

CERTIFICATE OF ANALYSIS

Product Name	Bronchogen (TFA removed), Cat.#: 319697
Lot No.	MTFA32645-0407
Sequence	AEDL (Acetate Salt)
Dissolution condition	2%NH ₃ .H ₂ O+98%H ₂ O
Length	4AA
Modification	acetate salt
Molecular Weight (MW)	446.44
Storage	-20°C

Test Items	Specifications	Results
MW by MS	446.35	Conforms
Purity by HPLC	>95%	99.683%
TFA content	<1%	0.30%
Moisture content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	2g	50.0mg*40

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

Apr/25/2025

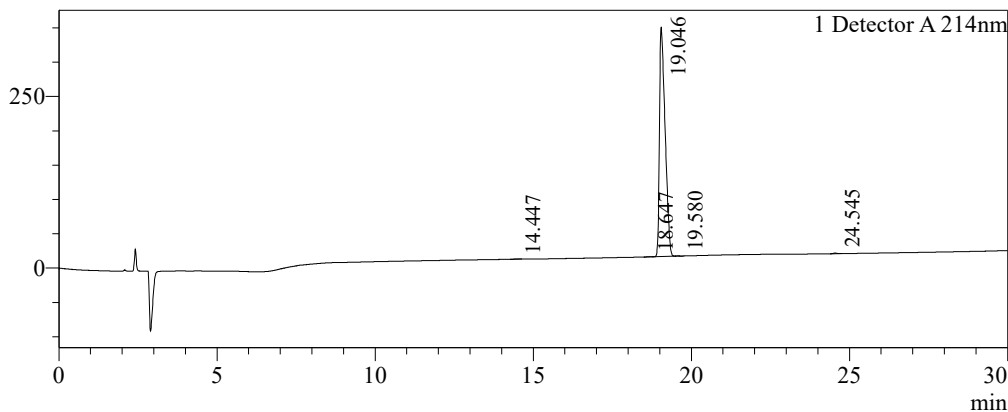


Sample Information

Order ID	:MTFA32645		
Name	:Bronchogen		
Sequence	:AEDL (Acetate Salt)		
Lot. No	:MTFA32645-0407		
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	:2%NH3.H2O+98%H2O		
Inj. Volume	: 25ul		
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

mV

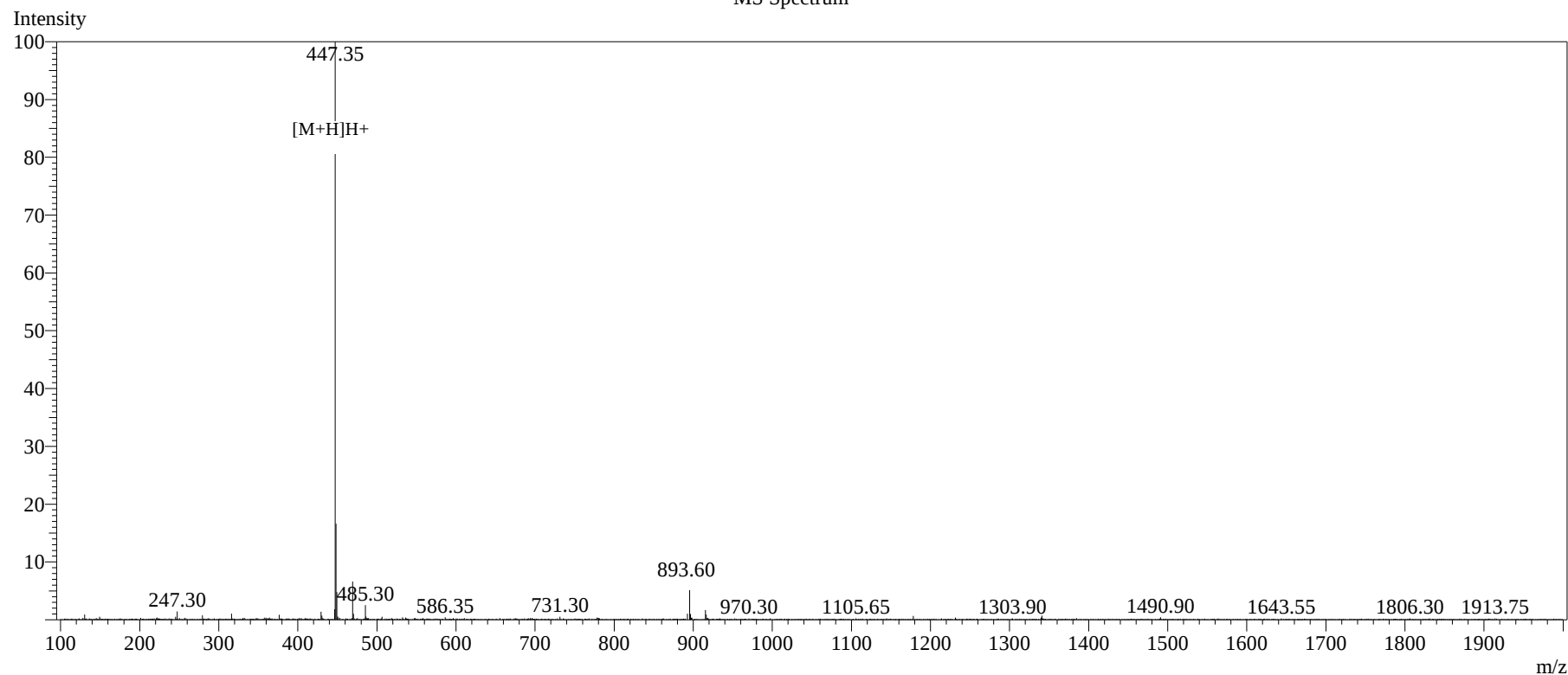


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.447	1931	222	0.046
2	18.647	1375	168	0.033
3	19.046	4170688	334064	99.683
4	19.580	3098	383	0.074
5	24.545	6879	906	0.164
Total		4183972	335743	100.000

MS Spectrum



Sample Information

Dissolution method	:2%NH ₃ .H ₂ O+98%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/04/18 13:12:06	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%MEOH

Order ID	:MTFA32645
Name	:Bronchogen
Sequence	:AEDL(Acetate Salt)
Lot.No	:MTFA32645-0407
Theoretical	:446.44
Observed	:446.35