


CERTIFICATE OF ANALYSIS

Product Name	Kisspeptin-54 (human)(Cat.#301006), TFA removed
Lot No.	GTA35095-0504
Sequence	GTSLSPPESSGSRQQPGLSAPHSRQIPAPQGAVLVQREKDLPN YNWNSFGLRF-NH2(Acetate Salt)
Dissolution condition	100%H2O
Length	54AA
Modification	acetate salt
Molecular Weight (MW)	5857.41
Storage	-20°C

Test Items	Specifications	Results
MW by MS	5858.10	Conforms
Purity by HPLC	>95%	95.018%
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:



Quality Assurance Department

May/08/2023

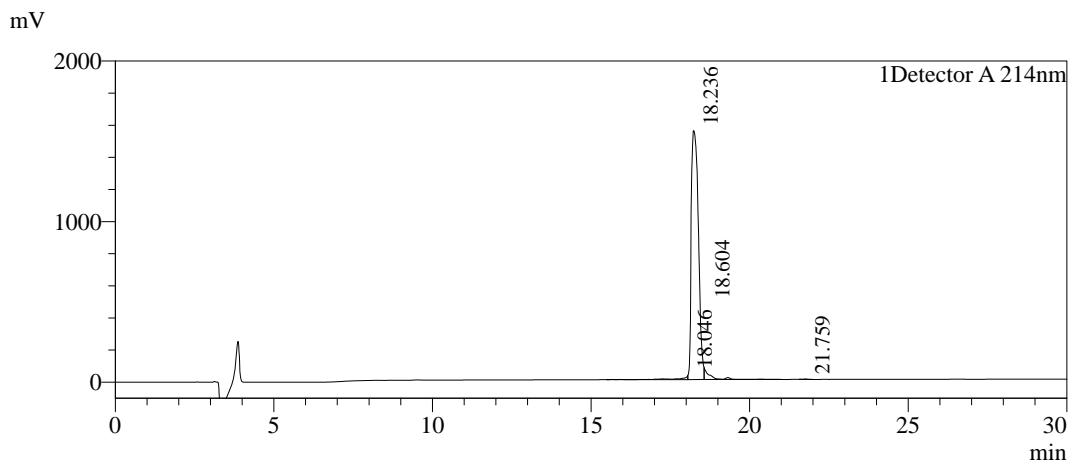


Sample Information

Order ID :GTA35095
 Name :Kisspeptin-54 (human)(Cat.#301006), TFA removed
 Sequence :GTSLSPPPESSGSRQQPGLSAPHSRQIPAPQGA
 VLVQREKDLPNYNWNSFGLRF-NH2(Acetate Salt)
 Lot. No :GTA35095-0504
 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 :Inertsil ODS-SP(4.6*250mm*5um)
 Dissolution method :100% H2O
 Inj. Volume : 20ul

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

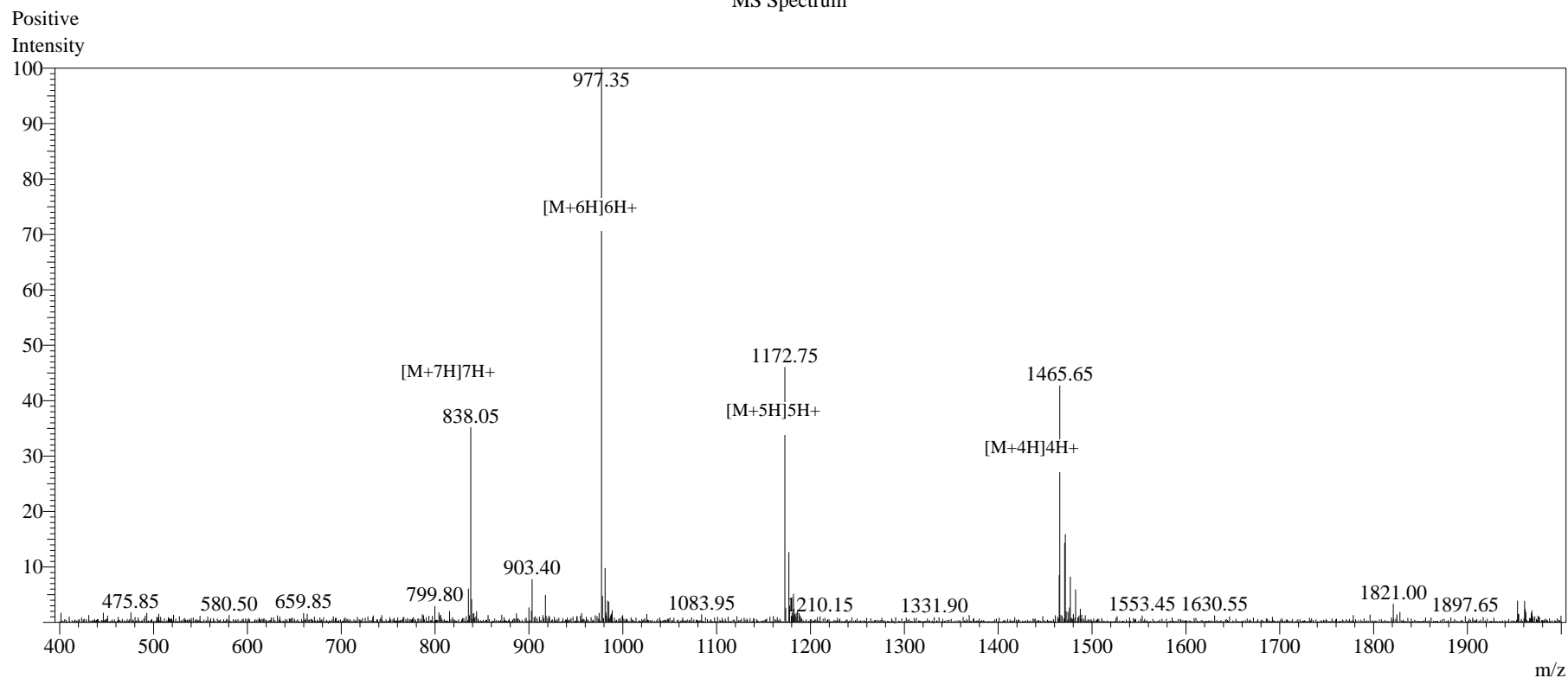


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	18.046	398147	21445	1.557
2	18.236	24292061	1550144	95.018
3	18.604	857049	57884	3.352
4	21.759	18543	2407	0.073
Total		25565800	1631880	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/05/05 16:38:17	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% H ₂ O/50% MEOH

Order ID	:GTA35095
Name	:Kisspeptin-54 (human)(Cat.#301006), TFA removed
Sequence	:GTSLSPPPESSGRQQPGLSAPHSRQIPAPQGAFLVQREKDLPNYNWNSFGLRF-NH ₂ (Acetate Salt)
Lot.No	:GTA35095-0504
Theoretical	:5857.41
Observed	:5858.10