

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	ARA290, Cat.#: 319675 (TFA removed)
<b>Lot No.</b>	MTFA32657-0407
<b>Sequence</b>	{Pyr}-EQLERALNSS (Acetate Salt)
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	11AA
<b>Modification</b>	acetate salt
<b>Molecular Weight (MW)</b>	1257.31
<b>Storage</b>	-20°C

Test Items	Specifications	Results
MW by MS	1257.10	Conforms
Purity by HPLC	>95%	96.186%
TFA 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	1.59g	30.0mg*53

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

Apr/15/2025

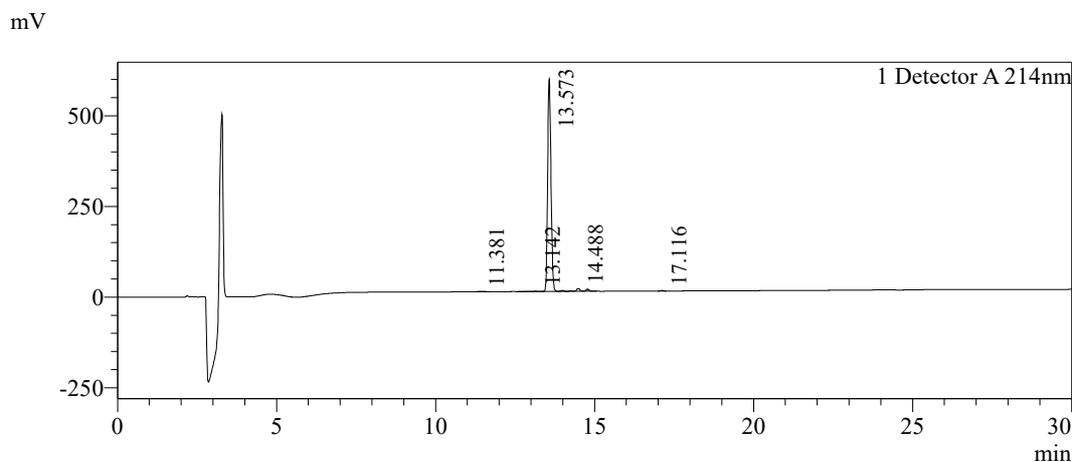


### Sample Information

Order ID :MTFA32657  
 Name :ARA290  
 Sequence :{Pyr}-EQLERALNSS (Acetate Salt)  
 Lot. No :MTFA32657-0407  
 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 : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	15
30.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

### Chromatogram

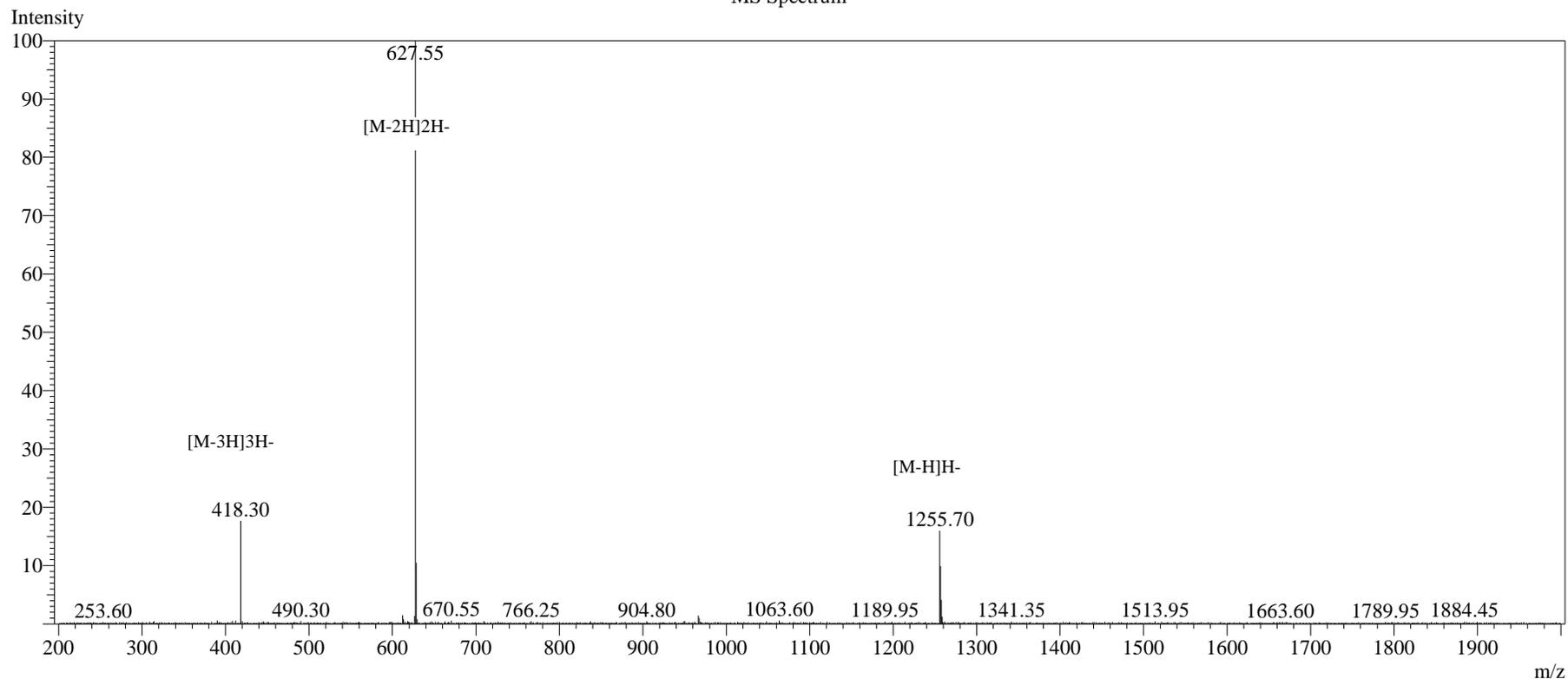


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.381	13837	1215	0.311
2	13.142	18914	1044	0.425
3	13.573	4283018	585237	96.186
4	14.488	125843	7879	2.826
5	17.116	11228	1673	0.252
Total		4452841	597048	100.000

### MS Spectrum



### Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/04/09 11:42:08	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 <sub>2</sub> O/50% MEOH

Order ID	:MTFA32657
Name	:ARA290
Sequence	:{Pyr}-EQLERALNSS (Acetate Salt)
Lot.No	:MTFA32657-0407
Theoretical	:1257.31
Observed	:1257.10