

CERTIFICATE OF ANALYSIS

Product Name	Thanatin peptide (TFA removed), Cat.#: 309243
Lot No.	MTFA30152-0512
Sequence	GSKKPVPIIYCNRRTGKQCQM (Acetate salt)
Dissolution condition	100%H ₂ O
Length	21AA
Modification	Acetate salt;disulfide bond: Cys11-Cys18
Molecular Weight (MW)	2433.96
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2434.08	Conforms
Purity by HPLC	>95%	95.112%
Peptide Content	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	100mg	5.0mg*8

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

Jun/13/2023



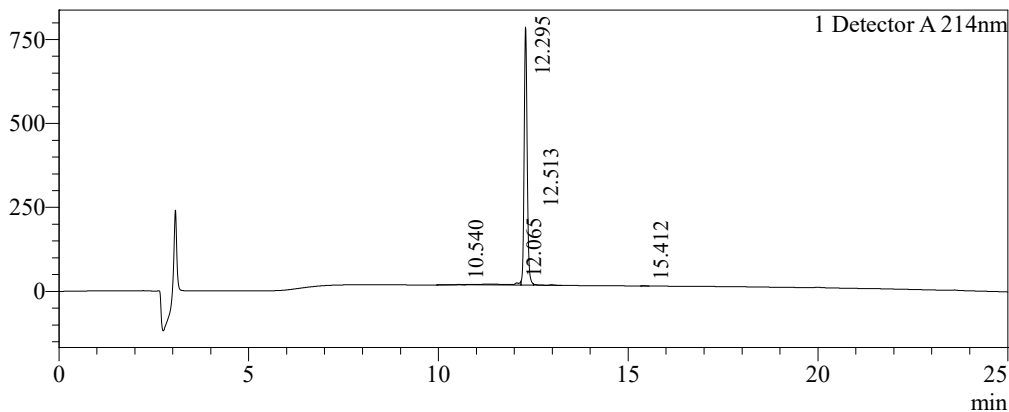
Sample Information

Order ID :MTFA30152
Name :Thanatin peptide (TFA removed)
Sequence :GSKKPVPPIYC*NRRTGKC*QRM(Acetate Salt)
Lot. No :MTFA30152-0512
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 :Shim-pack GIST C18(4.6*250mm*5um)
Dissolution method :100%H₂O
Inj. Volume : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	15
25.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

Chromatogram

mV

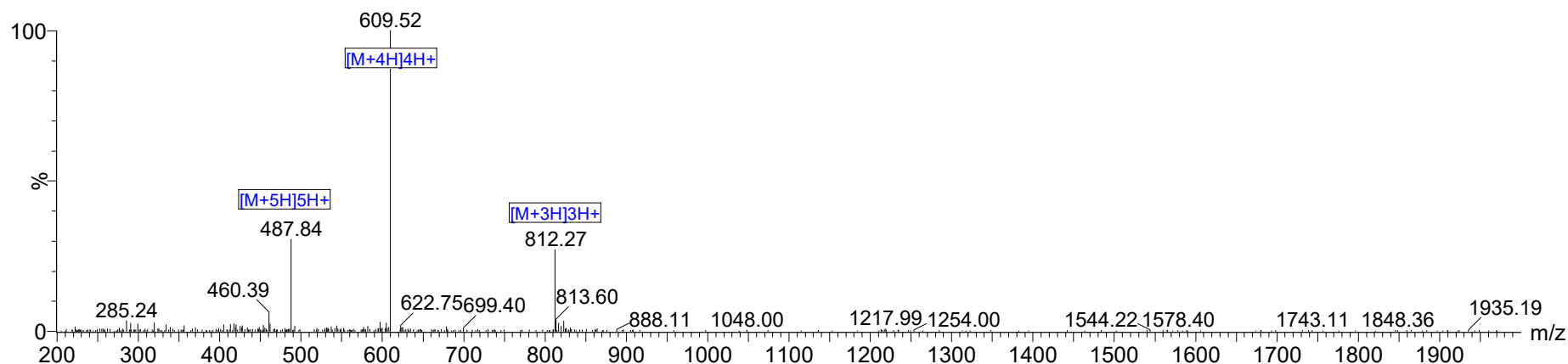


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.540	8358	388	0.188
2	12.065	170318	6340	3.838
3	12.295	4220850	768403	95.112
4	12.513	33415	3278	0.753
5	15.412	4810	932	0.108
Total		4437752	779341	100.000

MS Spectrum

Positive
Intensity


Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:6/13/2023 1:45:21	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H2O/50%MEOH

Order ID	: MTF A30152
Name	: Thanatin peptide (TFA removed)
Sequence	: GSKKPVPIIYC*NRRTGKC*QRM(Acetate Salt)
Lot.No	: MTF A30152-0512
Theoretical	: 2433.96
Observed	: 2434.08