

CERTIFICATE OF ANALYSIS

Product Name	Moricin (D.plexippus), Cat.#: 314718
Lot No.	MTFA32378-0205
Sequence	KIPINAIRKGAKAVGHGLRALNIASTAHDIVSAFKHKKR
Dissolution condition	100%H ₂ O
Length	39AA
Modification	N/A
Molecular Weight (MW)	4188.95
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4189.85	Conforms
Purity by HPLC	>95%	95.660%
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	10mg	5.0mg*2

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:



Mar/07/2025

Quality Assurance Department



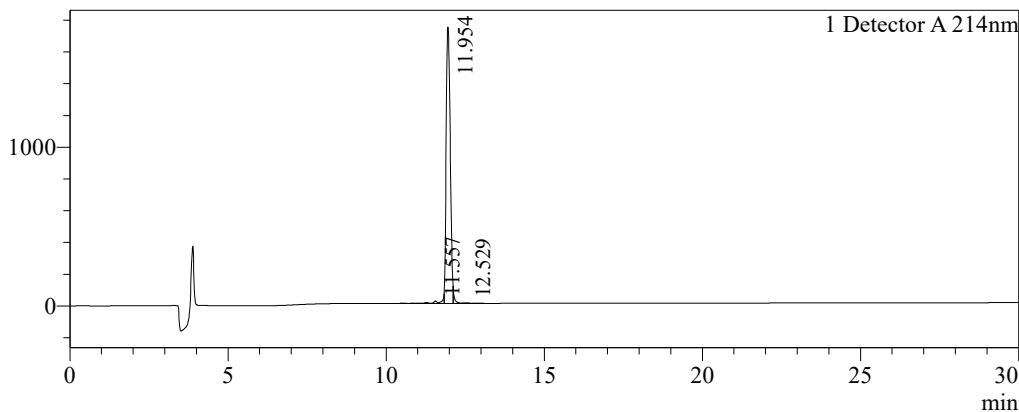
Sample Information

Order ID :MTFA32378
 Name :Moricin (D.plexippus)
 Sequence :KIPINAIIRKGAKAVGHGLRALNIASTAHDIVSAFKHKRR
 Lot. No :MTFA32378-0205
 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 : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

mV

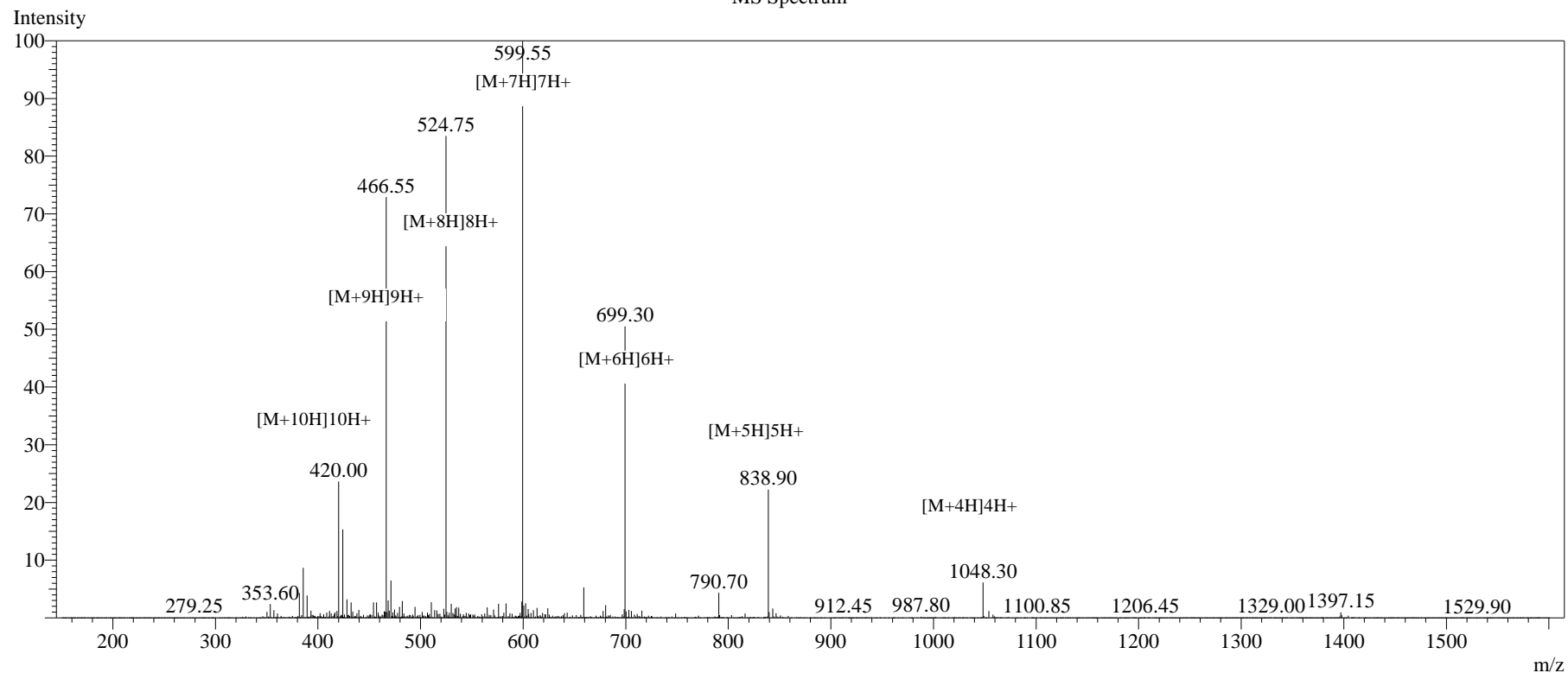


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.557	388230	14858	2.375
2	11.954	15637842	1738936	95.660
3	12.529	321294	4109	1.965
Total		16347367	1757902	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/03/07 14:37:31	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% ME OH

Order ID	:MTFA32378
Name	:Morcin (D.plexippus)
Sequence	:KIPINAIKKGAKAVGHGLRALNIASTAHDIVSAFKHKKR
Lot.No	:MTFA32378-0205
Theoretical	:4188.95
Observed	:4188.85