

CERTIFICATE OF ANALYSIS

Product Name	BRP/BRINP2-related peptide, Cat.#: 319763 (TFA removed)
Lot No.	MTFB20994-260703
Sequence	THRILRRLFNLC-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Modification	Acetate Salt
Molecular Weight (MW)	1540.87
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1541.00	Conforms
Purity by HPLC	>95%	95.387%
Endotoxin Content	N/A	N/A
TFA solubility	N/A	N/A
Moisture content	N/A	N/A
Peptide content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	200.0mg	5.0mg*40

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:



Jul/08/2026

Quality Assurance Department

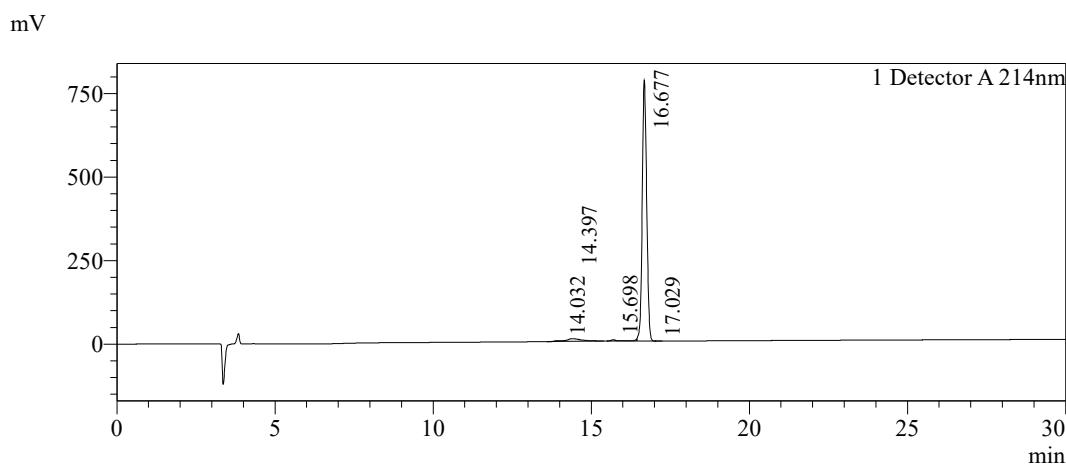


Sample Information

Order ID :MTFB20992
 Name :BRP/BRINP2-related peptide, Cat.#: 319763 (TFA removed)
 Sequence :THRILRRLFNLC-NH2(Acetate Salt)
 Lot. No :MTFB20994-260703
 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	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



Peak Table

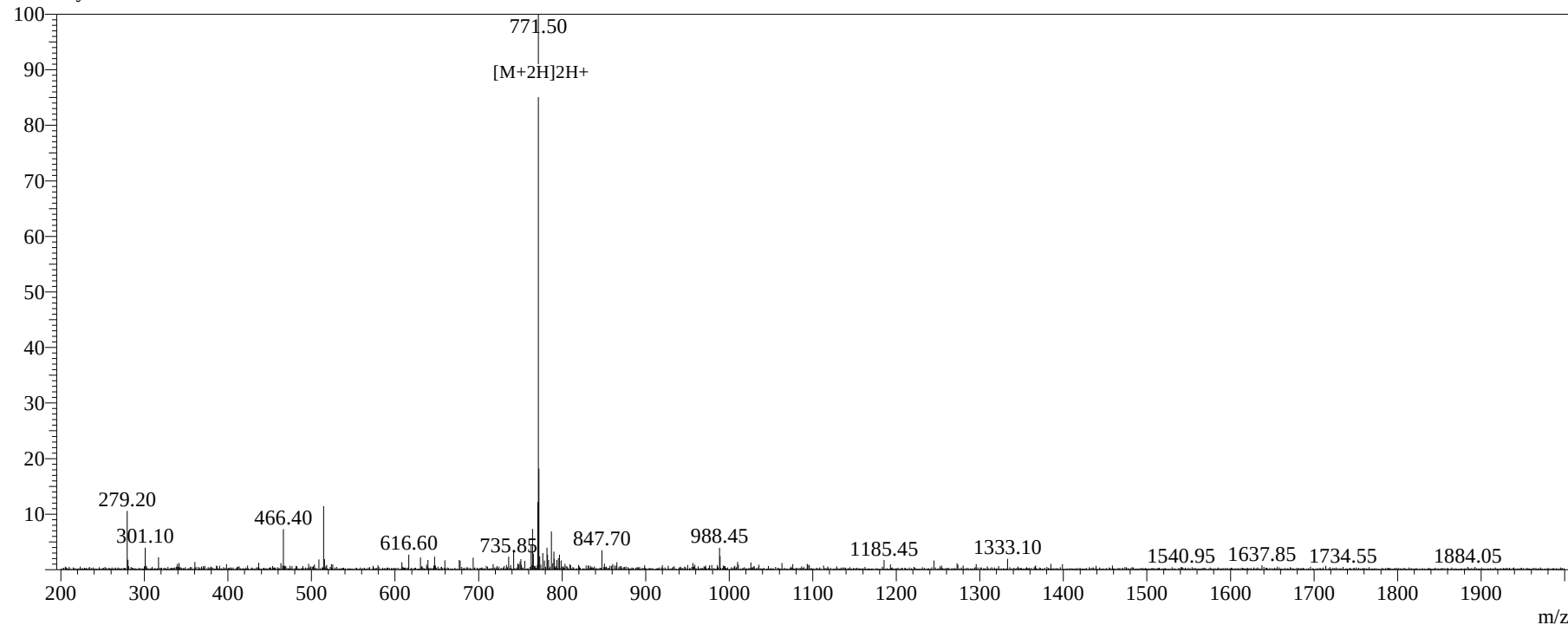
Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.032	47597	2778	0.596
2	14.397	242989	7803	3.044
3	15.698	77319	3489	0.969
4	16.677	7614901	779733	95.387
5	17.029	333	112	0.004
Total		7983139	793915	100.000

MS Spectrum

正

Intensity



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/07/07 10:46:54	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%H2O/50%MEOH

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Lot.No	:MTFB20994-260703
Theoretical	:1540.87
Observed	:1541.00

Instructions for dissolving BRP/BRINP2-related peptide

The BRP/BRINP2-related peptide is soluble in pure water, 1 x PBS, or Bacteriostatic (BAC) water.

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 BRP/BRINP2-related peptide.
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 μ m membrane filter for a particle-free and bacteria-free solution.
For example, Catalog# SLGPR33RB, Millipore Millex-GP Syringe Filter Unit, 0.22 μ m, polyethersulfone, 33 mm, gamma sterilized.

References of BRP/BRINP2-related peptide

1. Coassolo, Laetitia et al. "Prohormone cleavage prediction uncovers a non-incretin anti-obesity peptide." Nature vol. 641,8061 (2025): 192-201. doi:10.1038/s41586-025-08683-y
<https://pmc.ncbi.nlm.nih.gov/articles/PMC12043402/>