
CERTIFICATE OF ANALYSIS

Product Name Buforin I peptide, Cat.#: 305785 (TFA removed)

Lot No. MTFB20373-251212

Sequence AGRGKQGGKVRAKAKTRSSRAGLQFPVGRVHRLRKGNY
(Acetate Salt)

Dissolution condition 100%H2O

Modification acetate salt

Molecular Weight (MW) 4262.94

Storage -20°C

Test Items	Specifications	Results
MW by MS	4263.70	Conforms
Purity by HPLC	>95%	97.846%
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	10 mg	5.0mg*2

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Certified by: 
 Quality Assurance Department

Jan/22/2026

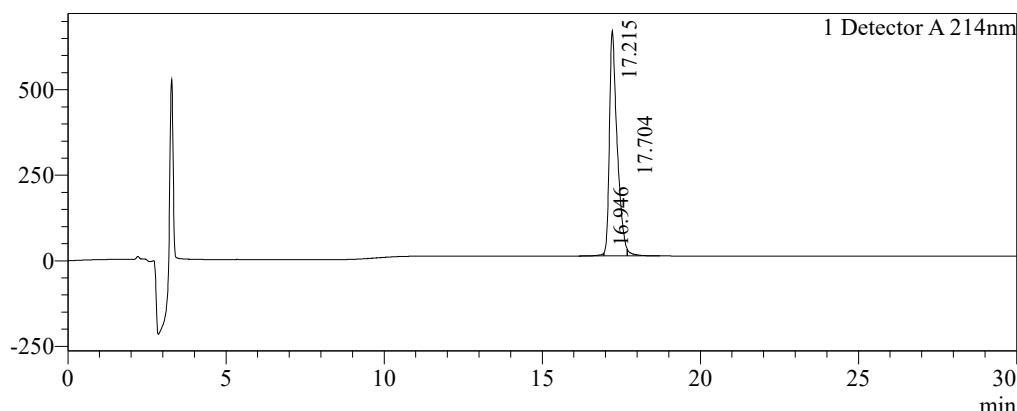


Sample Information

Order ID	:MTFB20373		
Name	:Buforin I peptide		
Sequence	:AGRGKQGGKVRAKAKTRSSRAGLQFPVGRVHRLLRKGNY (Acetate Salt)		
Lot. No	:MTFB20373-251212		
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	: 30ul		
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

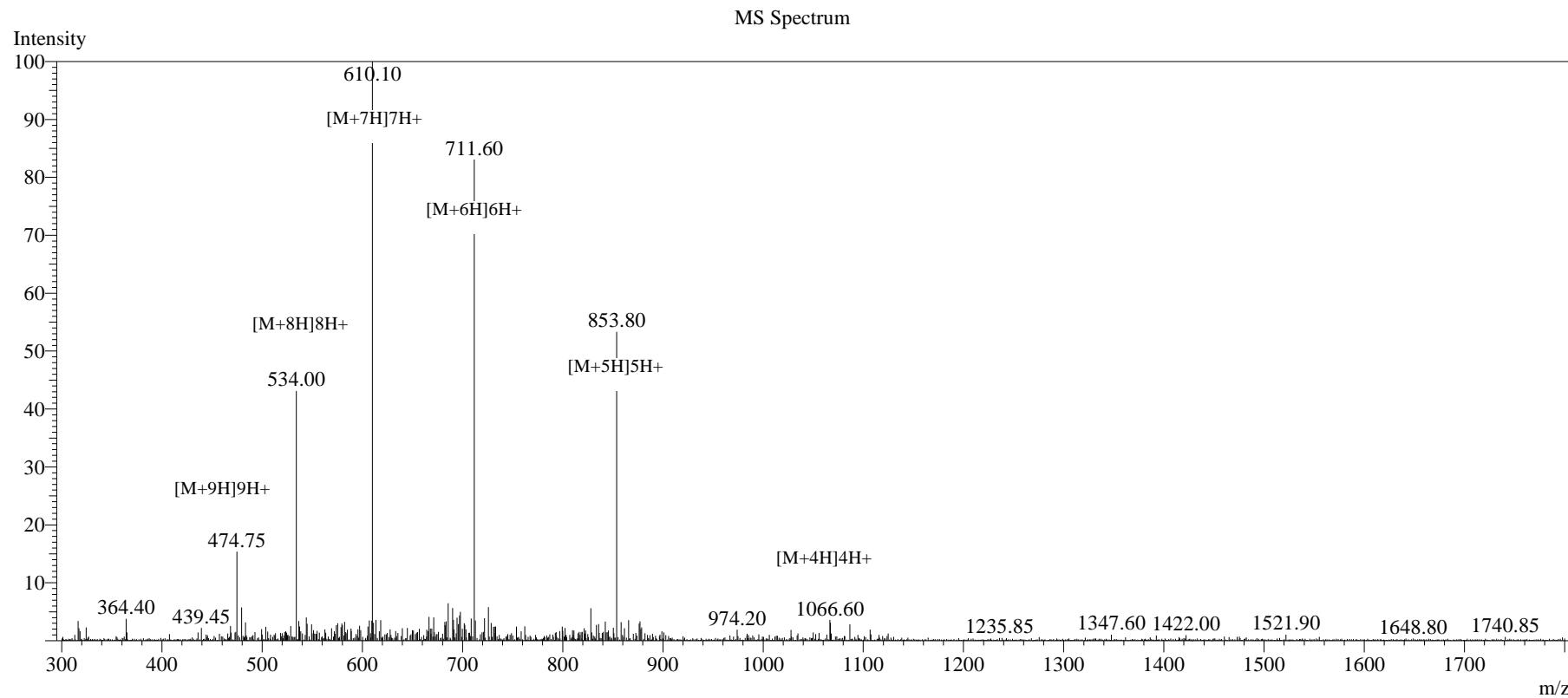
mV



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	16.946	70662	7704	0.619
2	17.215	11173704	658970	97.846
3	17.704	175289	17380	1.535
Total		11419655	684054	100.000



Sample Information

Dissolution method :15%ACN+85%H2O Interface :ESI Prerod Bias :+4.5kv
 Date Acquired :2026/01/21 15:10:24 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

Order ID :MTFB20373
Name :Buforin I peptide
Sequence :AGRGKQGGKVRAKAKTRSSRAGLQFPVGRVHRLLRKGNY (Acetate Salt)
Lot.No :MTFB20373-251212
Theoretical :4262.94
Observed :4263.70