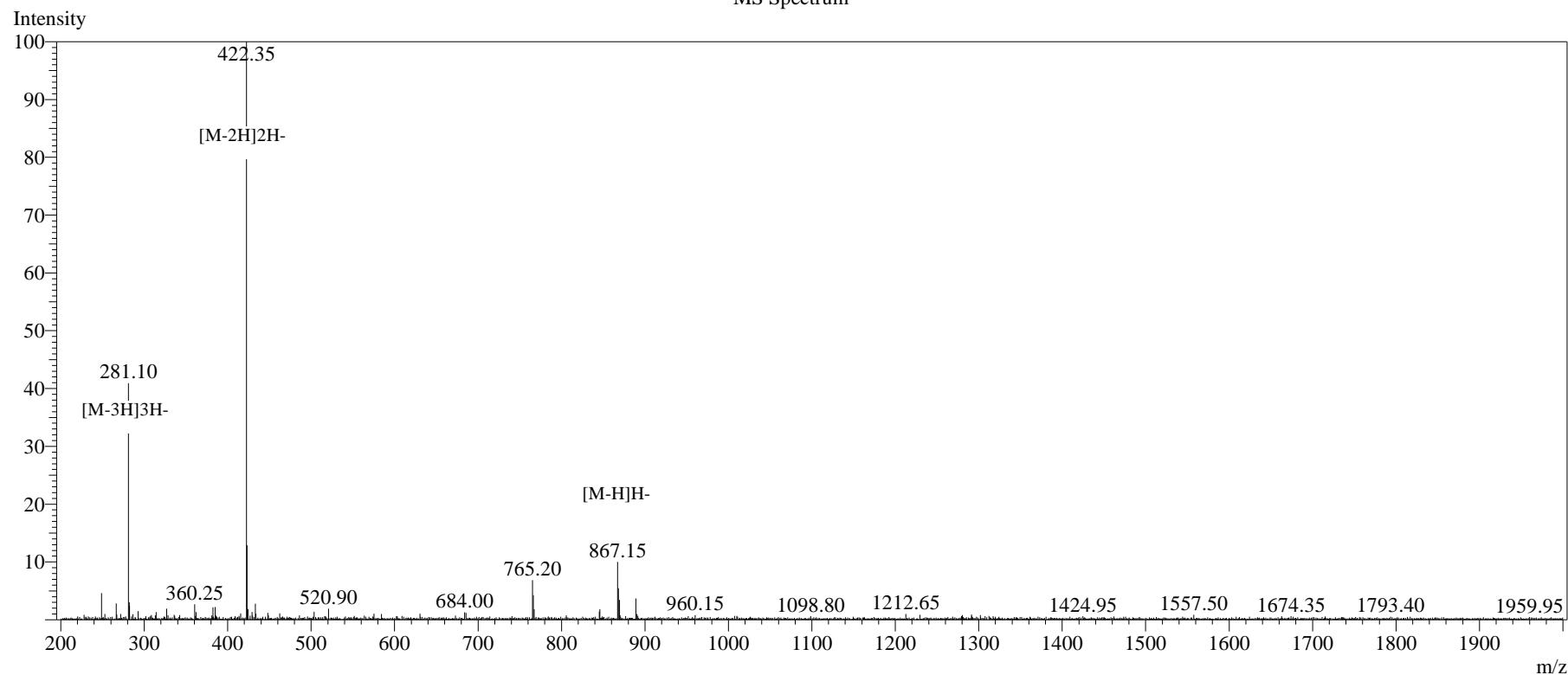


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.918	94269	16035	0.424
2	11.289	211736	34316	0.952
3	11.974	37657	6154	0.169
4	12.578	73893	12766	0.332
5	13.104	21149974	1973451	95.073
6	13.481	626378	60545	2.816
7	13.983	20294	3538	0.091
8	19.271	31893	3882	0.143
<b>Total</b>		<b>22246096</b>	<b>2110687</b>	<b>100.000</b>

## MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/04/09 17:14:01	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% MEOH

Order ID	:MTFA31213
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Sequence	:H-Tyr(SO <sub>3</sub> H)-Ile-Tyr(SO <sub>3</sub> H)-Thr-Gln-OH
Lot.No	:MTFA31213-0407
Theoretical	:846.77
Observed	:846.70