
CERTIFICATE OF ANALYSIS

Product Name	Casein kinase II substrate peptide, Cat.#: 303022 (TFA removed)
Lot No.	MTFA33303-250909
Sequence	RRRADDSDDDDD (Acetate Salt)
Dissolution condition	100%H ₂ O
Modification	acetate salt
Molecular Weight (MW)	1450.30
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1450.50	Conforms
Purity by HPLC	>95%	95.421%
Peptide Content	N/A	N/A
Water 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	5 mg	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:



Sep/13/2025

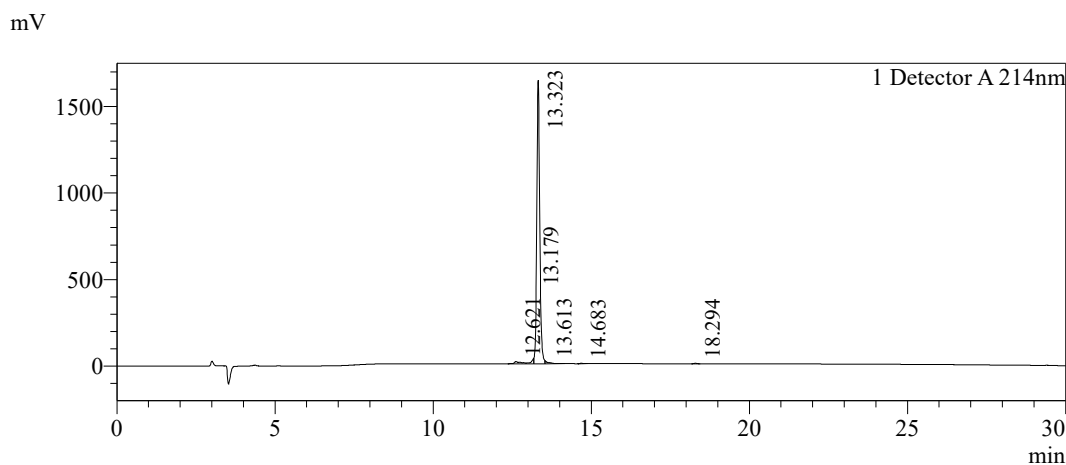
Quality Assurance Department



Sample Information

Order ID	:MTFA33033		
Name	:Casein kinase II substrate peptide		
Sequence	:RRRADDSDDDDD (Acetate Salt)		
Lot. No	:MTFA33303-250909		
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	: 30ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	0.1
30.00	Pumps	B.Conc	30
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	0.1
50.00	Controller	Stop	

Chromatogram

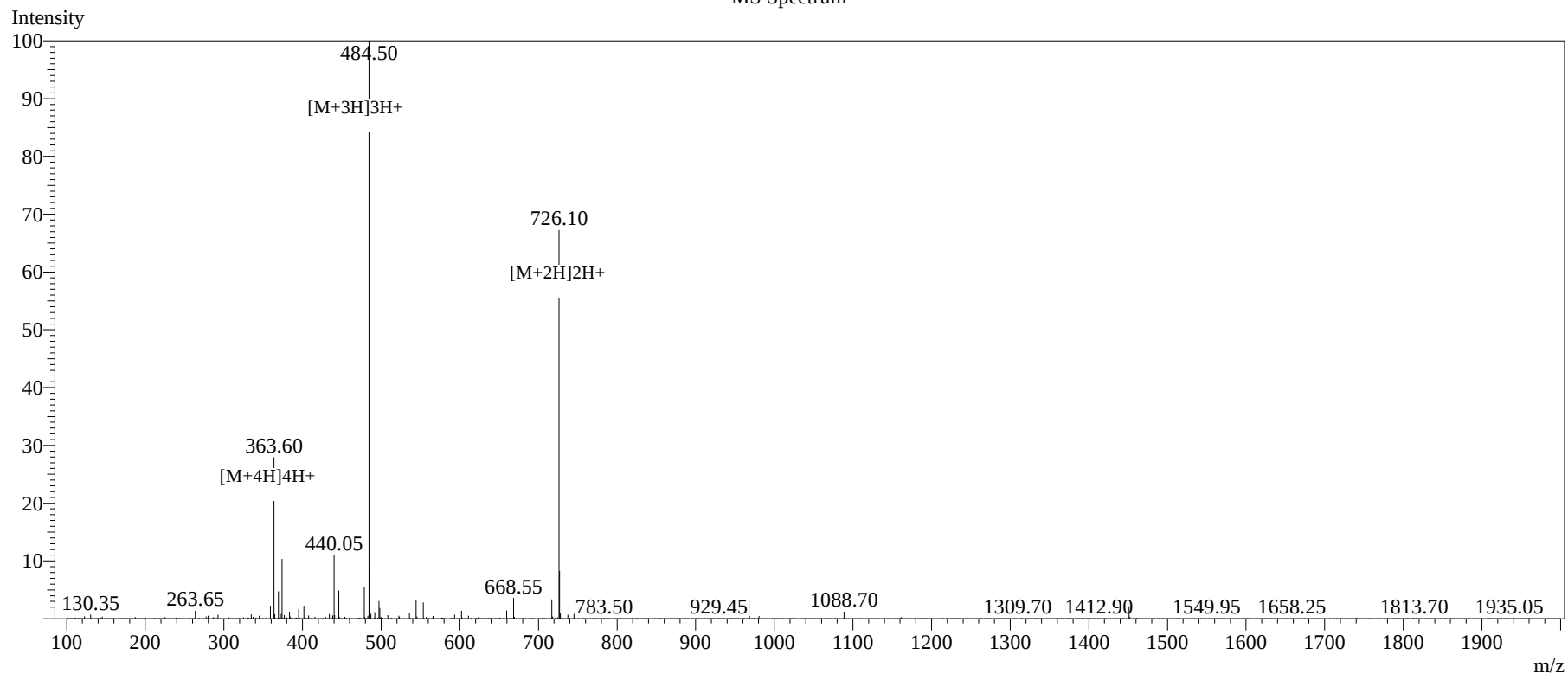


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.621	198857	13299	1.760
2	13.179	166860	30286	1.477
3	13.323	10779789	1637495	95.421
4	13.613	121248	7704	1.073
5	14.683	13581	2321	0.120
6	18.294	16768	2496	0.148
Total		11297102	1693601	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/09/13 08:11:40	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%H2O/50%MEOH
Order ID	:MTFA33033				
Name	:Casein kinase II substrate peptide				
Sequence	:RRRADDSDDDDD (Acetate Salt)				
Lot. No	:MTFA33303-250909				
Theoretical	:1450.30				
Observed	:1450.50				