

CERTIFICATE OF ANALYSIS

Product Name	KR-12 (human), Cat.#: 304638 (TFA removed)
Lot No.	MTFA32558-0317
Sequence	KRIVQRIKDFLR-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	12AA
Modification	acetate salt
Molecular Weight (MW)	1570.93
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1571.25	Conforms
Purity by HPLC	>95%	95.802%
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	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:



Mar/26/2025

Quality Assurance Department

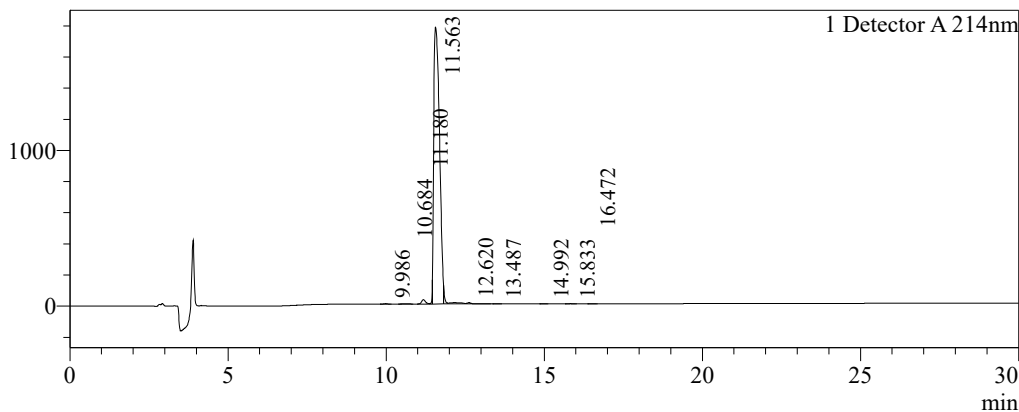


Sample Information

Order ID	:MTFA32558		
Name	:KR-12 (human) (TFA removed)		
Sequence	:KRIVQRIKDFLR-NH2 (Acetate Salt)		
Lot. No	:MTFA32558-0317		
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	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

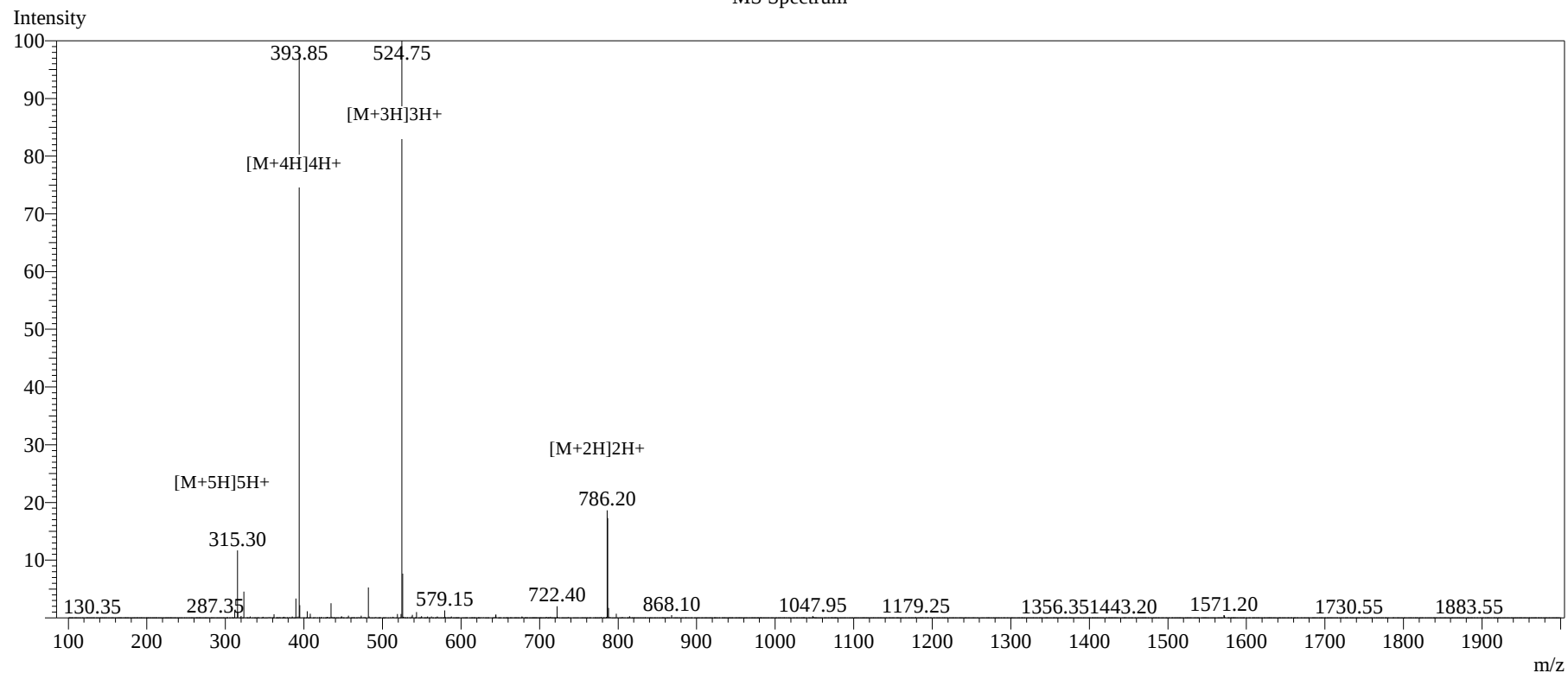


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.986	21648	2884	0.092
2	10.684	19320	1681	0.082
3	11.180	401334	27946	1.708
4	11.563	22513500	1776639	95.802
5	12.620	525476	8265	2.236
6	13.487	3388	517	0.014
7	14.992	2949	443	0.013
8	15.833	9339	1165	0.040
9	16.472	3014	415	0.013
Total		23499967	1819956	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/03/25 15:17:17	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 ₂ O/50%MEOH

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Theoretical	:1570.93
Observed	:1571.25