

## CERTIFICATE OF ANALYSIS

Product Name	ChMAP-28 peptide, Cat.#: 318785 (TFA removed)
Lot No.	MTFB20363-251211
Sequence	GRFKRFRKKLKRLWHKVGPFVGPILHY (Acetate Salt)
Dissolution condition	100%H <sub>2</sub> O
Modification	acetate salt
Molecular Weight (MW)	3365.10
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3365.75	Conforms
Purity by HPLC	>95%	97.068%
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	20mg	5.0mg*4

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:



Dec/15/2025

Quality Assurance Department



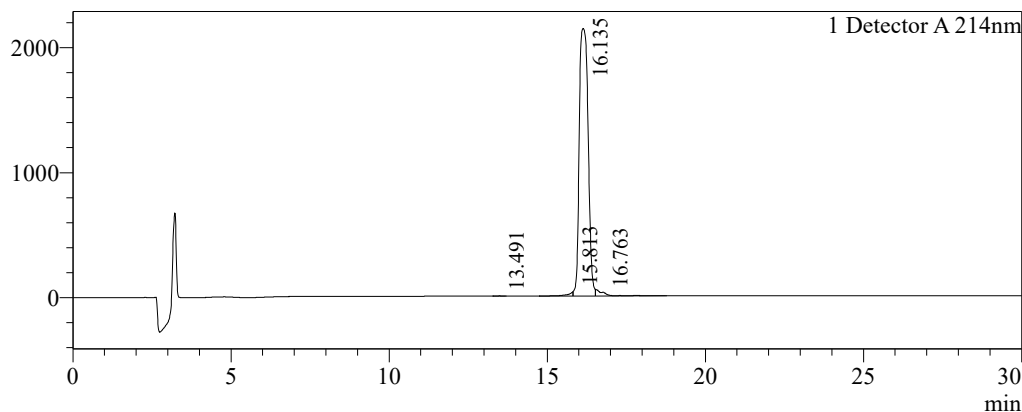
### Sample Information

Order ID :MTFB20363  
 Name :ChMAP-28 peptide  
 Sequence :GRFKRFRKKLKRLWHKVGPFVGPIILHY(Acetate Salt)  
 Lot.No :MTFB20363-251211  
 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 : 30ul  

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
30.00	Pumps	B.Conc	50
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

### Chromatogram

mV

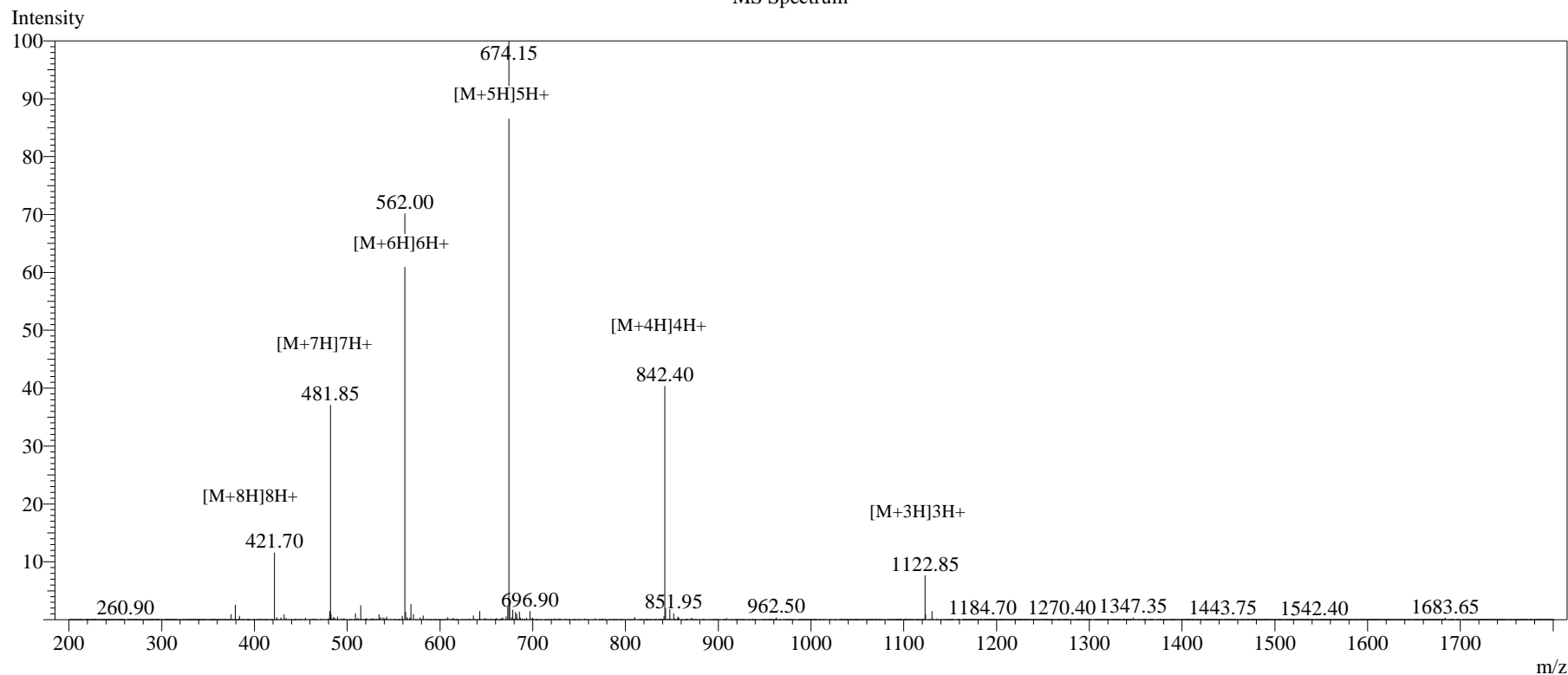


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.491	15161	1696	0.035
2	15.813	357319	33663	0.831
3	16.135	41755150	2140224	97.068
4	16.763	888838	29366	2.066
Total		43016468	2204949	100.000

# MS Spectrum



## Sample Information

Dissolution method :15% ACN+85% H<sub>2</sub>O  
Date Acquired :2025/12/11 14:37:30  
Injection Volume :0.2ul  
Block Temp :200

Interface :ESI  
Nebulizing Gas Flow :1.50L/min  
CDL Temp :250°C  
CDL Volt :0v

Prerod Bias :+4.5kv  
Detector :-0.2kv  
T.Flow :0.2ml/min  
B.conc :50% H<sub>2</sub>O/50% ME OH

Order ID :MTFB20363  
Name :ChMAP-28  
Sequence :GRFKRFRKKLKRLWHKVGPFVGPI LHY(Acetate Salt)  
Lot.No :MTFB20363-251211  
Theoretical :3365.10  
Observed :3365.75