

CERTIFICATE OF ANALYSIS

Product Name	Cardiogen, Cat.#: 319695 (TFA removed)
Lot No.	MTFA33322-250915
Sequence	AEDR
Dissolution condition	100%H ₂ O
Modification	N/A
Molecular Weight (MW)	489.47
Storage	-20°C

Test Items	Specifications	Results
MW by MS	489.10	Conforms
Purity by HPLC	>95%	97.552%
Peptide Content	N/A	N/A
TFA solubility	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	40mg	5.0mg*8

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:



Sep/22/2025

Quality Assurance Department

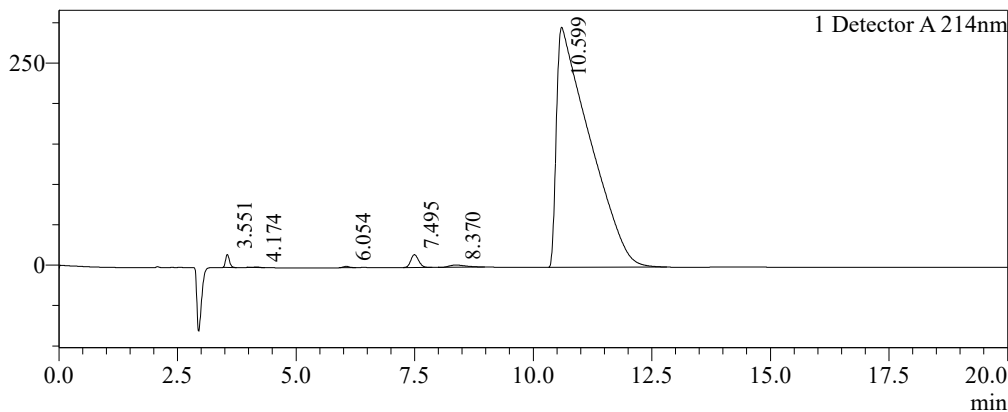


Sample Information

Order ID	:MTFA33322		
Name	:Cardiogen, Cat.#: 319695		
Sequence	:AEDR		
Lot. No	:MTFA33322-250915		
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%H ₂ O		
Inj. Volume	: 25ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	0.1
20.00	Pumps	B.Conc	0.1
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	0.1
50.00	Controller	Stop	

Chromatogram

mV

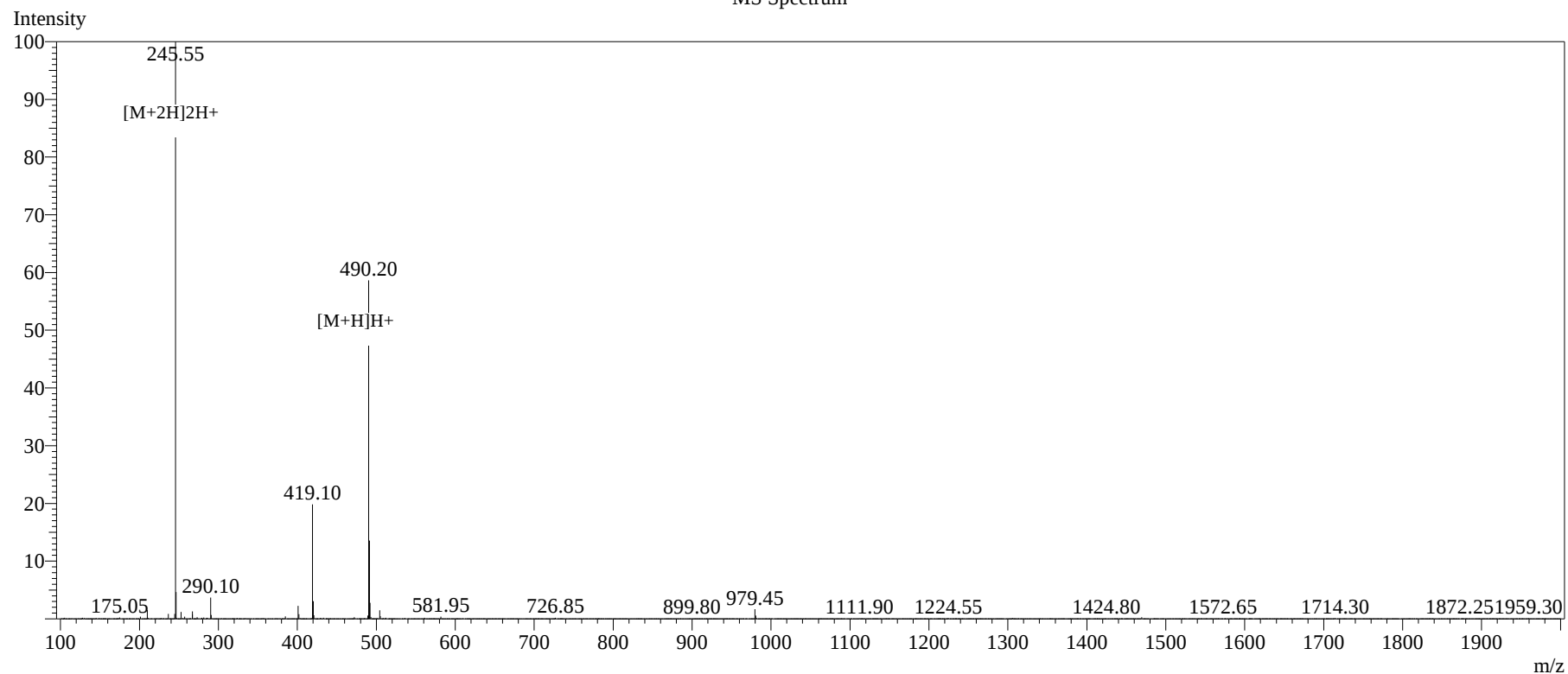


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	3.551	88329	15951	0.595
2	4.174	8086	873	0.054
3	6.054	14293	1633	0.096
4	7.495	183406	15957	1.236
5	8.370	69076	2780	0.466
6	10.599	14472956	296883	97.552
Total		14836145	334077	100.000

MS Spectrum



Sample Information

Dissolution method :15%ACN+85%H2O
 Date Acquired :2025/09/18 08:43:12
 Injection Volume :0.2ul
 Block Temp :200

Interface :ESI
 Nebulizing Gas Flow :1.50L/min
 CDL Temp :250°C
 CDL Volt :0v

Prerod Bias :+4.5kv
 Detector :-0.2kv
 T.Flow :0.2ml/min
 B.conc :50%H2O/50%MEOH

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 Observed :489.10