
CERTIFICATE OF ANALYSIS

Product Name	Fmoc-HAVDI (Cat.# 319718), TFA removed
Lot No.	MTFA33655-02-251128
Sequence	Fmoc-HAVDI (Acetate Salt)
Dissolution condition	15%ACN+85%H2O
Modification	acetate salt
Molecular Weight (MW)	775.85
Storage	-20°C

Test Items	Specifications	Results
MW by MS	775.40	Conforms
Purity by HPLC	>95%	99.455%
Endotoxin 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	20mg	5.0mg*4

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:



Jan/07/2026

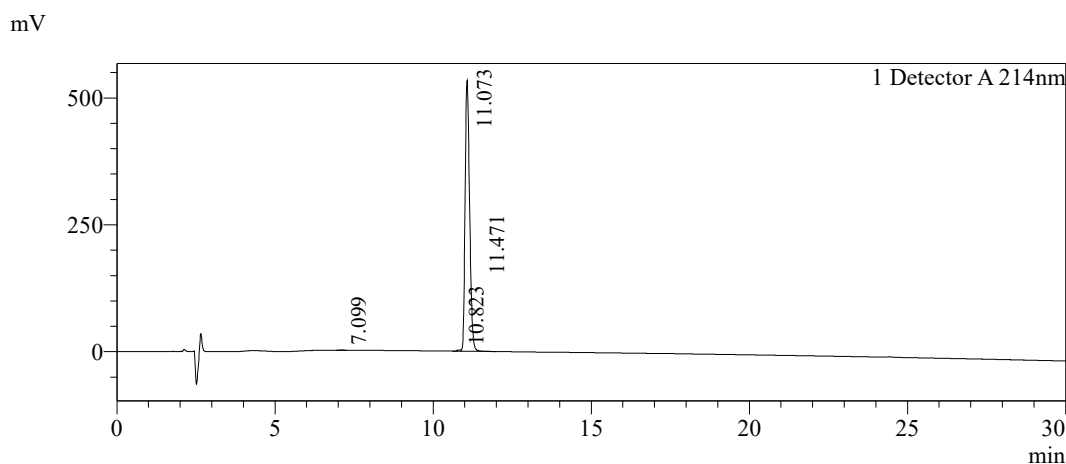
Quality Assurance Department



Sample Information

Order ID	:MTFA33655-02		
Name	:Fmoc-HAVDI (TFA removed)		
Sequence	:Fmoc-HAVDI (Acetate Salt)		
Lot. No	:MTFA33655-02-251128		
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	:15%ACN+85%H2O		
Inj. Volume	: 8ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	35
30.00	Pumps	B.Conc	65
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	35
50.00	Controller	Stop	

Chromatogram

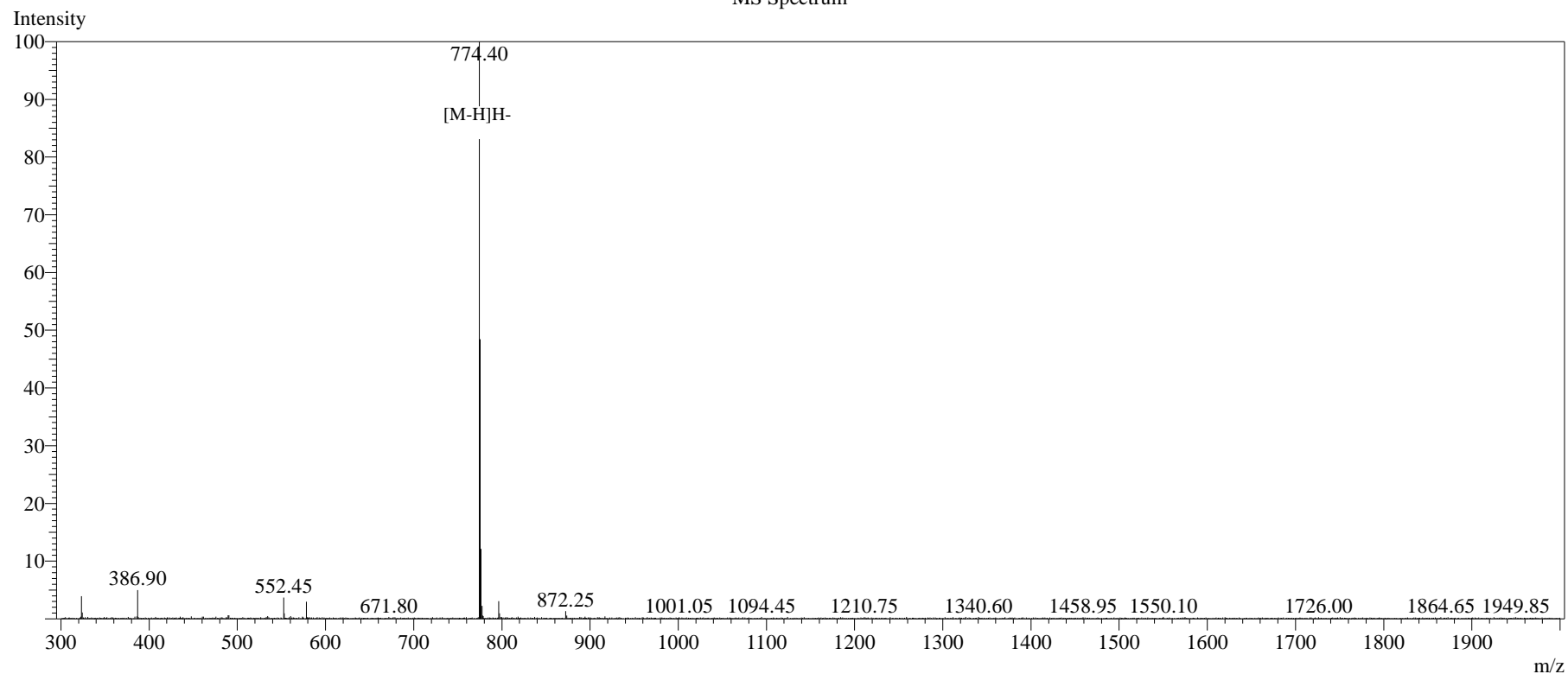


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	7.099	1765	223	0.033
2	10.823	20016	2645	0.376
3	11.073	5295052	533506	99.455
4	11.471	7236	958	0.136
Total		5324070	537332	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/12/18 13:06:34	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	:MTFA33655-02				
Name	:Fmoc-HAVDI (TFA removed)				
Sequence	:Fmoc-HAVDI (Acetate Salt)				
Lot.No	:MTFA33655-02-251128				
Theoretical	:775.85				
Observed	:775.40				