CERTIFICATE OF ANALYSIS

Product Name	Tachyplesin-1 peptide, Cat.#: 318950
Lot No.	GTA34602-1008
Sequence	RFC*WKVC*YKGIC*FKKC*K-NH2
Dissolution condition	100%H2O
Length	17AA
Modification	Disulfide bond Cys3-Cys16；Cys7-Cys12
Molecular Weight (MW)	2135.71
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2135.70	Conforms
Purity by HPLC	>95%	95.612%
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	2mg	1.0mg*2

Certified by:

Quality Assurance Department

Oct/11/2022

Sample Information

Order ID	:GTA34602
Name	:Tachyplesin-1
Sequence	:RFC*WKVC*YKGIC*FKKC*K-NH2
Lot. No	:GTA34602-1008
Pump A	:0.1%Trifluoroacetic in 100% water
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile
Total Flow	:1ml/min
Wavelength	:214nm
Analytial column type	:YMC-Triart C18(4.6*250mm*5um)
Dissolution method	:100%H2O
Inj. Volume	: 25ul

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
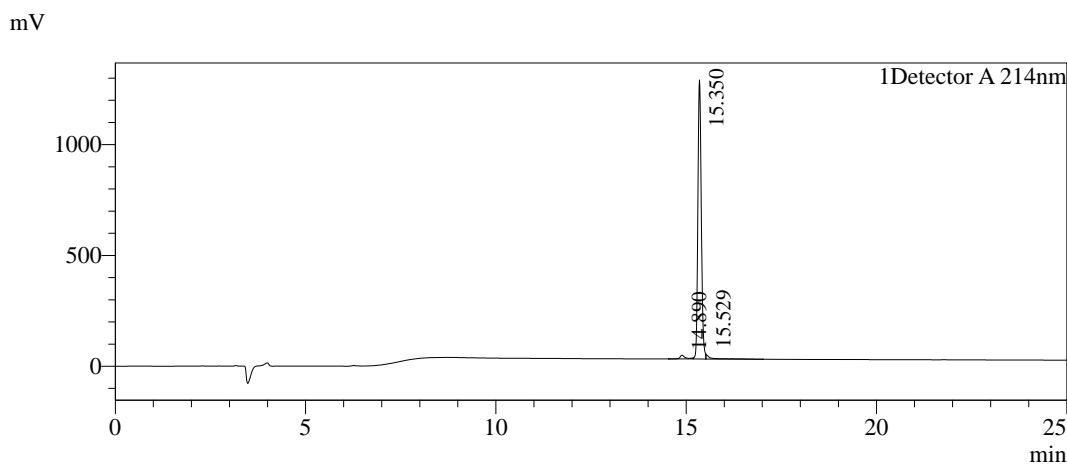
Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.890	165004	16761	2.020
2	15.350	7810241	1259388	95.612
3	15.529	193464	20835	2.368
Total		8168710	1296985	100.000

MS Spectrum

Positive
Intensity

1068.85

[M+2H]2H+

432.45 525.75 589.05 705.00 845.25 907.55 1018.05 1144.75 1272.35 1425.55 1476.30 1656.00 1750.50 1912.45

m/z
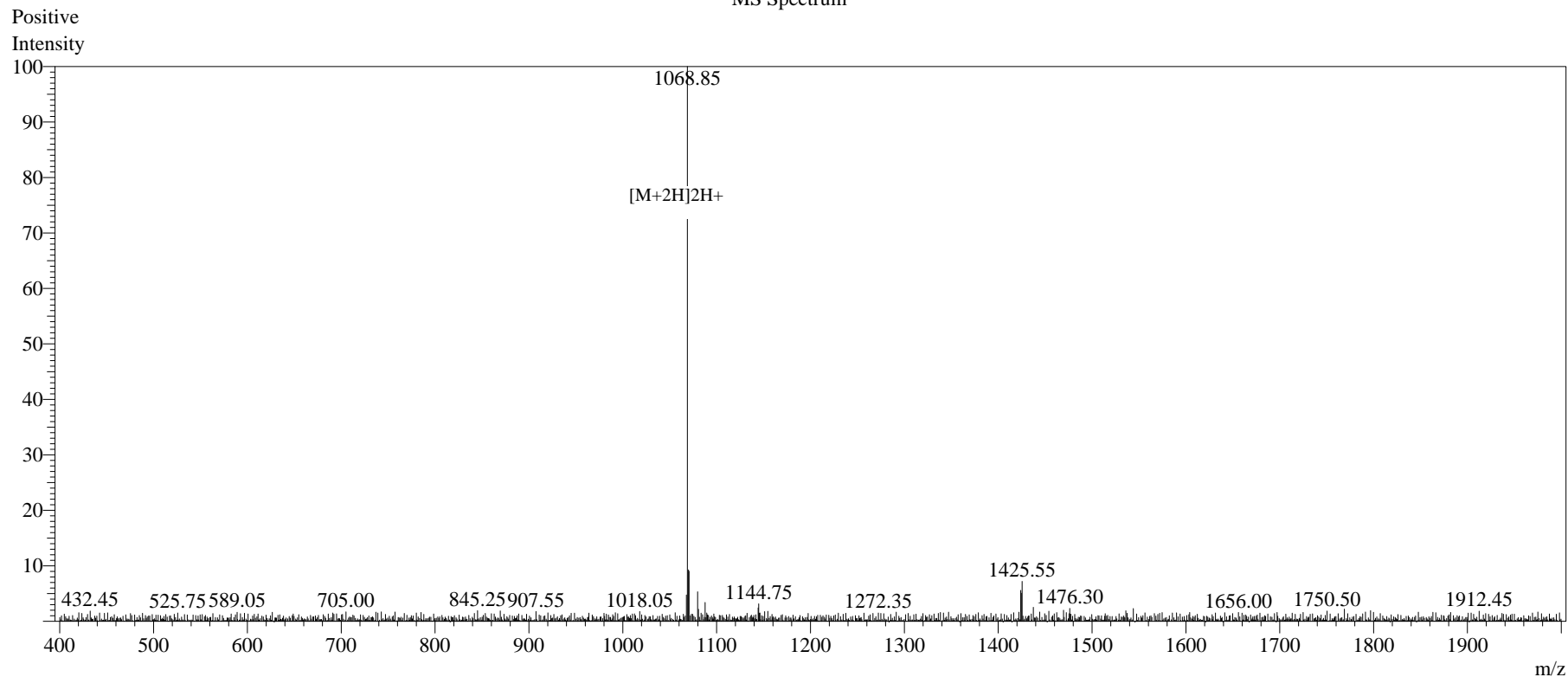
Sample Information

Dissolution method	:15%ACN+85%H2O		Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2022/10/11 11:09:07		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

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Lot.No   :GTA34602-1008
Theoretical   :2135.71
Observed   :2135.70