
CERTIFICATE OF ANALYSIS

Product Name	GnRH peptide, Cat.#: 316495 (TFA removed)
Lot No.	MTFA30467-0911
Sequence	EHWSYGLRPG (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	10AA
Modification	Acetate salts
Molecular Weight (MW)	1201.29
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1201.20	Conforms
Purity by HPLC	>95%	95.042%
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	5mg	5.0mg

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

Sep/20/2023

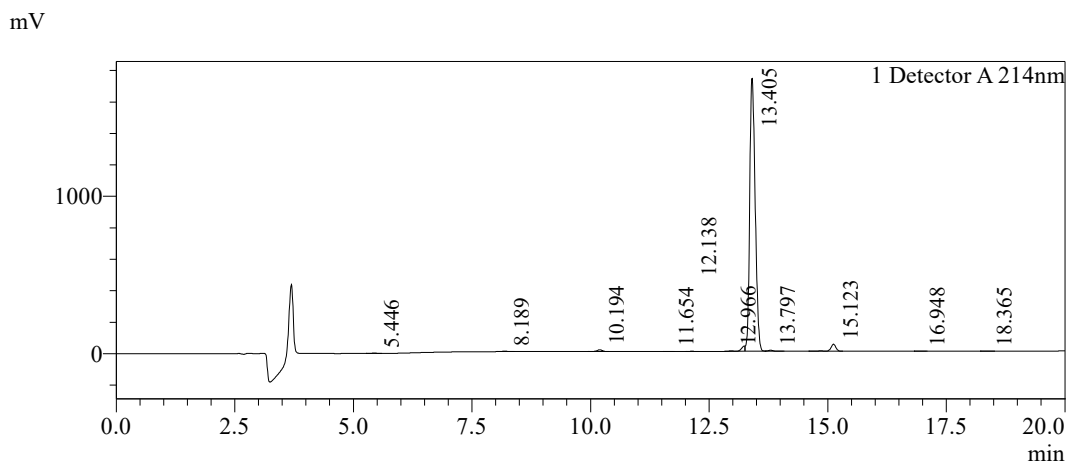


Sample Information

Order ID :MTFA30467
 Name :GnRH peptide
 Sequence :EHWSYGLRPG (Acetate Salt)
 Lot. No :MTFA30467-0911
 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
20.00	Pumps	B.Conc	35
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

Chromatogram

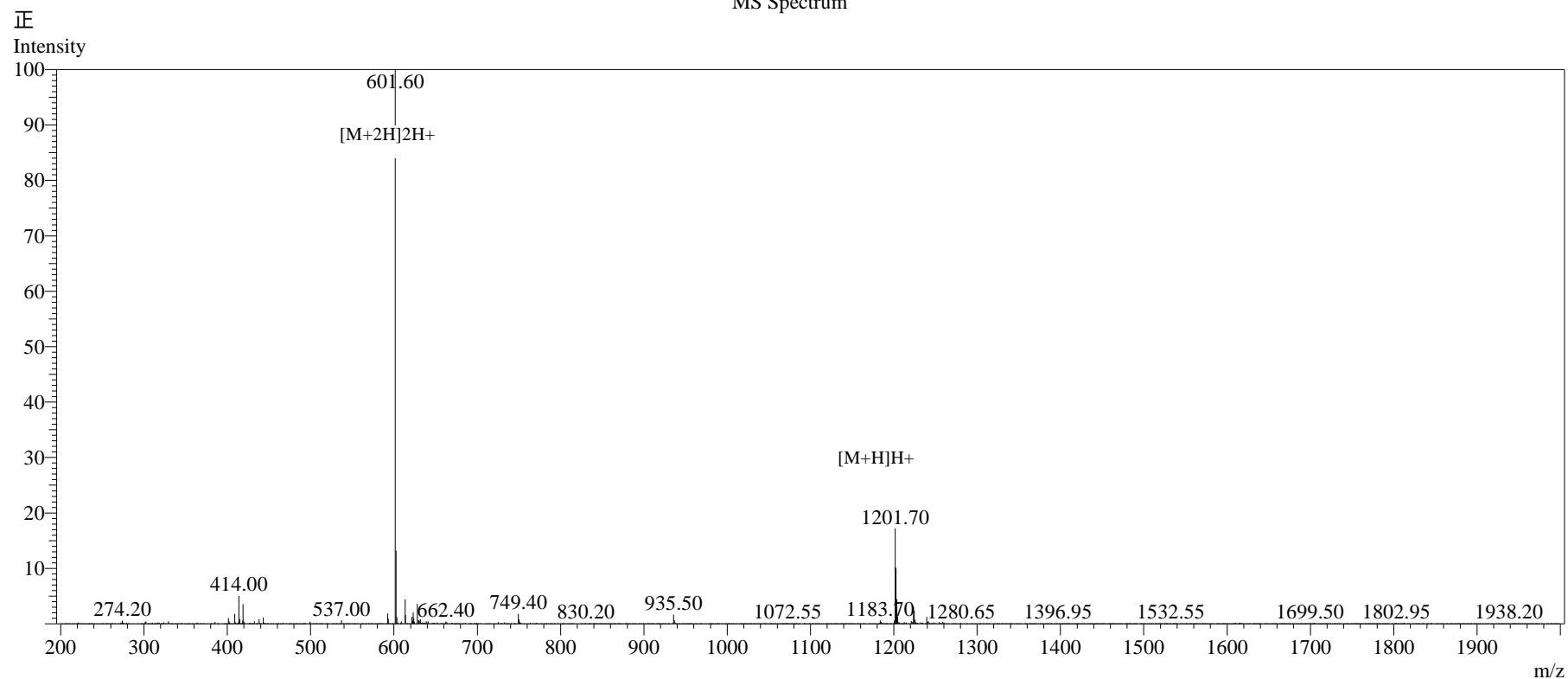


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	5.446	18076	2218	0.123
2	8.189	21623	2482	0.147
3	10.194	79878	10863	0.542
4	11.654	2769	388	0.019
5	12.138	3807	510	0.026
6	12.966	202751	3313	1.375
7	13.405	14011476	1734116	95.042
8	13.797	53093	6770	0.360
9	15.123	340861	44877	2.312
10	16.948	4376	621	0.030
11	18.365	3763	517	0.026
Total		14742473	1806674	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/09/19 13:28:25	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	:MTFA30467
Name	:GnRH peptide
Sequence	:EHWSYGLRPG(Acetate Salt)
Lot.No	:MTFA30467-0911
Theoretical	:1201.29
Observed	:1201.20