

CERTIFICATE OF ANALYSIS

Product Name	Bronchogen (TFA removed), Cat.#: 319697
Lot No.	MTFA32645-0407
Sequence	AEDL (Acetate Salt)
Dissolution condition	100%H2O
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

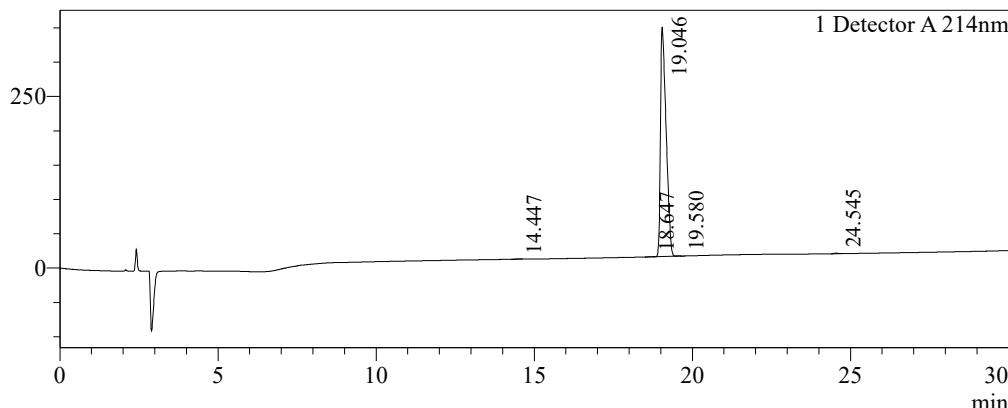


Sample Information

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 μ m)
 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

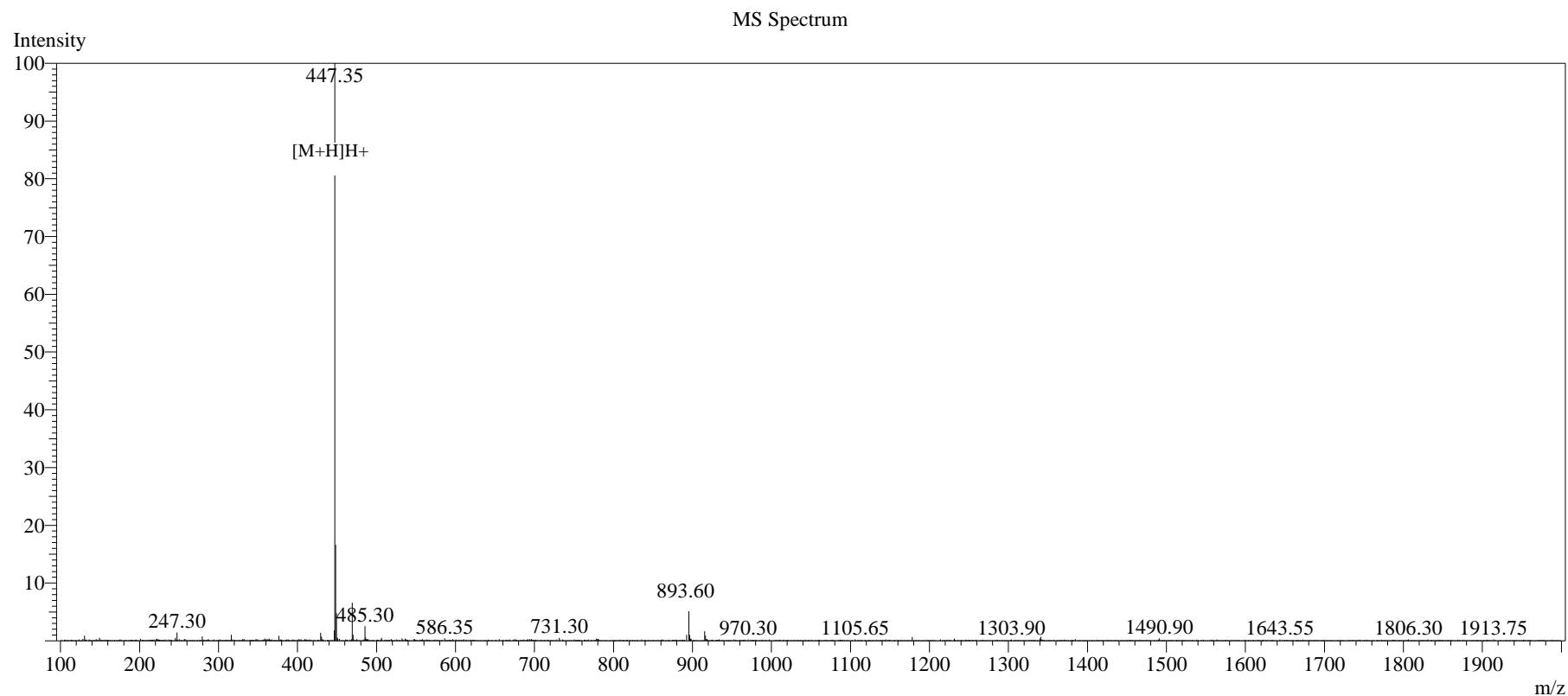
mV



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



Sample Information

Dissolution method	:2%NH3.H2O+98%H2O	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%H2O/50%MEOH

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