

CERTIFICATE OF ANALYSIS

Product Name Opiorphin (Cat.# 304579)

Lot No. MTFB20405-251222

Sequence QRFSR

Dissolution condition 100%H2O

Modification N/A

Molecular Weight (MW) 692.77

Storage -20°C

Test Items	Specifications	Results
MW by MS	692.80	Conforms
Purity by HPLC	>95%	95.753%
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: 
Quality Assurance Department

Dec/29/2025

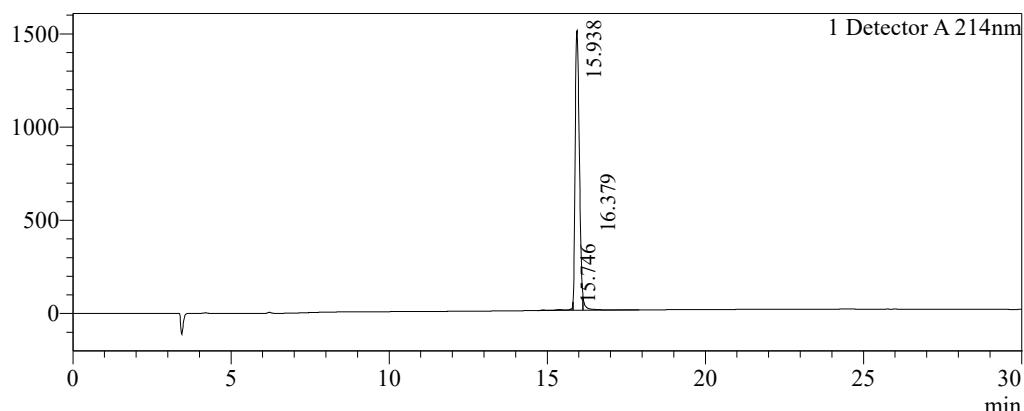


Sample Information

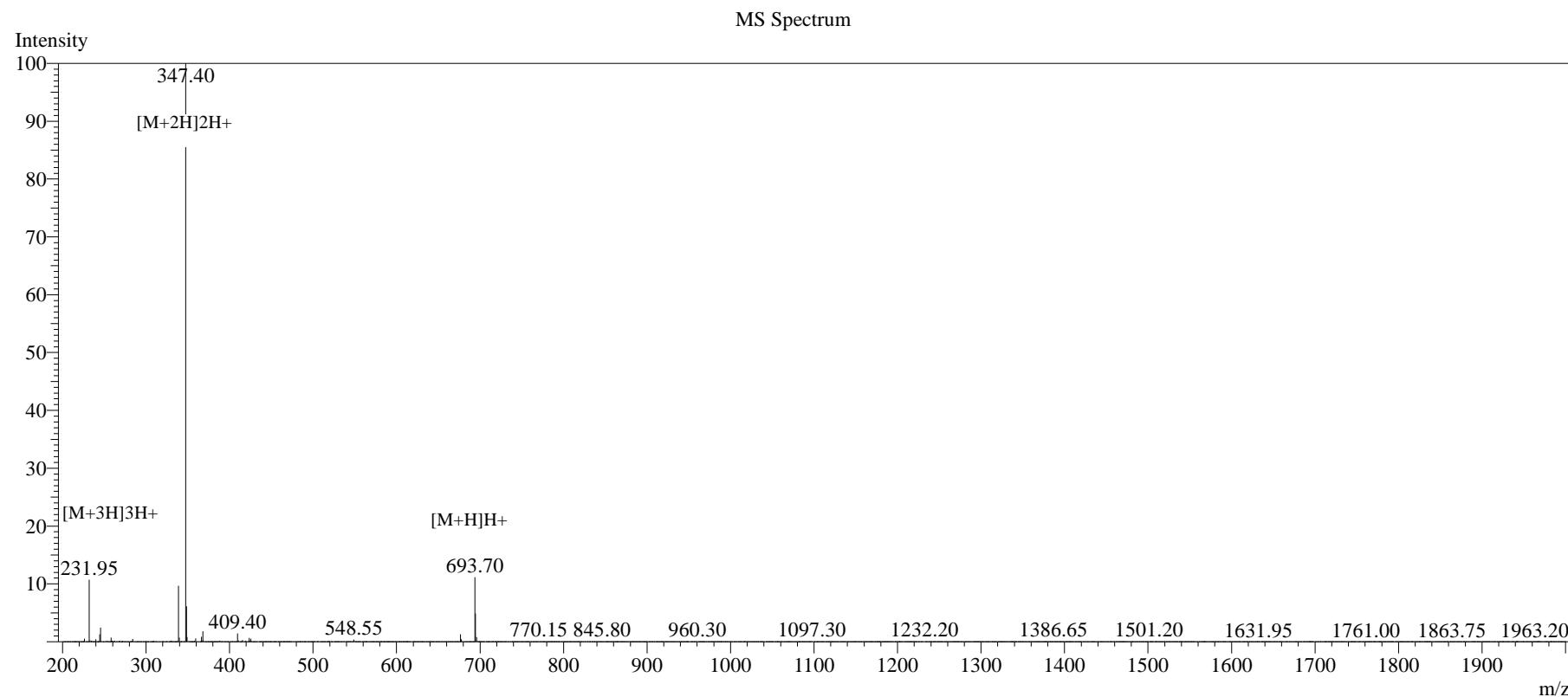
Order ID :MTFB20405
 Name :Opiorphin
 Sequence :QRFSR
 Lot. No :MTFB20405-251222
 Pump A :0.1%Trifluoroacetic in 100% water
 Pump B :0.1%Trifluoroacetic in 100% acetonitrile
 Total Flow :1ml/min
 Wavelength :214nm
 Analytical column type :Kromasil 100-5-C18 (4.6*250mm*5 μm)
 Dissolution method :100%H2O
 Inj. Volume : 30ul
 Time Module Action Value
 0.01 Pumps B.Conc 5
 30.00 Pumps B.Conc 35
 33.00 Pumps B.Conc 100
 38.00 Pumps B.Conc 100
 40.00 Pumps B.Conc 5
 50.00 Controller Stop

Chromatogram

mV


Peak Table
Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	15.746	219970	5883	1.517
2	15.938	13880661	1500559	95.753
3	16.379	395664	6061	2.729
Total		14496294	1512503	100.000



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/12/26 09:53:30	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	:MTFB20405
Name	:Opiorphin
Sequence	:QRFSR
Lot.No	:MTFB20405-251222
Theoretical	:692.77
Observed	:692.80