

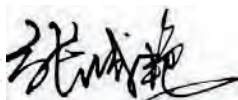
CERTIFICATE OF ANALYSIS

Product Name	Kisspeptin-54 (human) peptide, Cat.#: 301006 (TFA removed)
Lot No.	MTFA31094-0311
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	5857.95	Conforms
Purity by HPLC	>95%	95.014%
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	60mg	5.0mg*12

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

Mar/18/2024

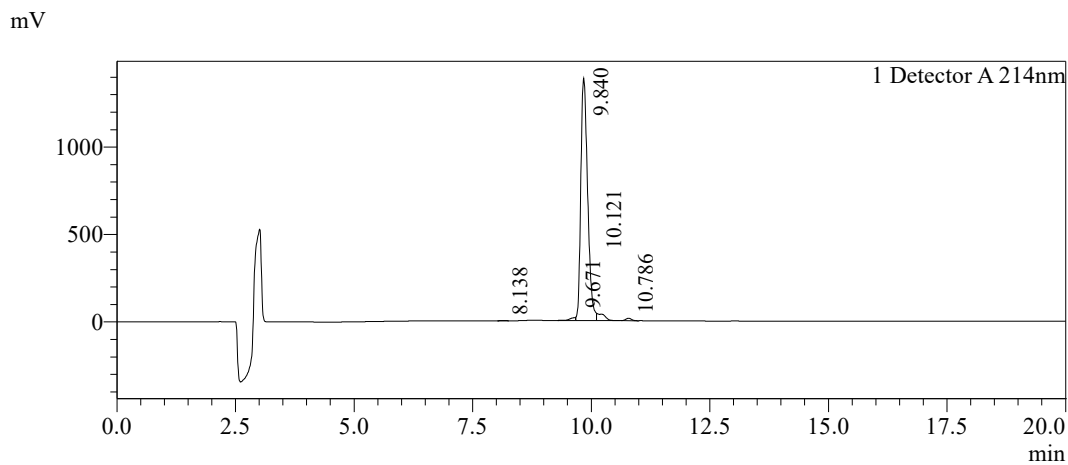


Sample Information

Order ID :MTFA31094
 Name :Kisspeptin-54 (human)
 Sequence :GTSLSPPPESSGSRQQPGLSAPHSRQIPAPQGAVLVQREKDL
 PNYNWNFSGLRF-NH2 (Acetate Salt)
 Lot. No :MTFA31094-0311
 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	25
20.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

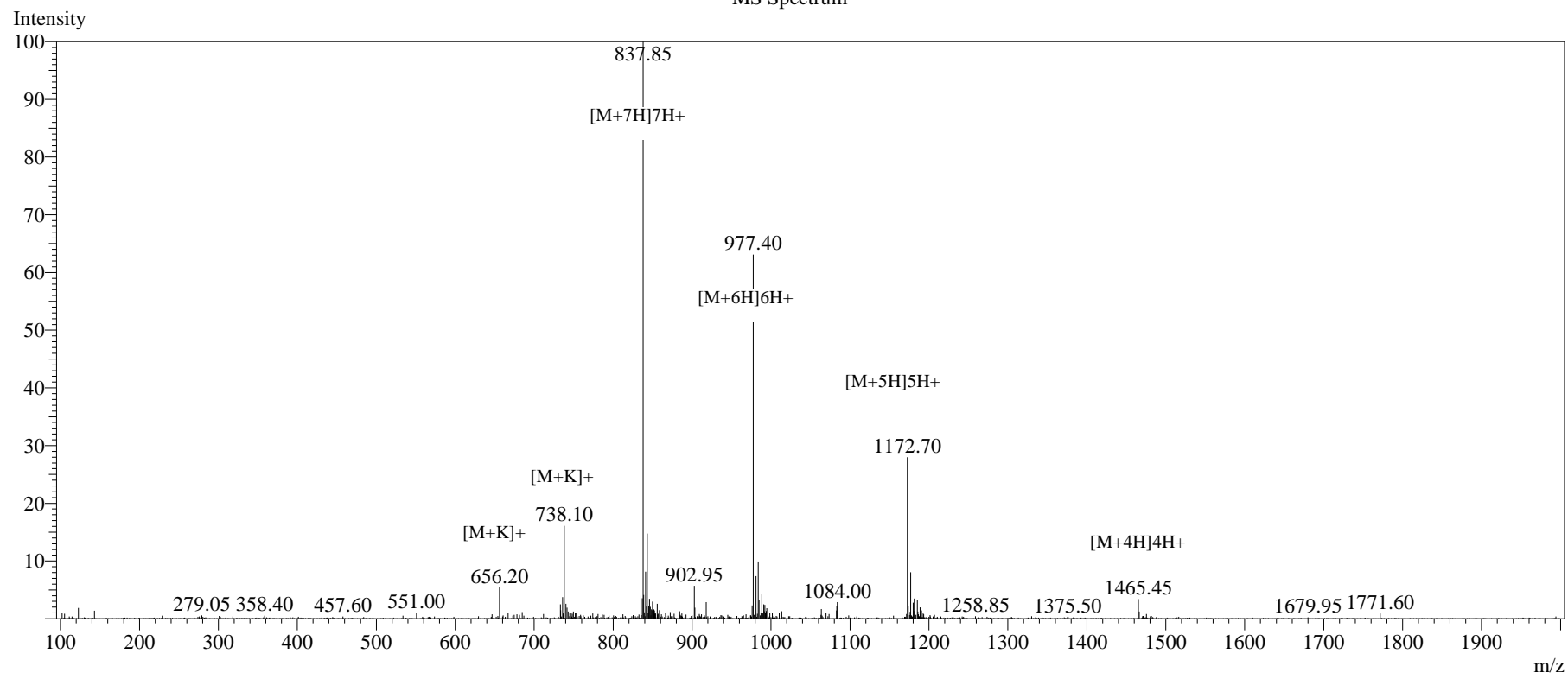
Chromatogram



Peak Table

Detector A 214nm				
Peak#	Ret. Time	Area	Height	Area%
1	8.138	9865	1417	0.068
2	9.671	144154	17058	0.987
3	9.840	13874880	1385649	95.014
4	10.121	460457	41061	3.153
5	10.786	113566	13574	0.778
Total		14602922	1458760	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/03/14 16:30:39	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

Order ID	:MTFA31094
Name	:Kisspeptin-54 (human)
Sequence	:GTSLSPPPESSGSRQQPGLSAPHSRQIPAPQGA VL VQREKDLPNYNWNSFGLRF-NH ₂ (Acetate Salt)
Lot.No	:MTFA31094-0311
Theoretical	:5857.41
Observed	:5857.95