

CERTIFICATE OF ANALYSIS

Met-enkephalin Cat.#: 312480 (TFA removed) **Product Name**

MTFA30741-9-1127 Lot No.

YGGFM (Acetate Salt) Sequence

100%H2O **Dissolution condition**

5AA Length

acetate salt Modification

Molecular Weight (MW) 573.66

-20°C Storage

Test Items	Specifications	Results
MW by MS	573.45	Conforms
Purity by HPLC	>98%	98.035%
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	500mg	20.0mg*25
Quantity	500mg	20.0mg*25

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

Dec/26/2023



Sample Information

Order ID :MTFA30741-9 Name :Met-enkephalin

Sequence :YGGFM (Acetate Salt) Lot. No :MTFA30741-9-1127

Pump A :0.1% Trifluoroacetic in 100% water Pump B :0.1% Trifluoroacetic in 100% acetonitrile

Total Flow :1ml/min Wavelength :214nm

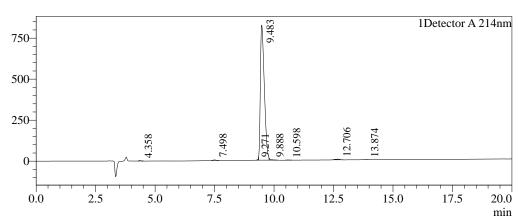
Analytial column type :Inertsil ODS-SP C18 (4.6*250mm*5um)

Dissolution method :100%H2O Inj. Volume :20ul

Time Module Value Action 0.01 Pumps B.Conc 15 20.00 Pumps B.Conc 35 33.00 Pumps B.Conc 100 38.00 B.Conc 100 Pumps 15 40.00 Pumps B.Conc 50.00 Controller Stop

Chromatogram

mV



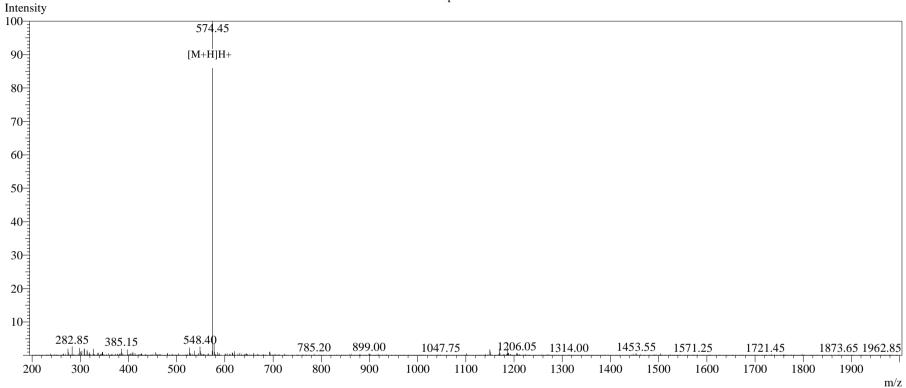
Peak Table

Detector	A_2	214	lnm
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Detector A 2	L '4 IIIII			
Peak#	Ret. Time	Area	Height	Area%
1	4.358	16736	3402	0.173
2	7.498	28837	3598	0.299
3	9.271	24338	129	0.252
4	9.483	9469235	824154	98.035
5	9.888	45654	2627	0.473
6	10.598	8226	1051	0.085
7	12.706	61675	4247	0.639
8	13.874	4379	500	0.045
Total		9659079	839707	100.000



MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/12/05 09:59:28	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 :MTFA30741-9
Name :Met-enkephalin
Sequence :YGGFM (Acetate Salt)
Lot.No :MTFA30741-9-1127
Theoretical :573.66

Observed :573.45