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**CERTIFICATE OF ANALYSIS**


<b>Product Name</b>	Dermorphin 1, Cat.#: 307372 (TFA removed)
<b>Lot No.</b>	MTFB20848-260514
<b>Sequence</b>	YaFGYPK-NH2 (Acetate Salt)
<b>Dissolution condition</b>	100%H2O
<b>Modification</b>	Acetate Salt, a=D-Ala
<b>Molecular Weight (MW)</b>	843.96
<b>Storage</b>	-20°C

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<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	844.00	Conforms
<b>Purity by HPLC</b>	>95%	99.360%
<b>Endotoxin Content</b>	N/A	N/A
<b>TFA solubility</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Peptide content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	40 mg	5.0mg*8

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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

May/18/2026

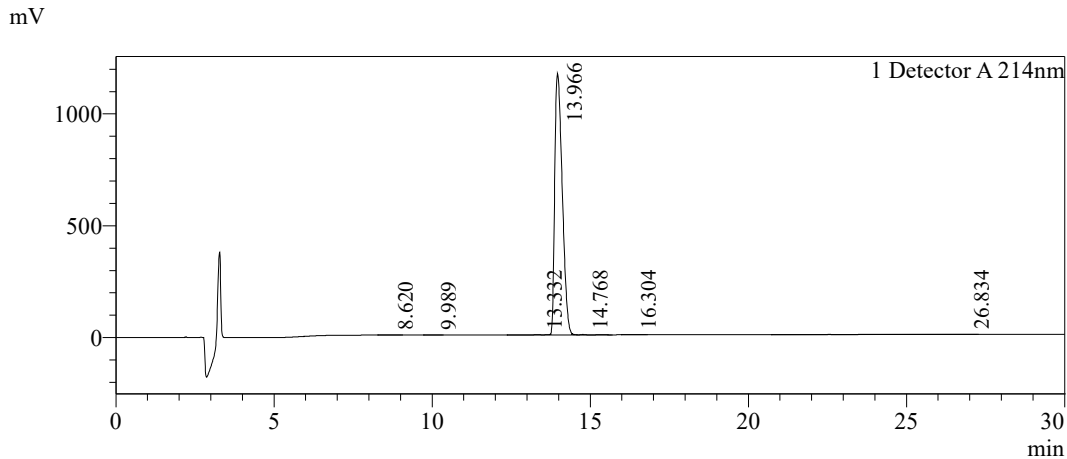


Sample Information

Order ID :MTFB20848  
 Name :Dermorphin 1, Cat.#: 307372 (TFA removed)  
 Sequence :YaFGYPK-NH2 (Acetate Salt)  
 Lot. No :MTFB20848-260514  
 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 : 15ul

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

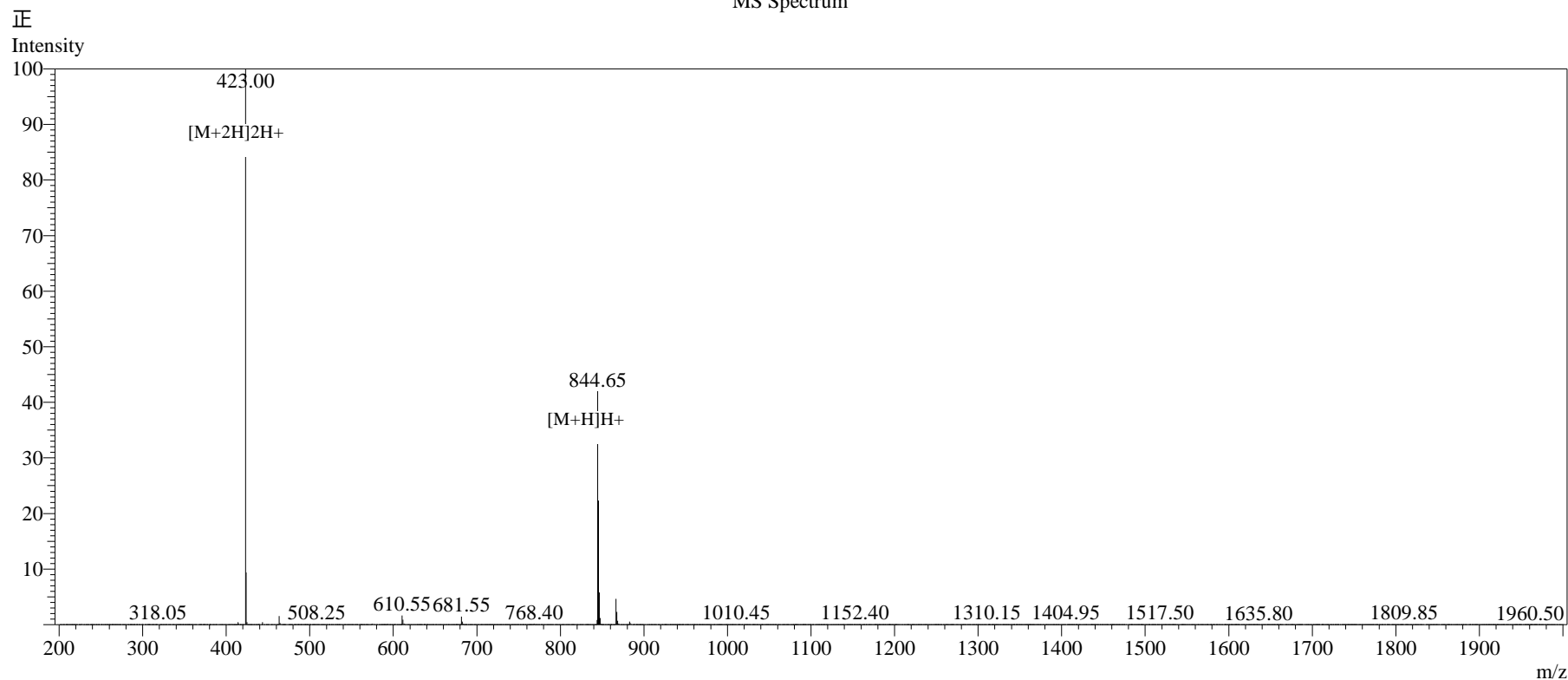


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	8.620	2308	167	0.012
2	9.989	4111	387	0.021
3	13.332	31837	783	0.163
4	13.966	19372693	1168481	99.360
5	14.768	33174	1701	0.170
6	16.304	3237	171	0.017
7	26.834	50144	670	0.257
Total		19497505	1172359	100.000

### MS Spectrum



### Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/05/15 11:16:04	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	:MTFB20848
Name	:Dermorphin 1, Cat.#: 307372 (TFA removed)
Sequence	:YaFGYPK-NH <sub>2</sub> (Acetate Salt)
Lot.No	:MTFB20848-260514
Theoretical	:843.96
Observed	:844.00