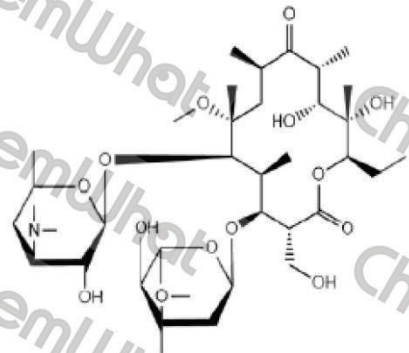
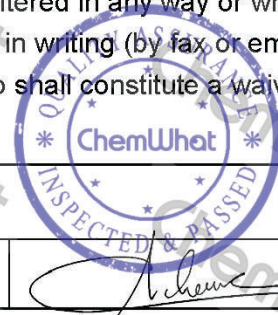



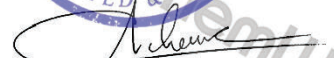
TECHNICAL DATA SHEET (TDS)

PRODUCT NAME	Clarithromycin EP Impurity A	
PRODUCT NUMBER	1408610	
CAS NUMBER	124412-58-4	
MOLECULAR FORMULA	C ₃₈ H ₆₉ NO ₁₄	
MOLECULAR WEIGHT	763.96	
STANDARD	Enterprise Standard	

TEST ITEMS	SPECIFICATIONS
APPEARANCE	White Solid
MS	Conform to structure
NMR	Conform to structure
PURITY	≥95%
STORAGE	Store at -20 °C for long time, sealed and away from light.

"ChemWhat" has been acquired by Watson and is now acting as a sub-brand under Watson International. WATSON INTERNATIONAL 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. WATSON'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 or which has been misused or damaged by accident or negligence. All claims must be received in 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.



ANALYZER		SUPERVISOR	
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Simple synthetic route

Mother liquor enrichment, LCMS preparative separation

Chromatographic conditions

Mode: Liquid Chromatography

Mobile phase: PBS: ACN (600:400)

Column: Octadecylsilyl silica gel for chromatography R (C18, 4.6 × 250mm, 5µm)

Detector: 210nm

Flow rate: 1.0 mL/min

Column temperature: 45°C

Result: The HPLC diagram is shown in the attached drawing, and the area normalization method is used to calculate the purity of this product is 100.00%.



单次进样报告



数据文件:

序列名称:

39408-00

样品名称:

124412-58-4

仪器:

001

进样体积:

10.000

采集方法:

克拉霉素.amx

处理方法:

GC.LC
面积百分比.DefaultMethod.pmx

手动修改:

无

项目名称:

克林霉素磷酸酯

操作者:

进样日期:

位置:

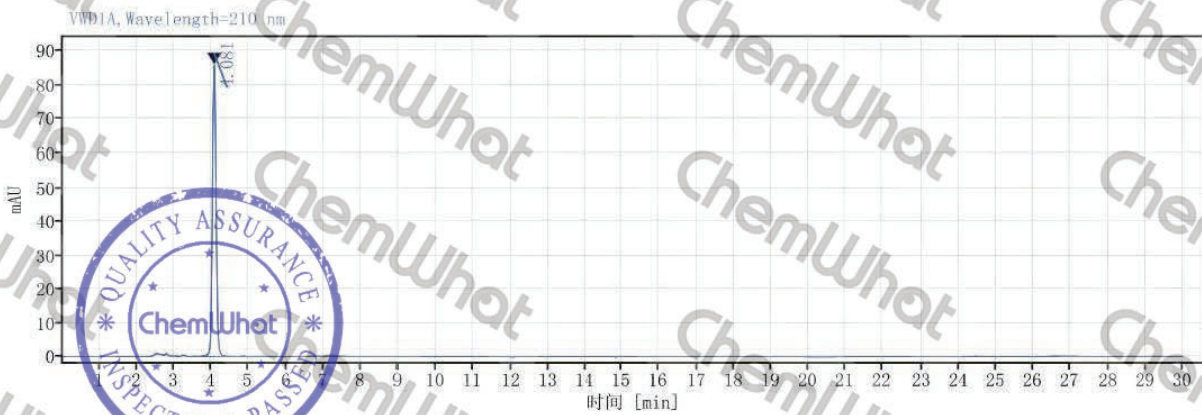
P2-E2

类型:

样品

样品含量:

0.00



信号:

VWD1A, Wavelength=210 nm

保留时间 [min]	类型	峰宽 [min]	峰面积	峰高	峰面积%	名称
4.081	BB	1.12	586.95	85.98	100.00	
总和			586.95			

单次进样报告



数据文件:

序列名称:

39+08-00

样品名称:

空白

仪器:

001

进样体积:

10.000

采集方法:

克拉霉素.amx

处理方法:

GC/LC
面积百分比_DefaultMethod.pmx

手动修改:

无

项目名称:

克林霉素磷酸酯

操作者:

进样日期:

位置:

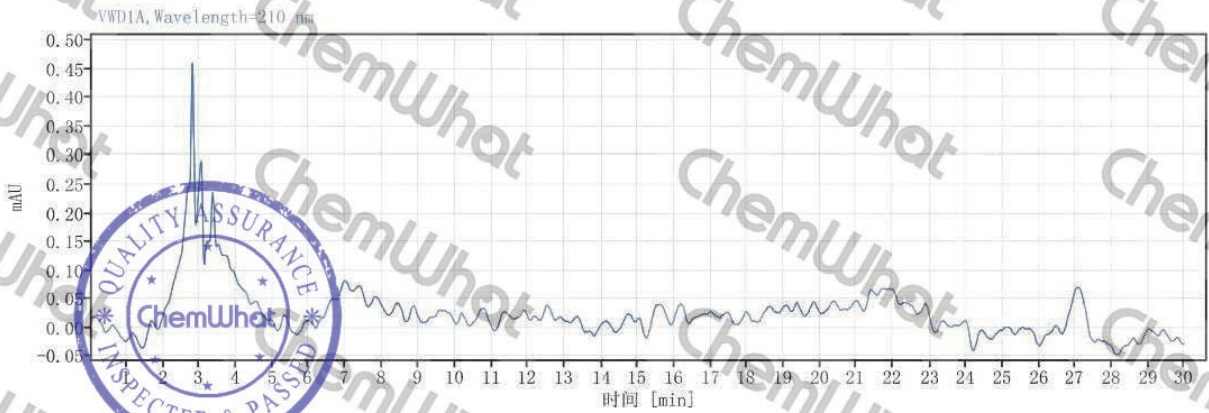
P2-E1

类型:

样品

样品含量:

0.00



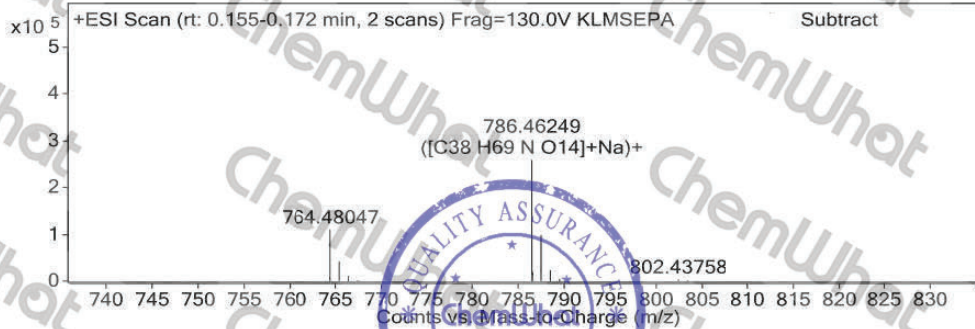
Qualitative Analysis Report

Data Filename	KLM-A	Sample Name	KLM-A
Sample Type	Sample	Position	Vial 73
Instrument Name	Instrument 1	User Name	
Acq Method	method-POS1.m	Acquired Time	
IRM Calibration Status	Success	DA Method	QualDAMethod.m
Comment			

Sample Group		Info.	
Stream Name	LC 1	Acquisition SW	6200 series TOF/6500 series
		Version	Q-TOF B.06.01 (B6157)

User Spectra

Fragmentor Voltage	Collision Energy	Ionization Mode
130	0	ESI



Peak List

m/z	z	Abund	Formula	Ion
360.32451	1	13909.77		
437.19502	1	3966.29		
764.48047	1	109785.79		
765.4845	1	41699.51		
766.48708	1	11005.51		
786.46249	1	259090.44	C38 H69 N O14	(M+Na)+
786.54226		19944.39		
787.46586	1	97868.33	C38 H69 N O14	(M+Na)+
788.46914	1	23127.26	C38 H69 N O14	(M+Na)+
789.47124	1	4774.86	C38 H69 N O14	(M+Na)+

Formula Calculator Element Limits

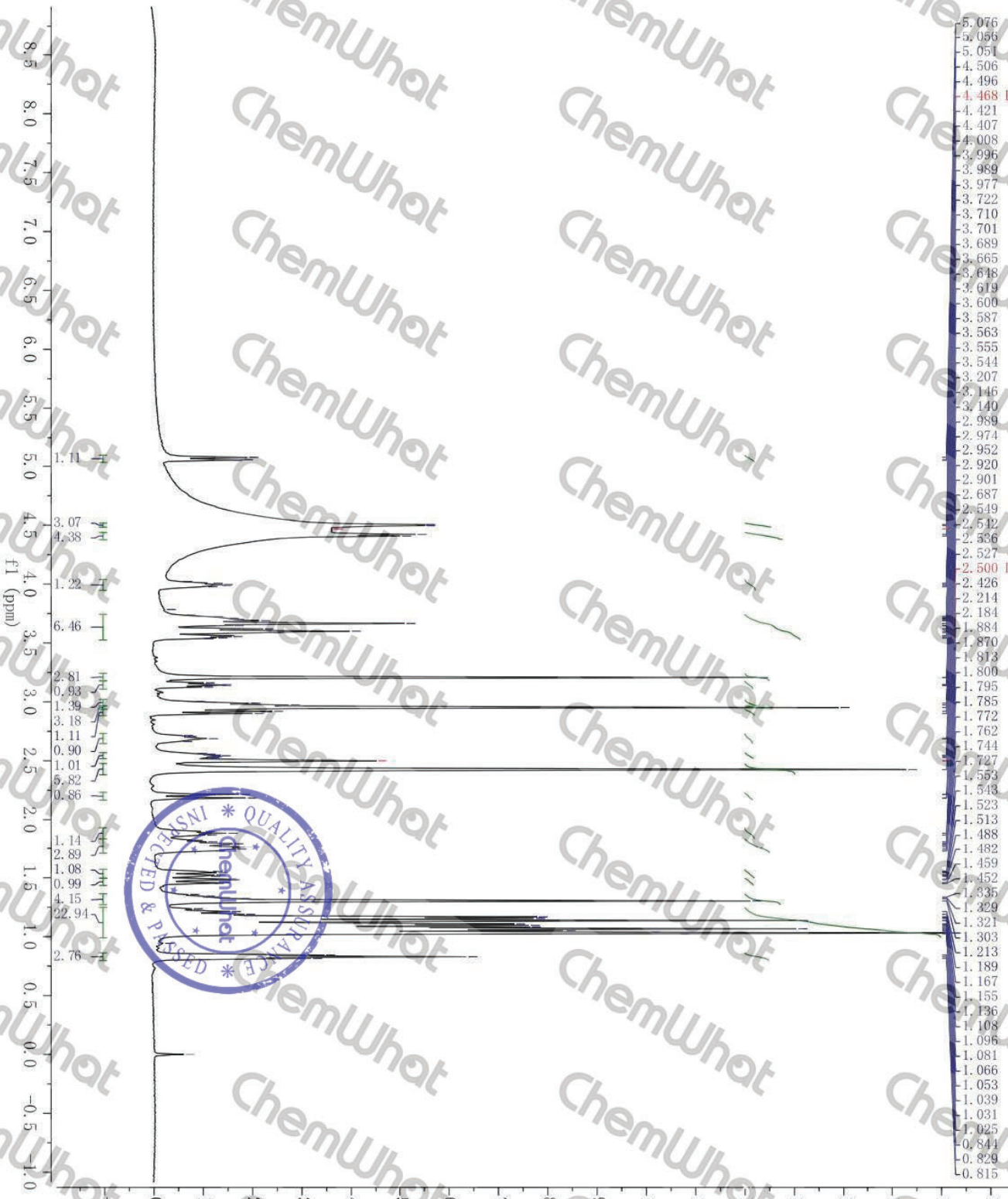
Element	Min	Max
C	28	48
H	59	79
O	13	15
N	0	2

Formula Calculator Results

Formula	Best	Mass	Tgt Mass	Diff (ppm)	Ion Species	CalculatedMz
C38 H69 N O14	TRUE	763.4733	763.4718	-1.96	C38 H69 N NaO14	786.46103

--- End Of Report ---

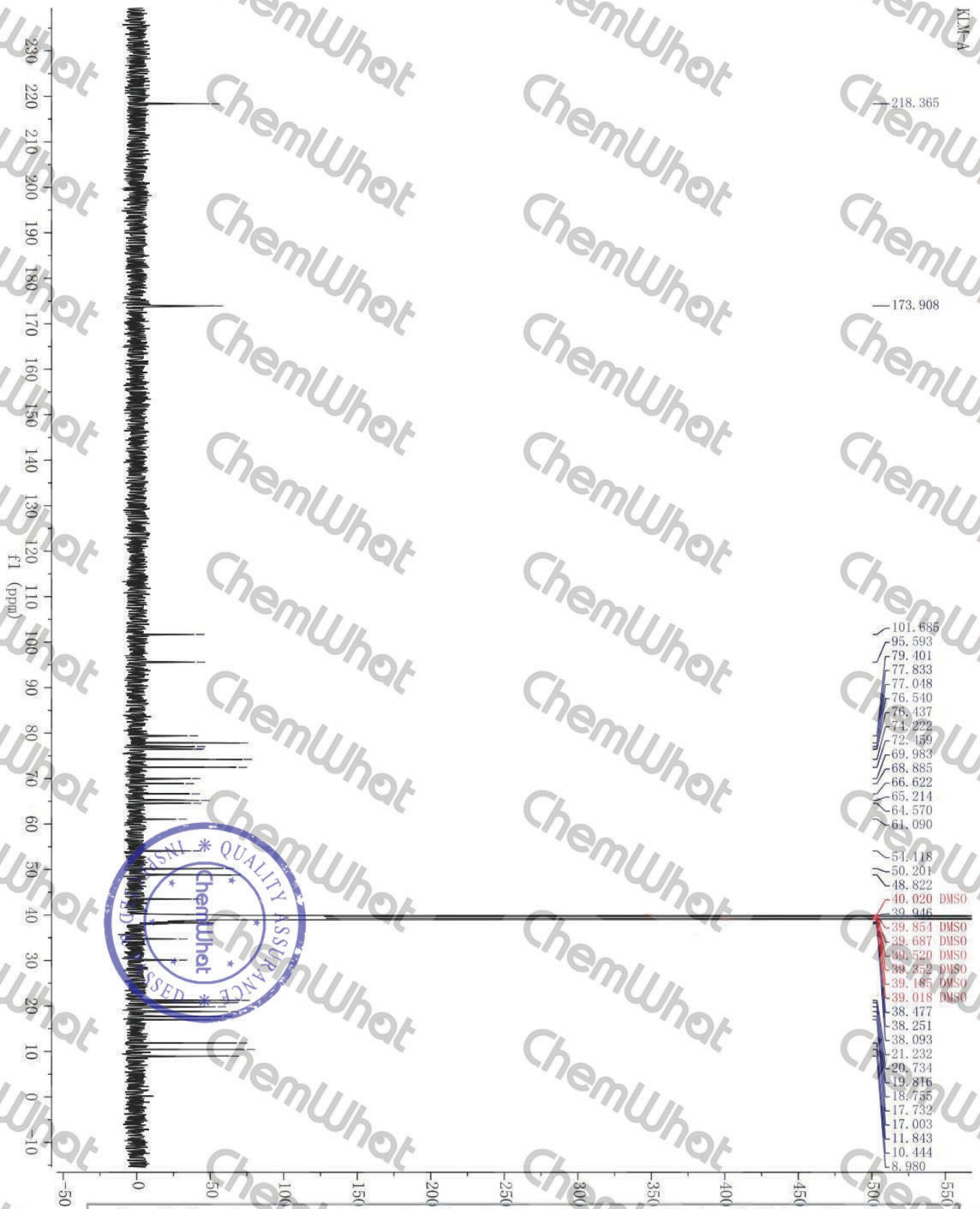
KLM-A



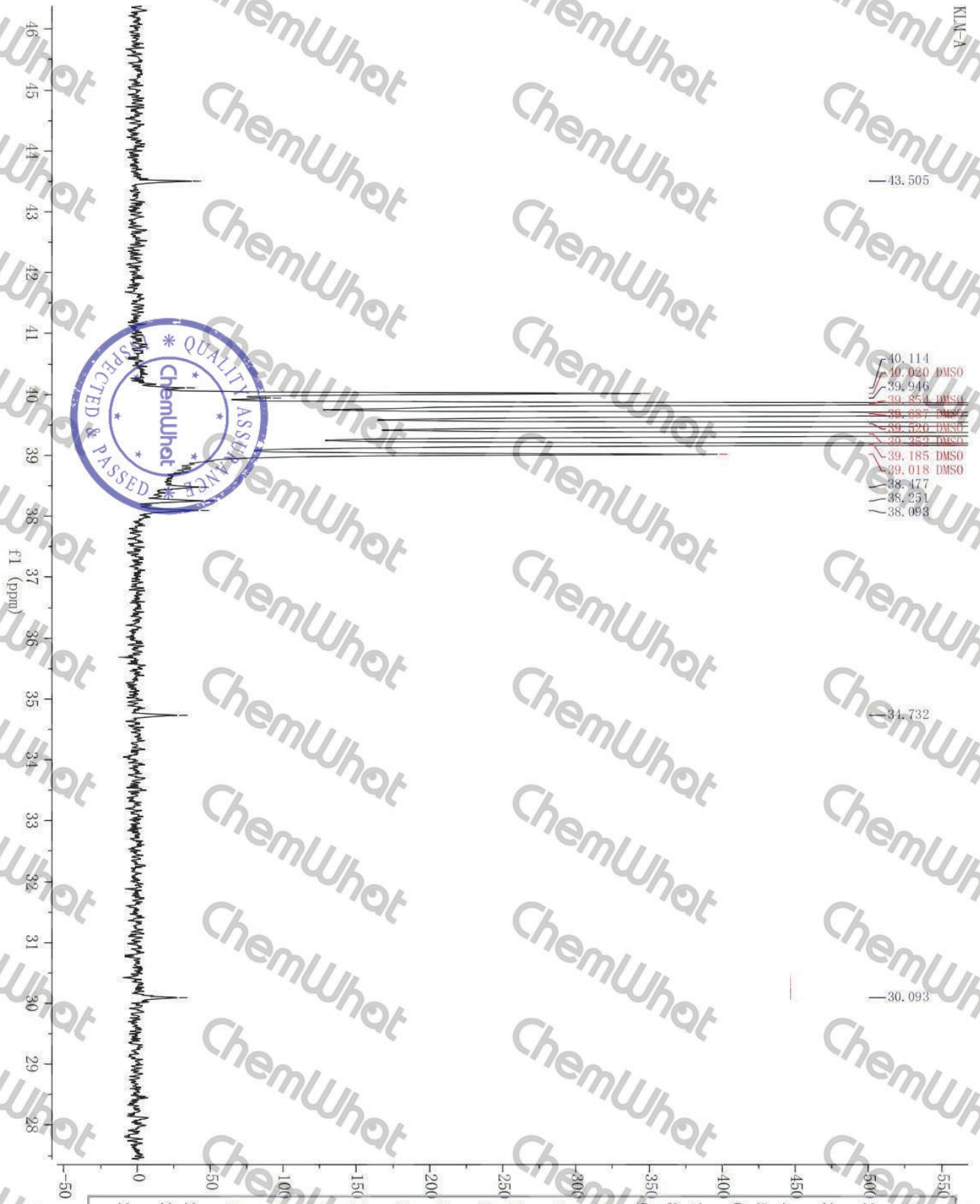
- 5.076
- 5.056
- 5.051
- 4.506
- 4.496
- 4.468 H₂O
- 4.421
- 4.407
- 4.008
- 3.996
- 3.989
- 3.977
- 3.722
- 3.710
- 3.701
- 3.689
- 3.665
- 3.648
- 3.619
- 3.600
- 3.587
- 3.563
- 3.555
- 3.544
- 3.207
- 3.146
- 3.140
- 2.989
- 2.974
- 2.952
- 2.920
- 2.901
- 2.687
- 2.549
- 2.512
- 2.536
- 2.527
- 2.500 DMSO
- 2.426
- 2.214
- 2.184
- 1.884
- 1.870
- 1.813
- 1.800
- 1.795
- 1.785
- 1.772
- 1.762
- 1.744
- 1.727
- 1.553
- 1.543
- 1.523
- 1.513
- 1.488
- 1.482
- 1.459
- 1.452
- 1.335
- 1.329
- 1.321
- 1.303
- 1.213
- 1.189
- 1.167
- 1.155
- 1.136
- 1.108
- 1.096
- 1.081
- 1.066
- 1.053
- 1.039
- 1.031
- 1.025
- 0.841
- 0.829
- 0.815



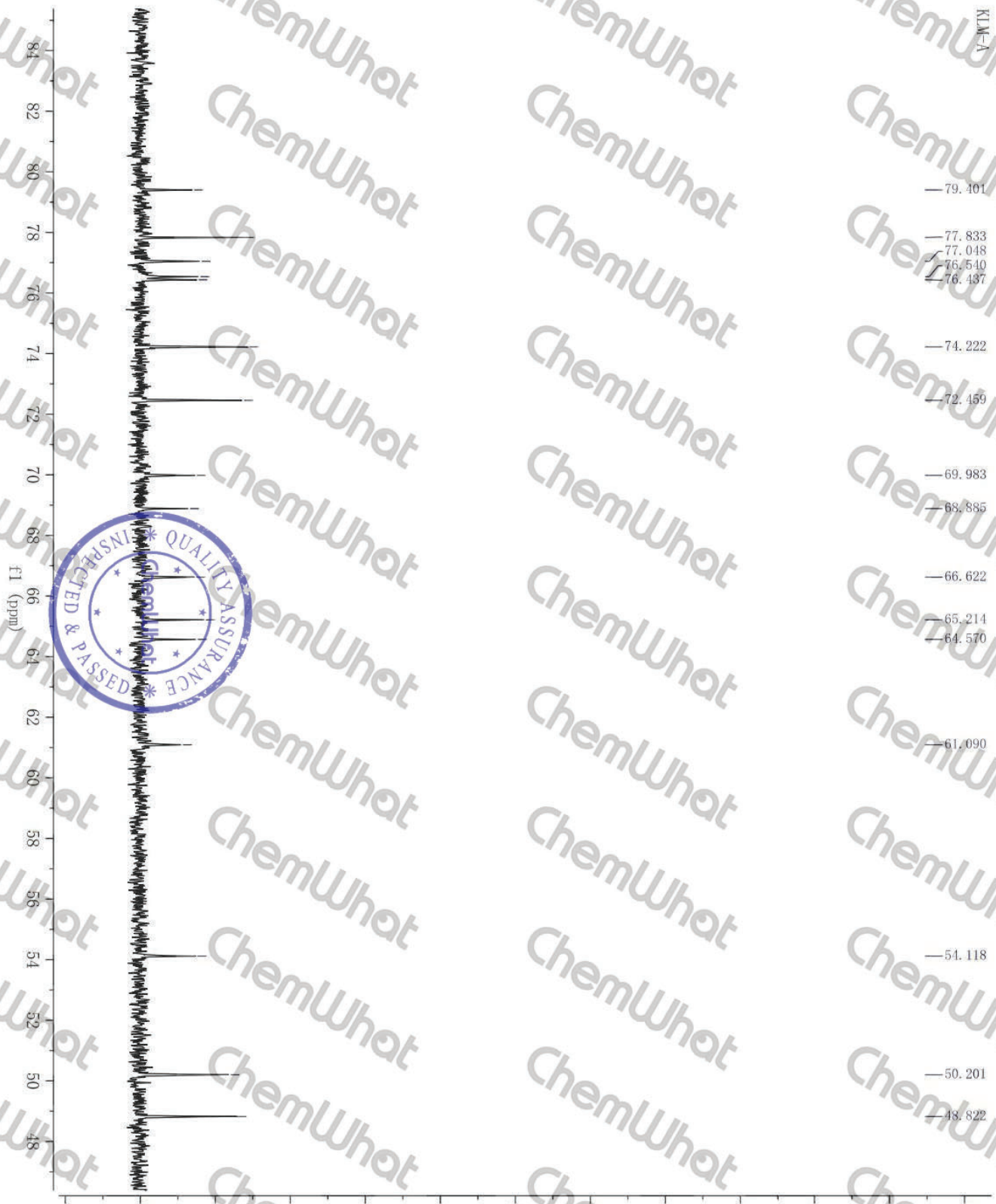
Parameter	值
1 标题	180316-YJ
2 Origin	10.fid
3 Instrument	NMR Software
4 Team	Team
5 Solvent	WMR-1-500MHz
6 Temperature	DMSO
7 Pulse Sequence	303.1
8 Experiment	slpul
9 Probe	ID
10 Number of Scans	15
11 Receiver Gain	30.0
12 Relaxation Delay	
13 Pulse Width	
14 Presaturation Frequency	
15 Acquisition Time	1.0000
16 Acquisition Date	34:52
17 Modification Date	50:00
18 Spectrometer Frequency	500.13
19 Spectral Width	5000.0
20 Lowest Frequency	541.9
21 Nucleus	¹ H
22 Acquired Size	5000
23 Spectral Size	65536



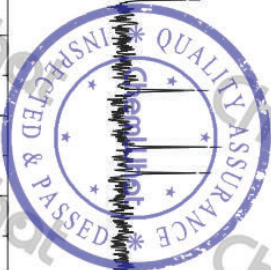
Parameter	Value
1 标题	180316-y.j.
2 Origin	11. f1d
3 Instrument	NMR-Team
4 Solvent	DMSO
5 Temperature	303.1
6 Pulse Sequence	slpul
7 Experiment	ID
8 Probe	
9 Number of Scans	3123
10 Receiver Gain	35.0
11 Relaxation Delay	
12 Pulse Width	
13 Presaturation Frequency	
14 Acquisition Time	0.9999
15 Acquisition Date	
16 Modification Date	
17 Spectrometer	125.77
18 Spectral Width	32054.5
19 Lowest Frequency	-1945.2
20 Nucleus	¹³ C
21 Acquired Size	32049
22 Spectral Size	65536



Parameter	值
1 标题	180316-VJ
2 Origin	11.fid
3 Instrument	MNR Software Team
4 Solvent	WVMR-I-500MHz
5 Temperature	DMSO
6 Pulse	303.1
7 Sequence	slpul
8 Experiment ID	
9 Probe	
10 Number of Scans	3123
11 Receiver Gain	35.0
12 Relaxation Delay	
13 Pulse Width	
14 Presaturation Frequency	
15 Acquisition Time	0.9999
16 Modification Date	
17 Spectrometer	125.77
18 Frequency	
19 Spectral Width	32054.5
20 Lowest Frequency	-1945.2
21 Nucleus	13C
22 Acquired Size	32049
23 Spectral Size	65536

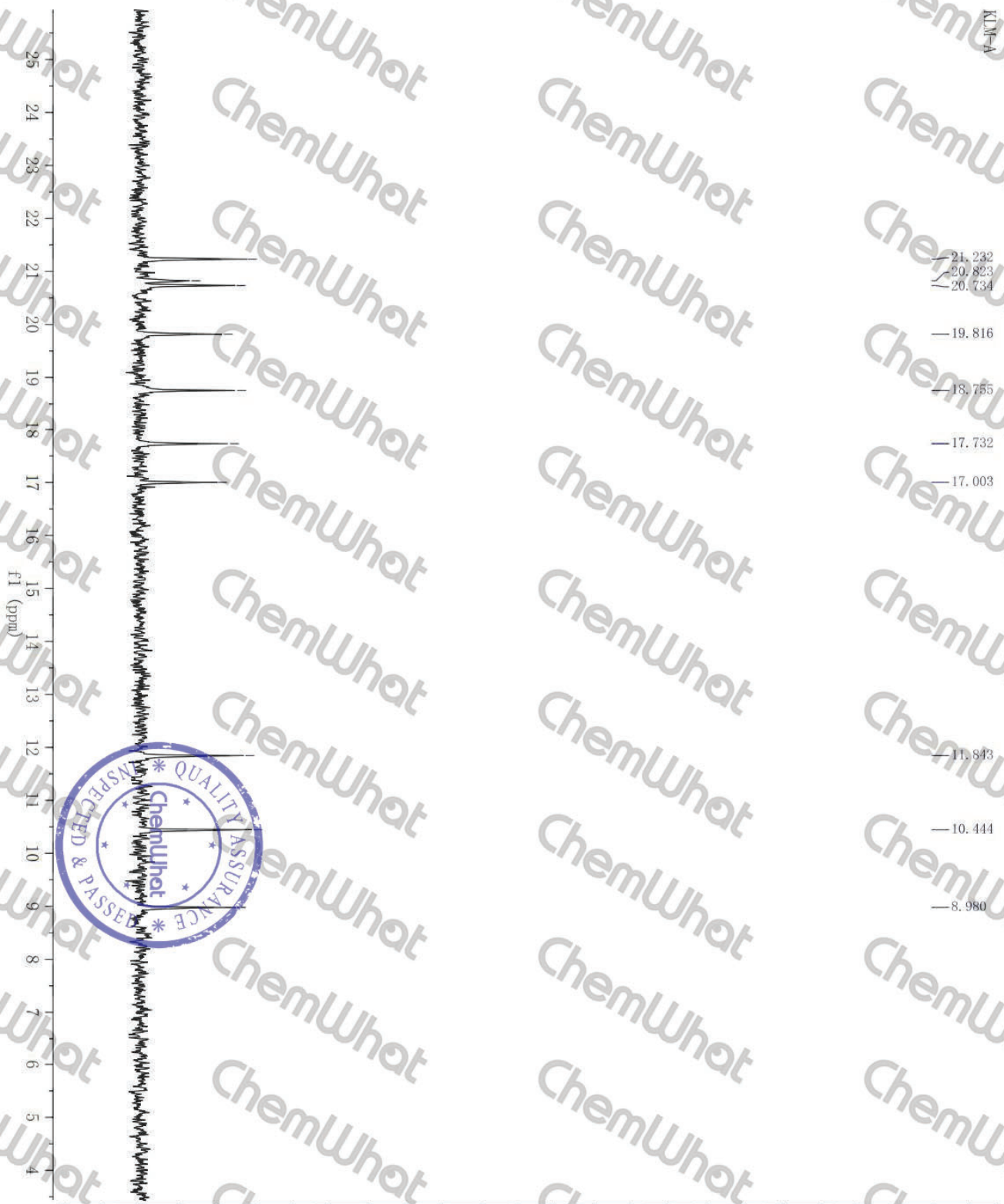


- 79.401
- 77.833
- 77.048
- 76.540
- 76.437
- 74.222
- 72.459
- 69.983
- 68.885
- 66.622
- 65.214
- 64.570
- 61.090
- 54.118
- 50.201
- 48.822



Parameter	值
1 标题	180316-y.j
2 Origin	11. fid
3 Instrument	MNR Software Team WNMN-1-500MHz
4 Solvent	DMSO
5 Temperature	303.1
6 Pulse	slpul
7 Experiment	Sequence
8 Probe	ID
9 Number of Scans	3123
10 Receiver	35.0
11 Relaxation Delay	
12 Pulse Width	
13 Presaturation Frequency	
14 Acquisition Time	0.9999
15 Acquisition Date	
16 Modification Date	
17 Spectrometer	125.77
18 Spectral Width	32054.5
19 Lowest Frequency	-1945.2
20 Nucleus	13C
21 Acquired Size	32049
22 Spectral Size	65536

KLM-A



- 21.232
- 20.823
- 20.734
- 19.816
- 18.755
- 17.732
- 17.003
- 11.843
- 10.444
- 8.980

Parameter	值
1 标题	180316-y.j.
2 Origin	11. fid
3 Instrument	NMR Software Team
4 Solvent	WMMR-1-500MHz
5 Temperature	DMSO
6 Pulse Sequence	303.1 sIpul
7 Experiment ID	
8 Probe	
9 Number of Scans	3128
10 Receiver Gain	35.0
11 Relaxation Delay	
12 Pulse Width	
13 Presaturation Frequency	
14 Acquisition Time	0.9999
15 Acquisition Date	
16 Modification Date	
17 Spectrometer	125.77
18 Spectral Width	32054.5
19 Lowest Frequency	-1945.2
20 Nucleus	13C
21 Acquired Size	32049
22 Spectral Size	65536