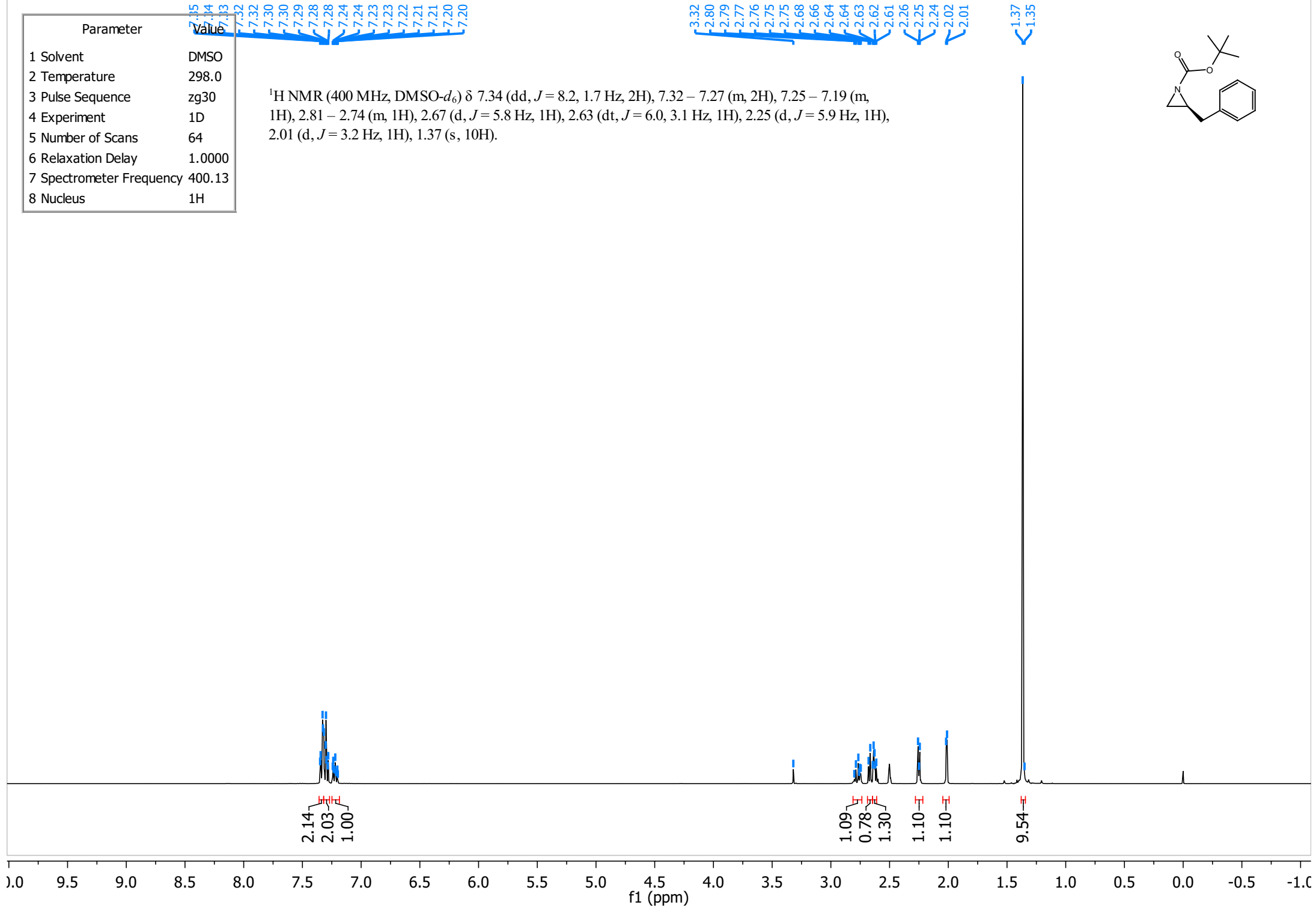
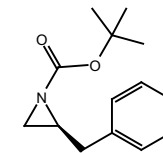


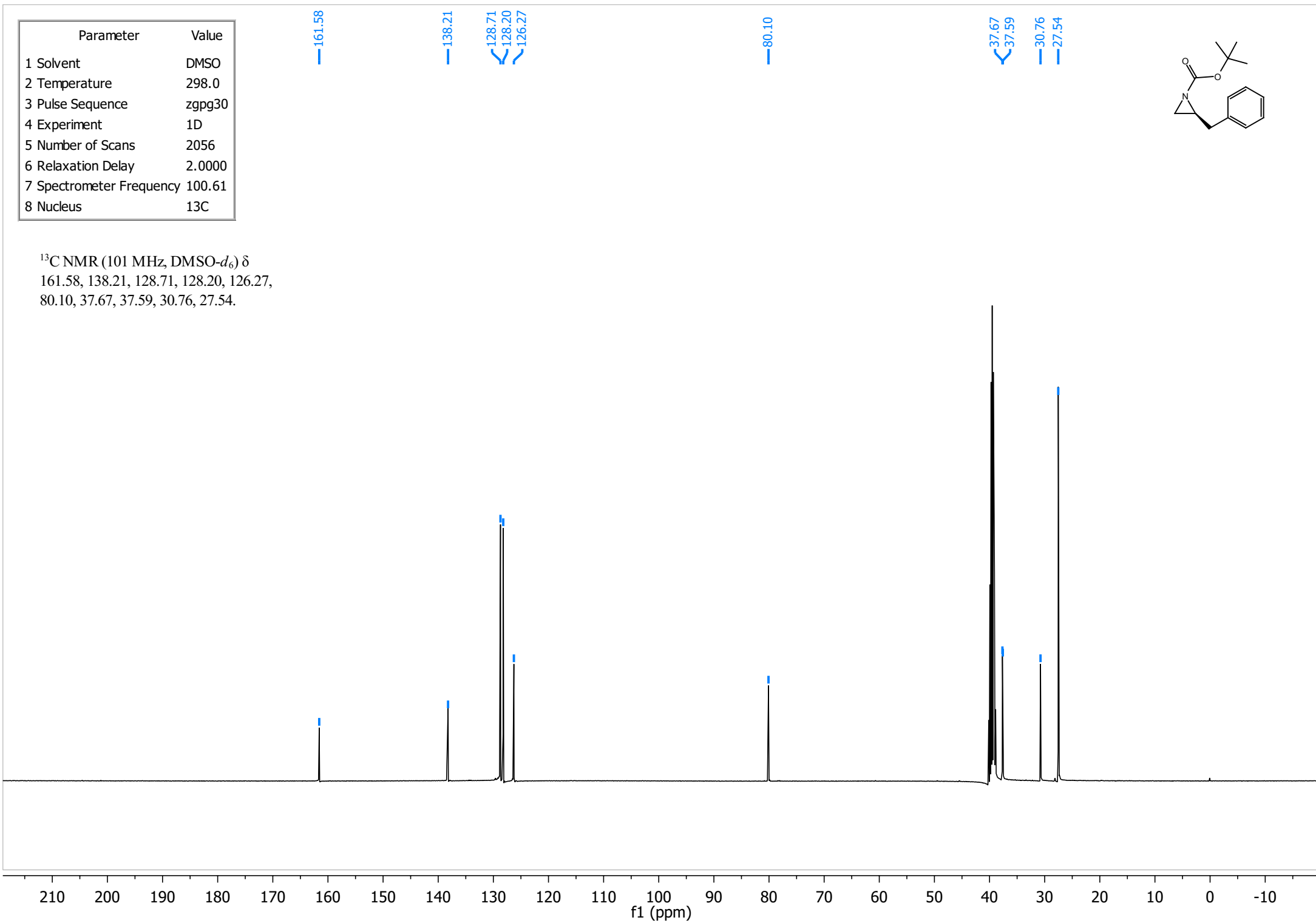
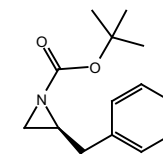
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	¹ H

¹H NMR (400 MHz, DMSO-*d*₆) δ 7.34 (dd, *J* = 8.2, 1.7 Hz, 2H), 7.32 – 7.27 (m, 2H), 7.25 – 7.19 (m, 1H), 2.81 – 2.74 (m, 1H), 2.67 (d, *J* = 5.8 Hz, 1H), 2.63 (dt, *J* = 6.0, 3.1 Hz, 1H), 2.25 (d, *J* = 5.9 Hz, 1H), 2.01 (d, *J* = 3.2 Hz, 1H), 1.37 (s, 10H).



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	2056
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ
161.58, 138.21, 128.71, 128.20, 126.27,
80.10, 37.67, 37.59, 30.76, 27.54.



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	600
6 Relaxation Delay	1.0000
7 Acquisition Date	2017-08-21T19:54:59
8 Spectrometer Frequency	400.13
9 Nucleus	¹ H

7.27
7.25
7.21
7.19
7.17
7.04
7.02
7.00
6.89
6.87
6.66
6.64

3.80

3.32 HDO

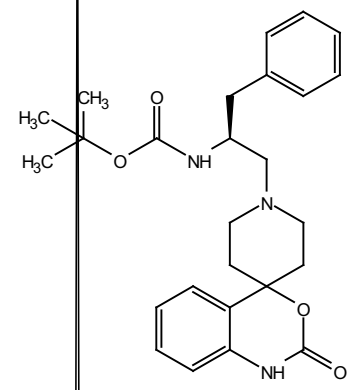
2.84
2.81
2.75
2.64
2.62

2.59
2.50 DMSO
2.37
2.34

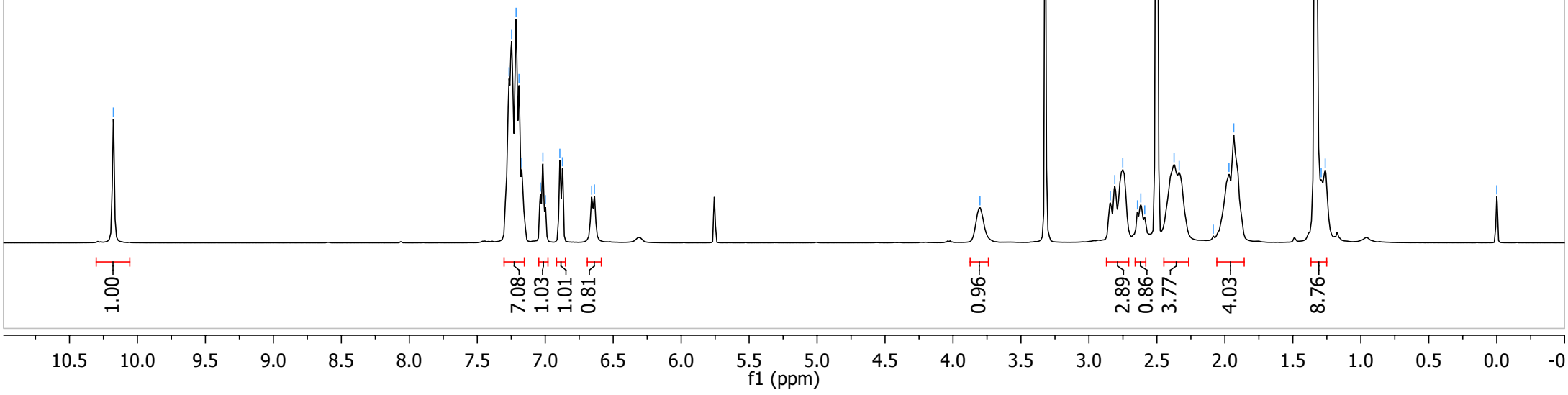
2.09
1.97
1.93

1.33
1.29
1.26

0.00

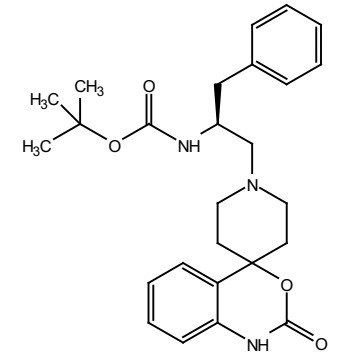


¹H NMR (400 MHz, DMSO-*d*₆) δ 10.18 (s, 1H), 7.22 (dt, *J* = 16.7, 7.9 Hz, 7H), 7.02 (t, *J* = 7.3 Hz, 1H), 6.88 (d, *J* = 7.7 Hz, 1H), 6.65 (d, *J* = 8.1 Hz, 1H), 3.80 (s, 1H), 2.87 – 2.71 (m, 3H), 2.66 – 2.58 (m, 1H), 2.45 – 2.27 (m, 4H), 2.06 – 1.86 (m, 4H), 1.33 (s, 9H).

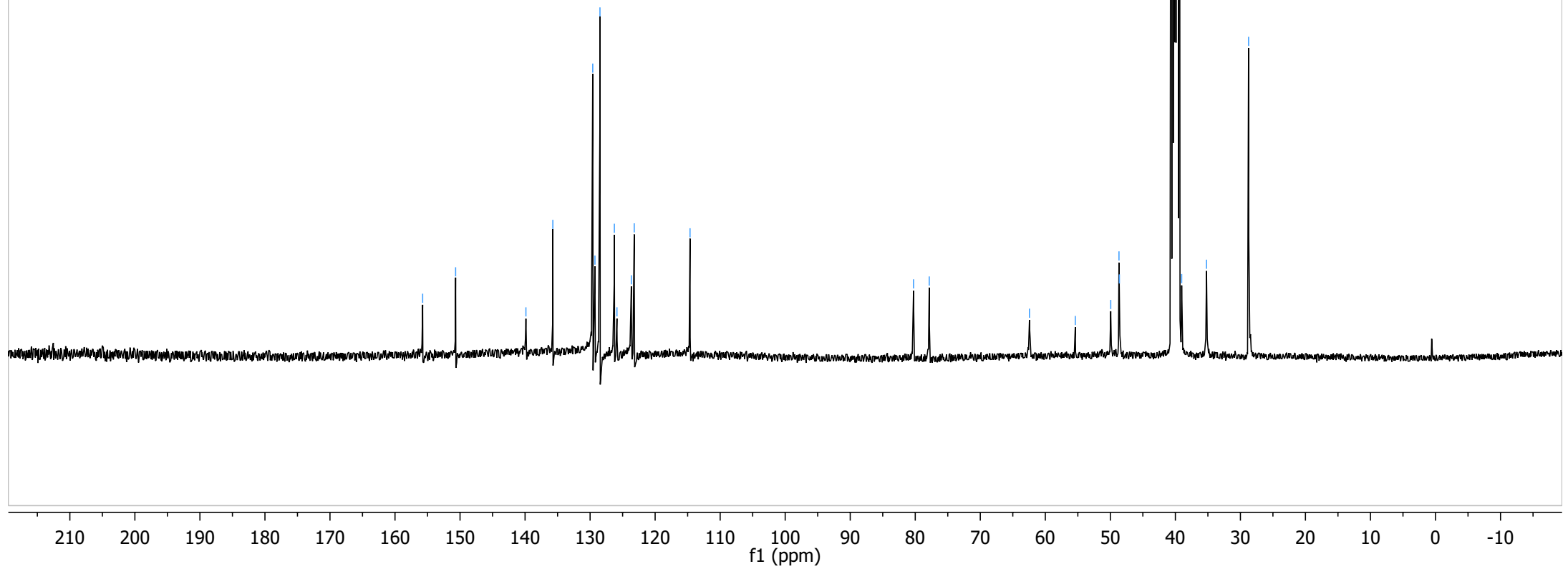


Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	2000
6 Relaxation Delay	2.0000
7 Acquisition Date	2017-08-21T21:50:35
8 Spectrometer Frequency	100.61
9 Nucleus	13C

— 155.75 — 150.68 — 139.87 — 135.73 — 129.59 — 129.26 — 128.48 — 126.27 — 125.87 — 123.66 — 123.22 — 114.63
 — 80.26 — 77.85 — 62.44 — 55.39 — 49.94 — 48.67 — 48.61 — 39.03 — 35.21 — 28.74



¹³C NMR (101 MHz, DMSO-*d*₆) δ 155.75, 150.68, 139.87, 135.73, 129.59, 129.26, 128.48, 126.27, 125.87, 123.66, 123.22, 114.63, 80.26, 77.85, 62.44, 55.39, 49.94, 48.67, 48.61, 39.03, 35.21, 28.74.

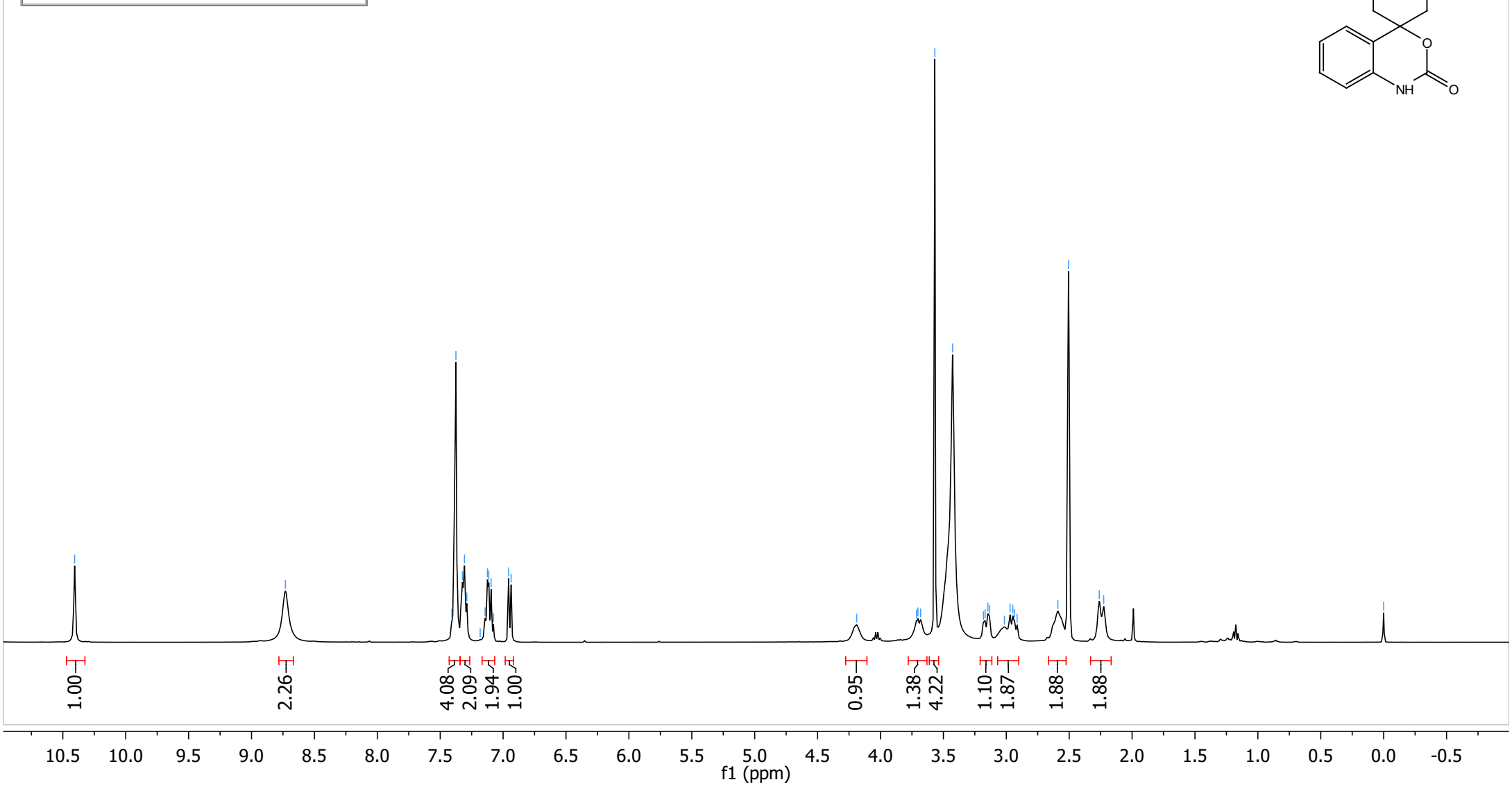
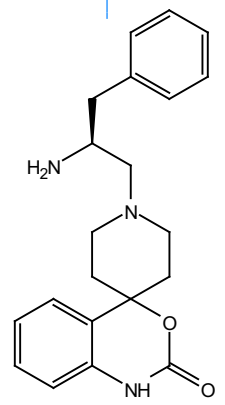


Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	1600
6 Relaxation Delay	1.0000
7 Acquisition Date	2017-09-08T02:42:43
8 Spectrometer Frequency	400.14
9 Nucleus	¹ H

7.41
7.38
7.32
7.31
7.29
7.18
7.14
7.12
7.11
7.10
7.08
6.96
6.94

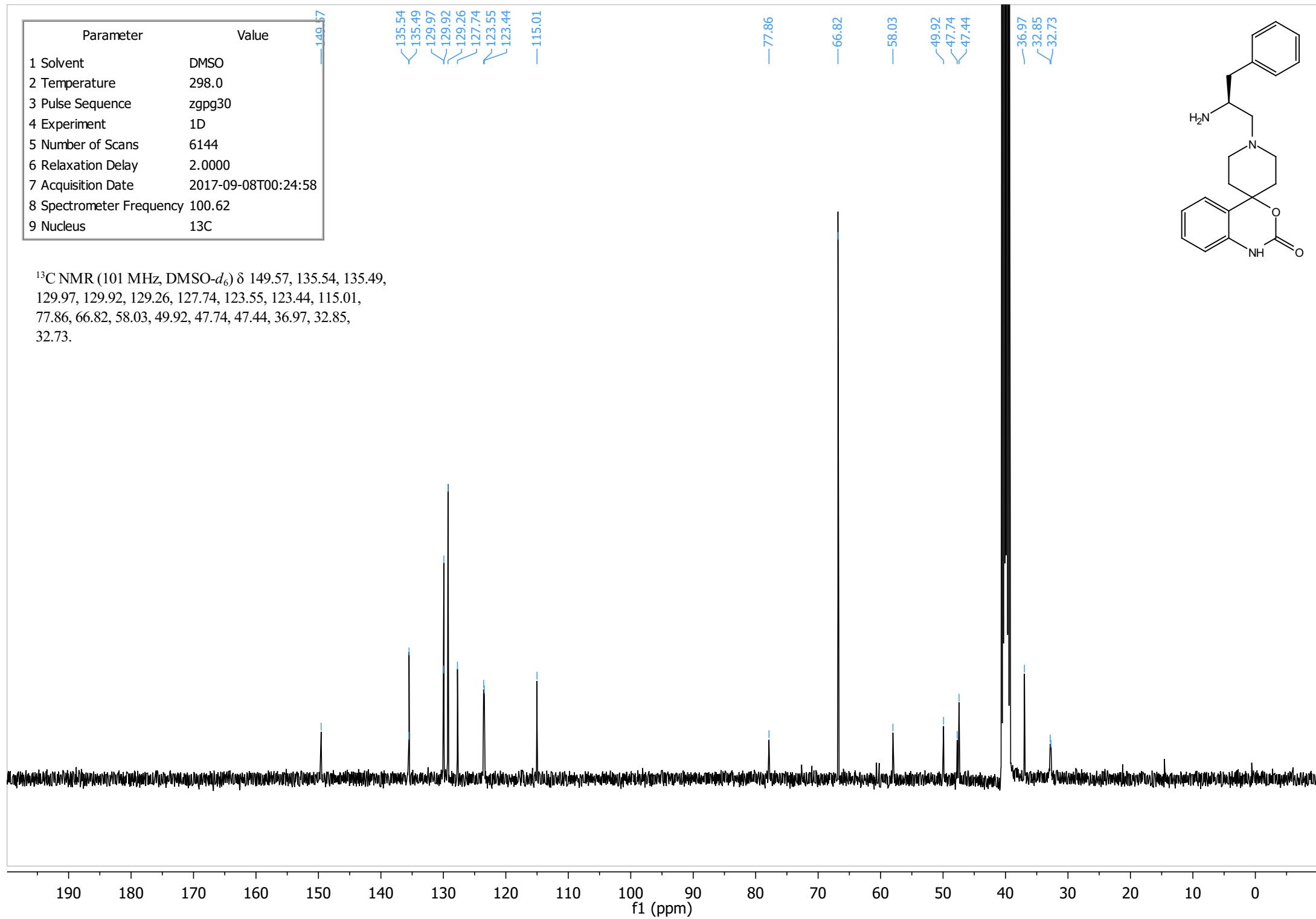
4.19
3.71
3.70
3.68
3.57
3.43
3.18
3.17
3.15
3.13
3.01
2.97
2.95
2.94
2.91
2.59
2.51 DMSO
2.26
2.23

¹H NMR (400 MHz, DMSO-*d*₆) δ 10.41 (s, 1H), 8.73 (s, 2H), 7.38 (s, 4H), 7.31 (t, *J* = 6.9 Hz, 2H), 7.17 – 7.07 (m, 2H), 6.95 (d, *J* = 7.9 Hz, 1H), 4.19 (s, 1H), 3.78 – 3.63 (m, 1H), 3.57 (s, 4H), 3.16 (dd, *J* = 13.7, 4.9 Hz, 1H), 3.07 – 2.90 (m, 2H), 2.59 (s, 2H), 2.24 (d, *J* = 14.1 Hz, 2H).



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	6144
6 Relaxation Delay	2.0000
7 Acquisition Date	2017-09-08T00:24:58
8 Spectrometer Frequency	100.62
9 Nucleus	13C

^{13}C NMR (101 MHz, $\text{DMSO}-d_6$) δ 149.57, 135.54, 135.49, 129.97, 129.92, 129.26, 127.74, 123.55, 123.44, 115.01, 77.86, 66.82, 58.03, 49.92, 47.74, 47.44, 36.97, 32.85, 32.73.



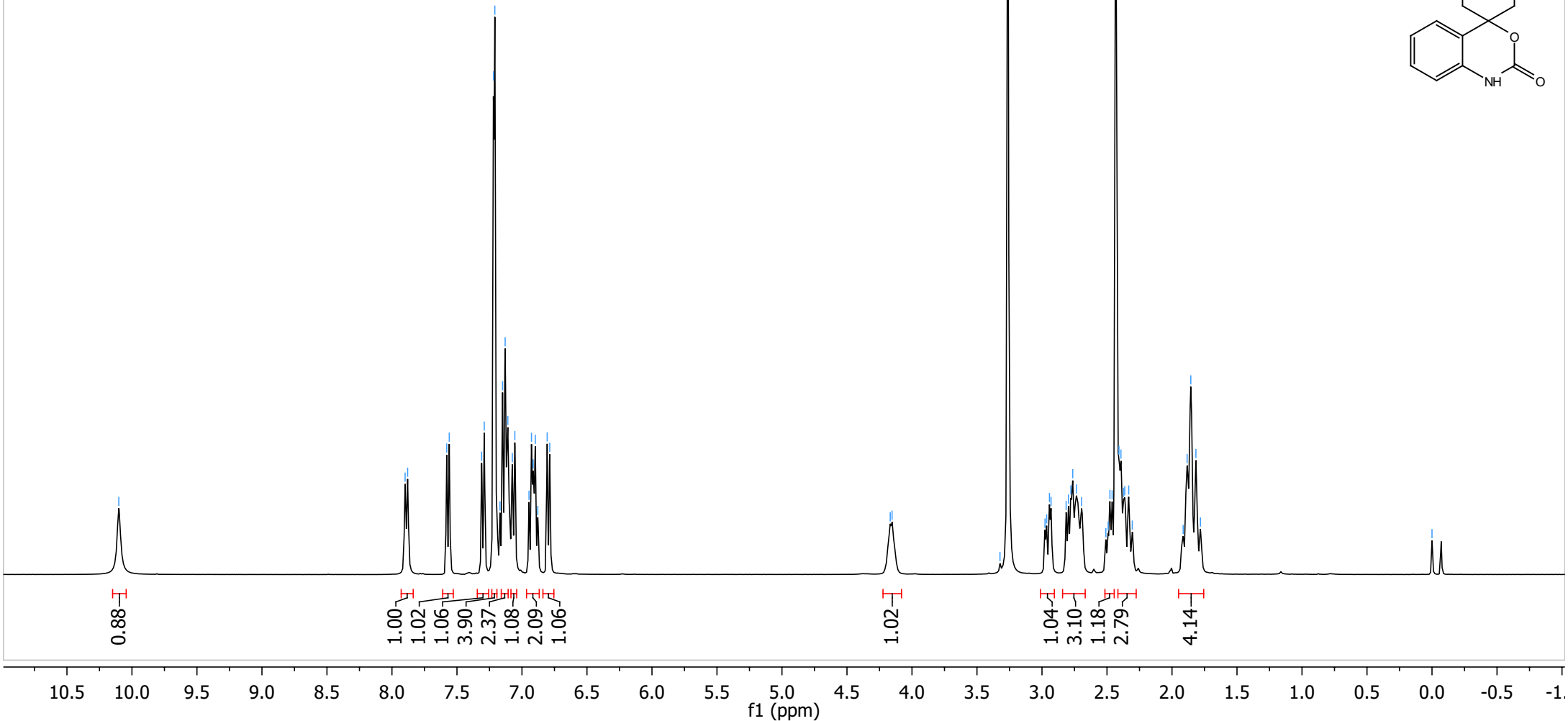
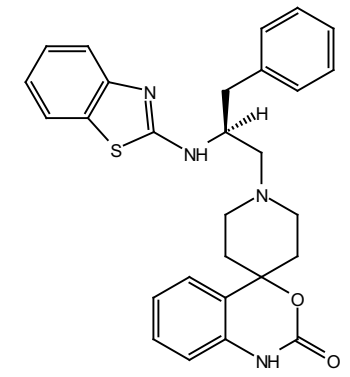
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	1600
6 Relaxation Delay	1.0000
7 Acquisition Date	2017-09-18T21:54:24
8 Spectrometer Frequency	400.14
9 Nucleus	1H

7.90
7.88
7.58
7.56
7.31
7.29
7.22
7.21
7.17
7.15
7.13
7.11
7.07
7.05
6.95
6.93
6.91
6.90
6.88
6.81
6.79

4.17
4.15

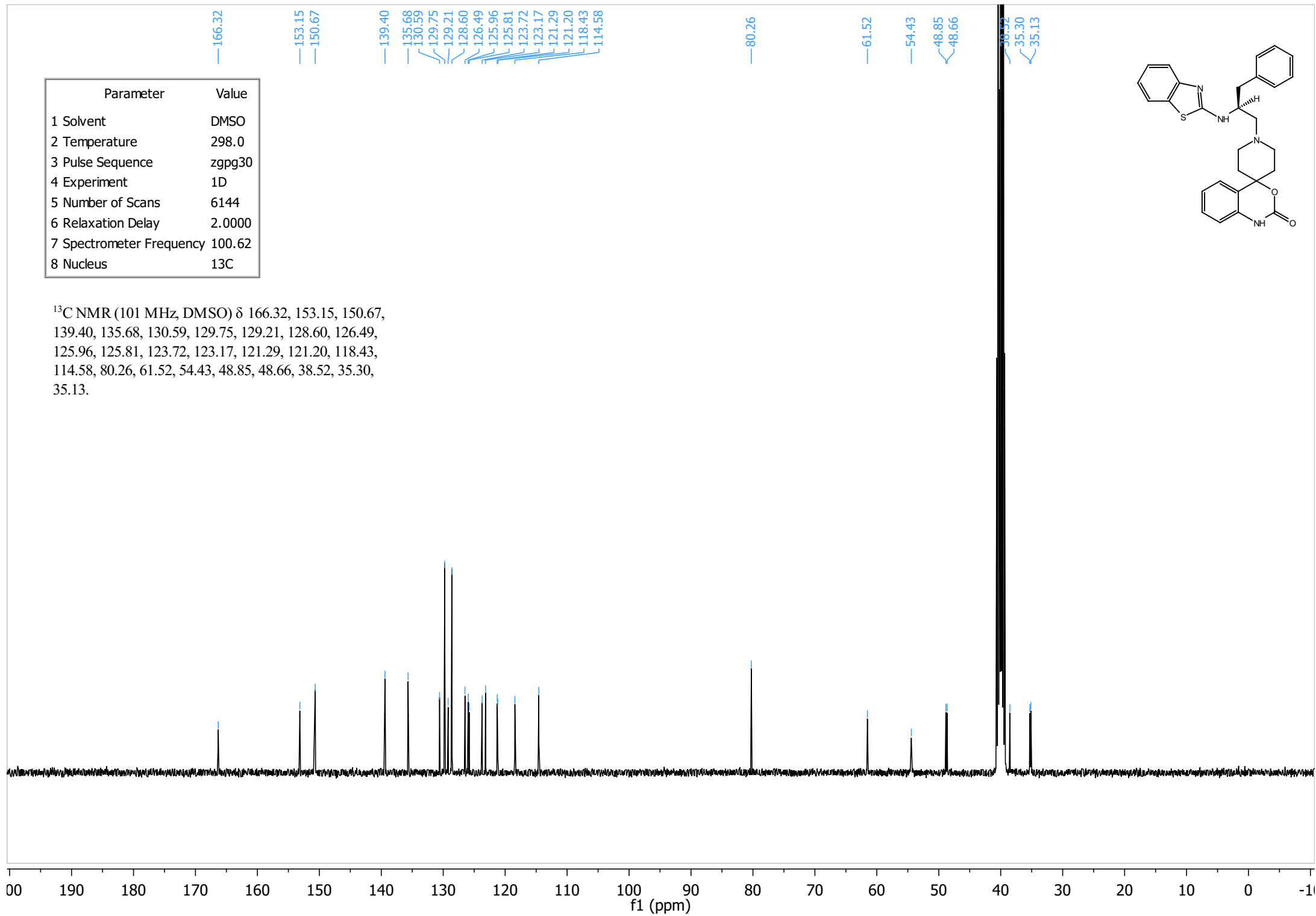
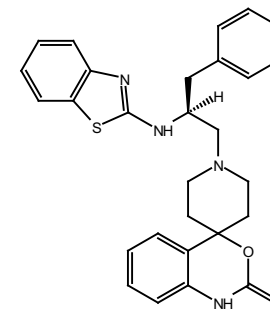
3.32 HDO
3.26
2.98
2.96
2.94
2.93
2.81
2.80
2.78
2.76
2.73
2.70
2.51
2.49
2.48
2.46
2.43 DMSO
2.41
2.39
2.37
2.36
2.33
2.31
1.91
1.88
1.86
1.82
1.78
0.00

¹H NMR (400 MHz, DMSO-*d*₆) δ 10.10 (s, 1H), 7.89 (d, *J* = 7.8 Hz, 1H), 7.57 (d, *J* = 7.7 Hz, 1H), 7.30 (d, *J* = 8.0 Hz, 1H), 7.21 (d, *J* = 3.9 Hz, 4H), 7.16 – 7.11 (m, 2H), 7.06 (d, *J* = 7.7 Hz, 1H), 6.91 (dt, *J* = 14.2, 7.6 Hz, 2H), 6.80 (d, *J* = 7.9 Hz, 1H), 4.22 – 4.08 (m, 1H), 2.95 (dd, *J* = 13.6, 5.0 Hz, 1H), 2.84 – 2.67 (m, 3H), 2.47 (d, *J* = 6.8 Hz, 1H), 2.42 – 2.28 (m, 3H), 1.85 (p, *J* = 14.0, 13.1 Hz, 4H).



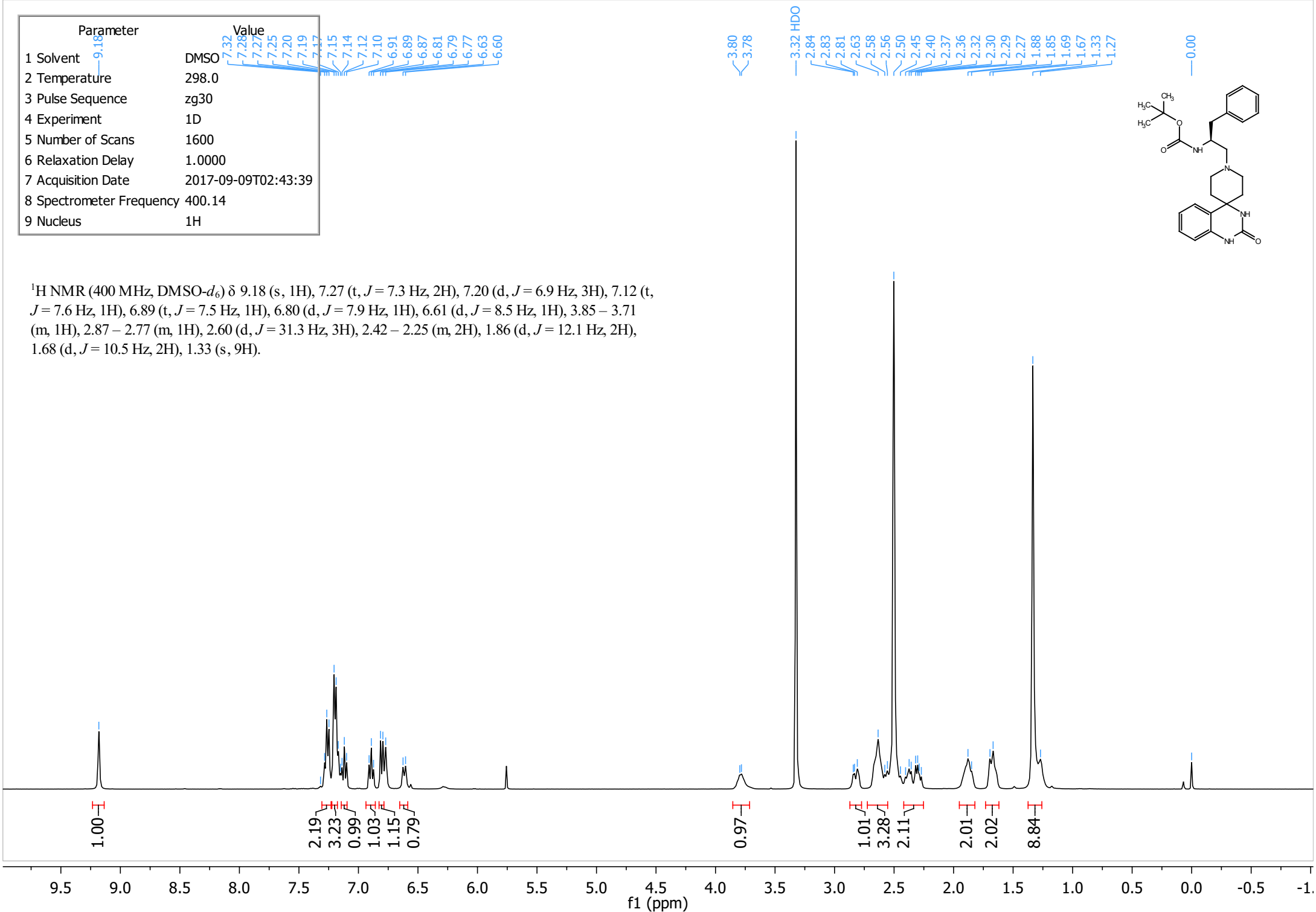
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	6144
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.62
8 Nucleus	13C

^{13}C NMR (101 MHz, DMSO) δ 166.32, 153.15, 150.67, 139.40, 135.68, 130.59, 129.75, 129.21, 128.60, 126.49, 125.96, 125.81, 123.72, 123.17, 121.29, 121.20, 118.43, 114.58, 80.26, 61.52, 54.43, 48.85, 48.66, 38.52, 35.30, 35.13.



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	1600
6 Relaxation Delay	1.0000
7 Acquisition Date	2017-09-09T02:43:39
8 Spectrometer Frequency	400.14
9 Nucleus	¹ H

¹H NMR (400 MHz, DMSO-*d*₆) δ 9.18 (s, 1H), 7.27 (t, *J* = 7.3 Hz, 2H), 7.20 (d, *J* = 6.9 Hz, 3H), 7.12 (t, *J* = 7.6 Hz, 1H), 6.89 (t, *J* = 7.5 Hz, 1H), 6.80 (d, *J* = 7.9 Hz, 1H), 6.61 (d, *J* = 8.5 Hz, 1H), 3.85 – 3.71 (m, 1H), 2.87 – 2.77 (m, 1H), 2.60 (d, *J* = 31.3 Hz, 3H), 2.42 – 2.25 (m, 2H), 1.86 (d, *J* = 12.1 Hz, 2H), 1.68 (d, *J* = 10.5 Hz, 2H), 1.33 (s, 9H).



1.00

2.19

3.23

0.99

1.03

1.15

0.79

0.97

1.01

3.28

2.11

2.01

2.02

8.84

9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0

f1 (ppm)

Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	6144
6 Relaxation Delay	2.0000
7 Acquisition Date	2017-09-09T00:25:40
8 Spectrometer Frequency	100.62
9 Nucleus	¹³ C

155.73
153.67
139.94
137.69
129.57
128.47
128.16
127.13
126.23
123.90
121.73
114.32

77.80

62.28

54.02

49.84

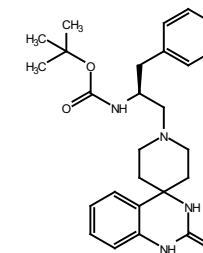
48.14

47.99

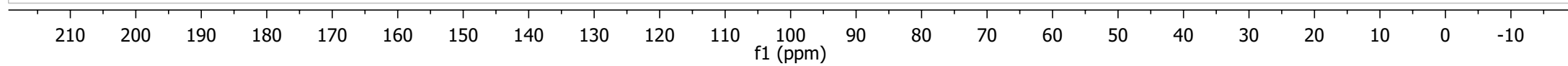
39.01

37.30

28.75

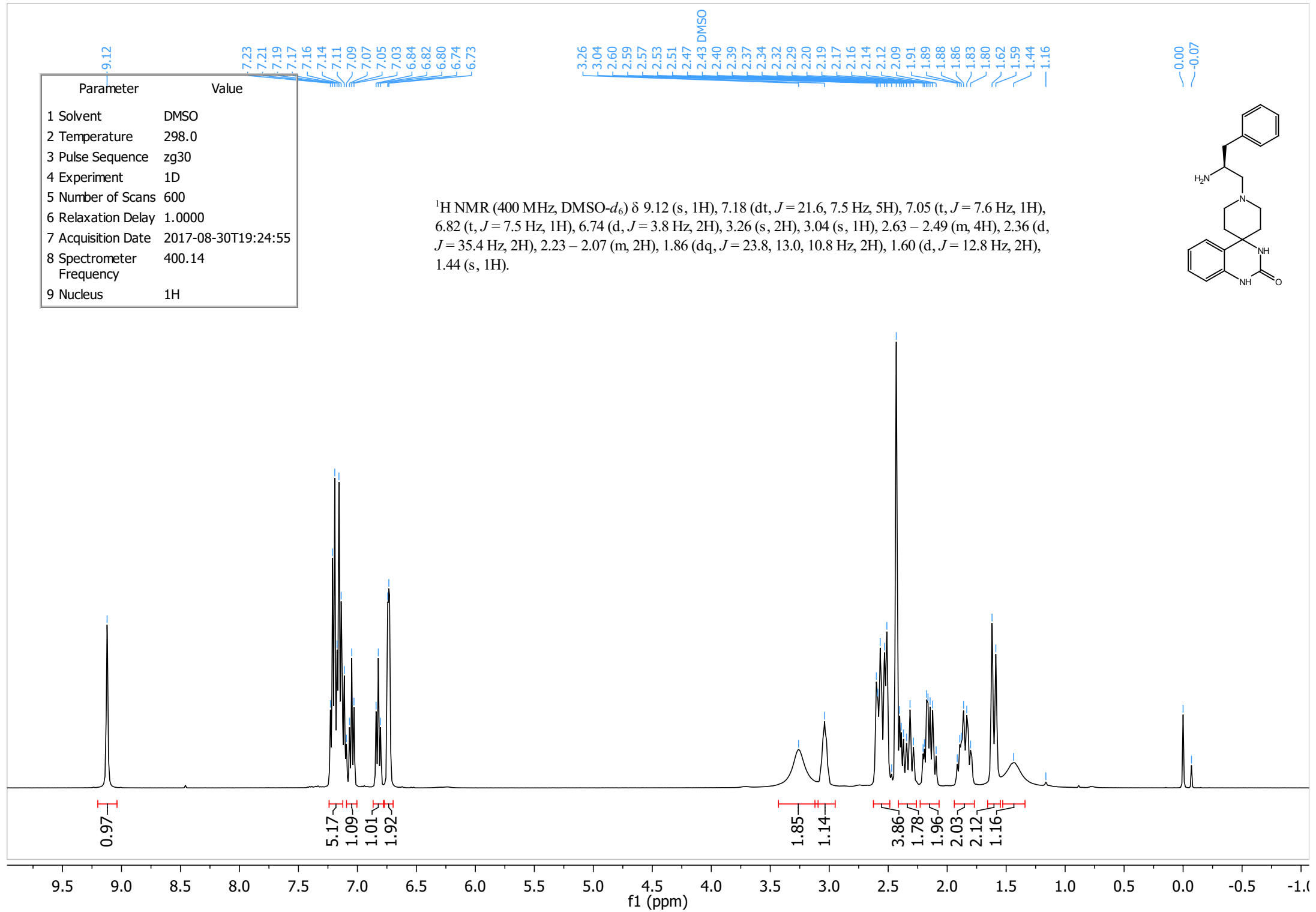
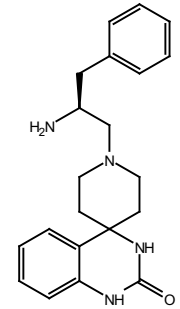


¹³C NMR (101 MHz, DMSO) δ 155.73, 153.67, 139.94, 137.69, 129.57, 128.47, 128.16, 127.13, 126.23, 123.90, 121.73, 114.32, 77.80, 62.28, 54.02, 49.84, 48.14, 47.99, 39.01, 37.30, 28.75.



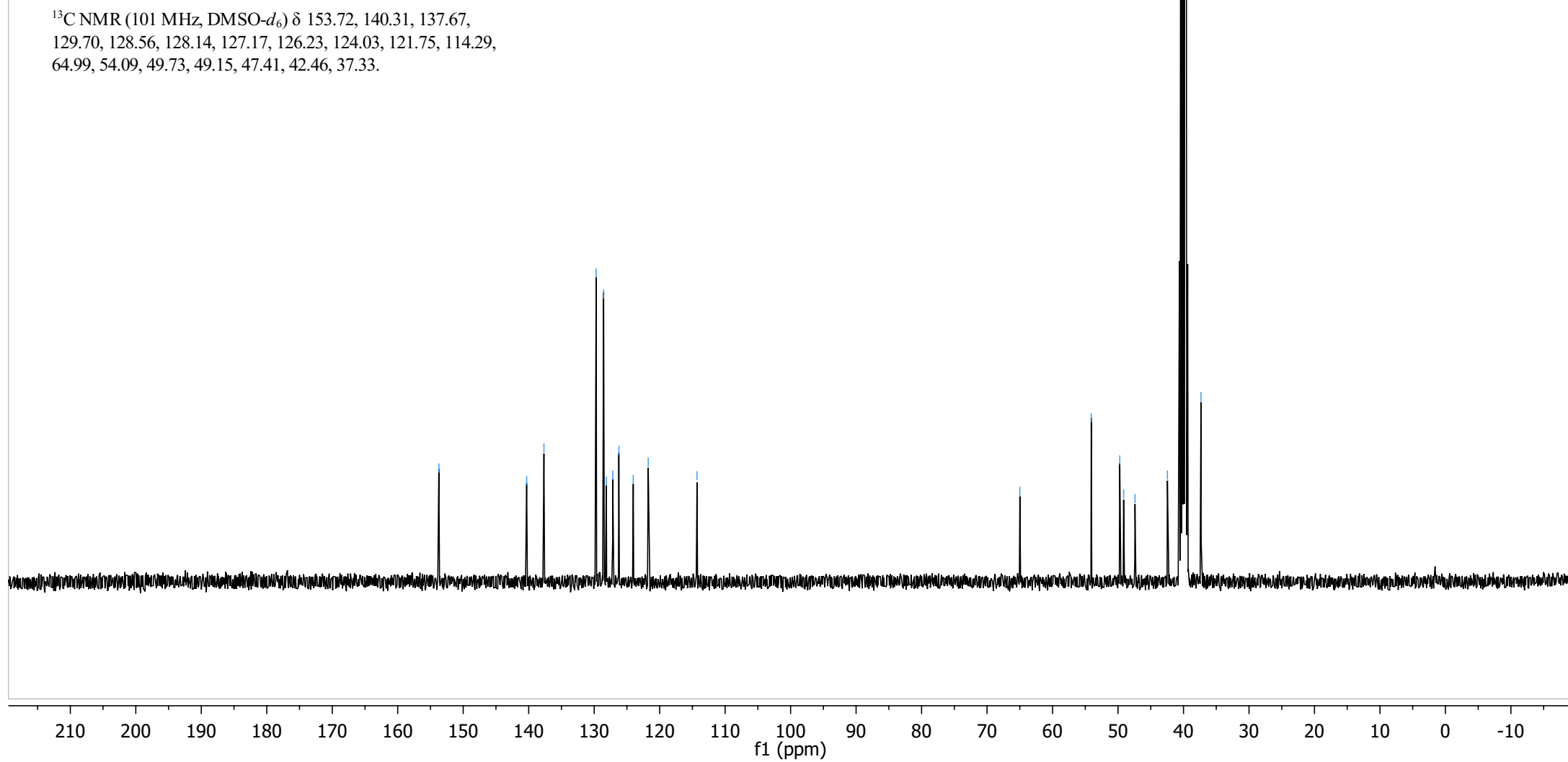
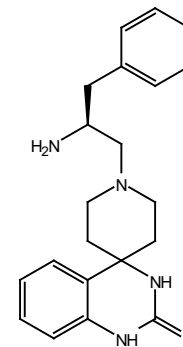
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	600
6 Relaxation Delay	1.0000
7 Acquisition Date	2017-08-30T19:24:55
8 Spectrometer	400.14
Frequency	
9 Nucleus	¹ H

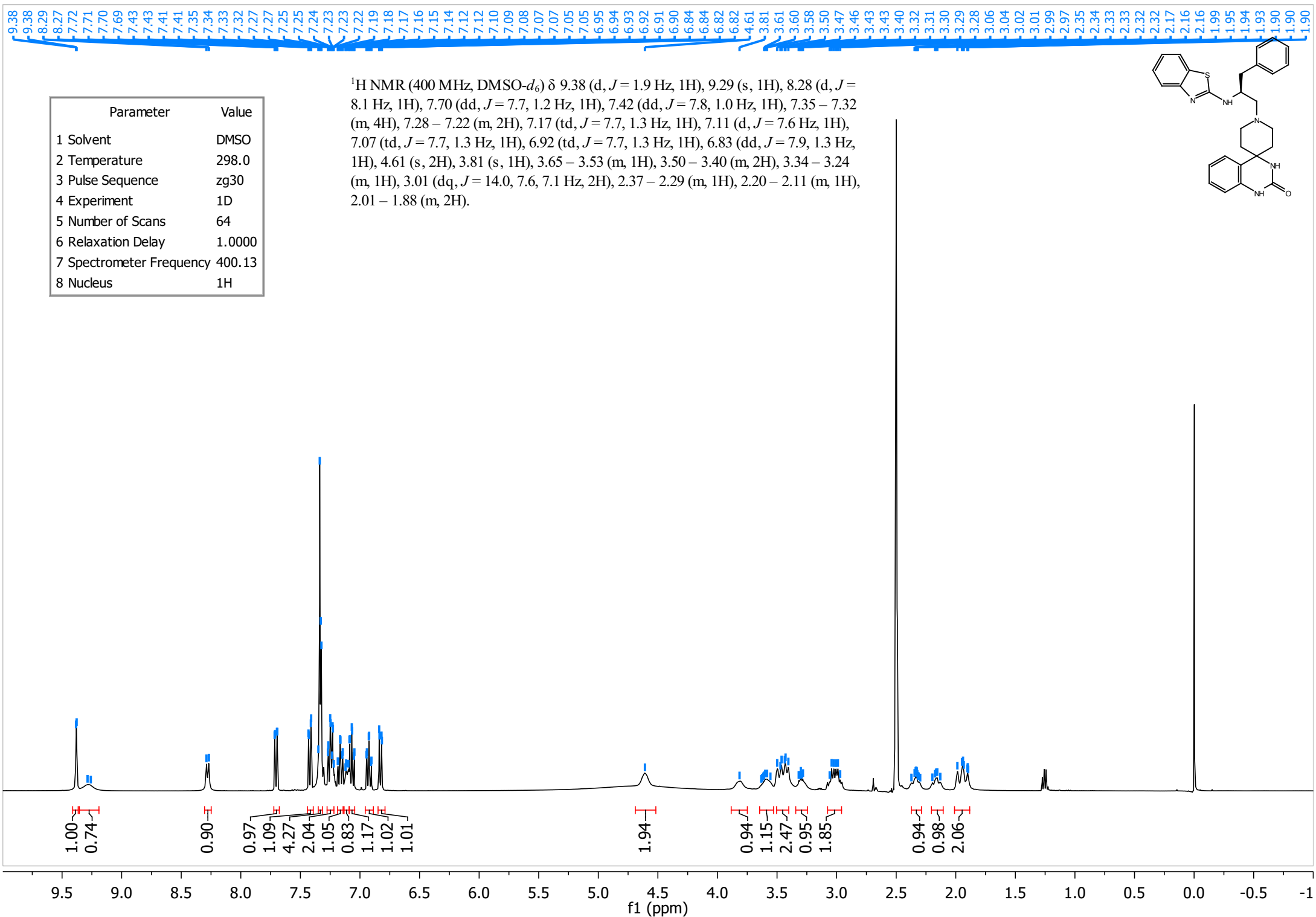
¹H NMR (400 MHz, DMSO-*d*₆) δ 9.12 (s, 1H), 7.18 (dt, *J* = 21.6, 7.5 Hz, 5H), 7.05 (t, *J* = 7.6 Hz, 1H), 6.82 (t, *J* = 7.5 Hz, 1H), 6.74 (d, *J* = 3.8 Hz, 2H), 3.26 (s, 2H), 3.04 (s, 1H), 2.63 – 2.49 (m, 4H), 2.36 (d, *J* = 35.4 Hz, 2H), 2.23 – 2.07 (m, 2H), 1.86 (dq, *J* = 23.8, 13.0, 10.8 Hz, 2H), 1.60 (d, *J* = 12.8 Hz, 2H), 1.44 (s, 1H).



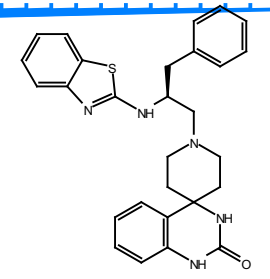
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	1024
6 Relaxation Delay	2.0000
7 Acquisition Date	2017-08-30T20:24:59
8 Spectrometer Frequency	100.62
9 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ 153.72, 140.31, 137.67, 129.70, 128.56, 128.14, 127.17, 126.23, 124.03, 121.75, 114.29, 64.99, 54.09, 49.73, 49.15, 47.41, 42.46, 37.33.





Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	¹ H

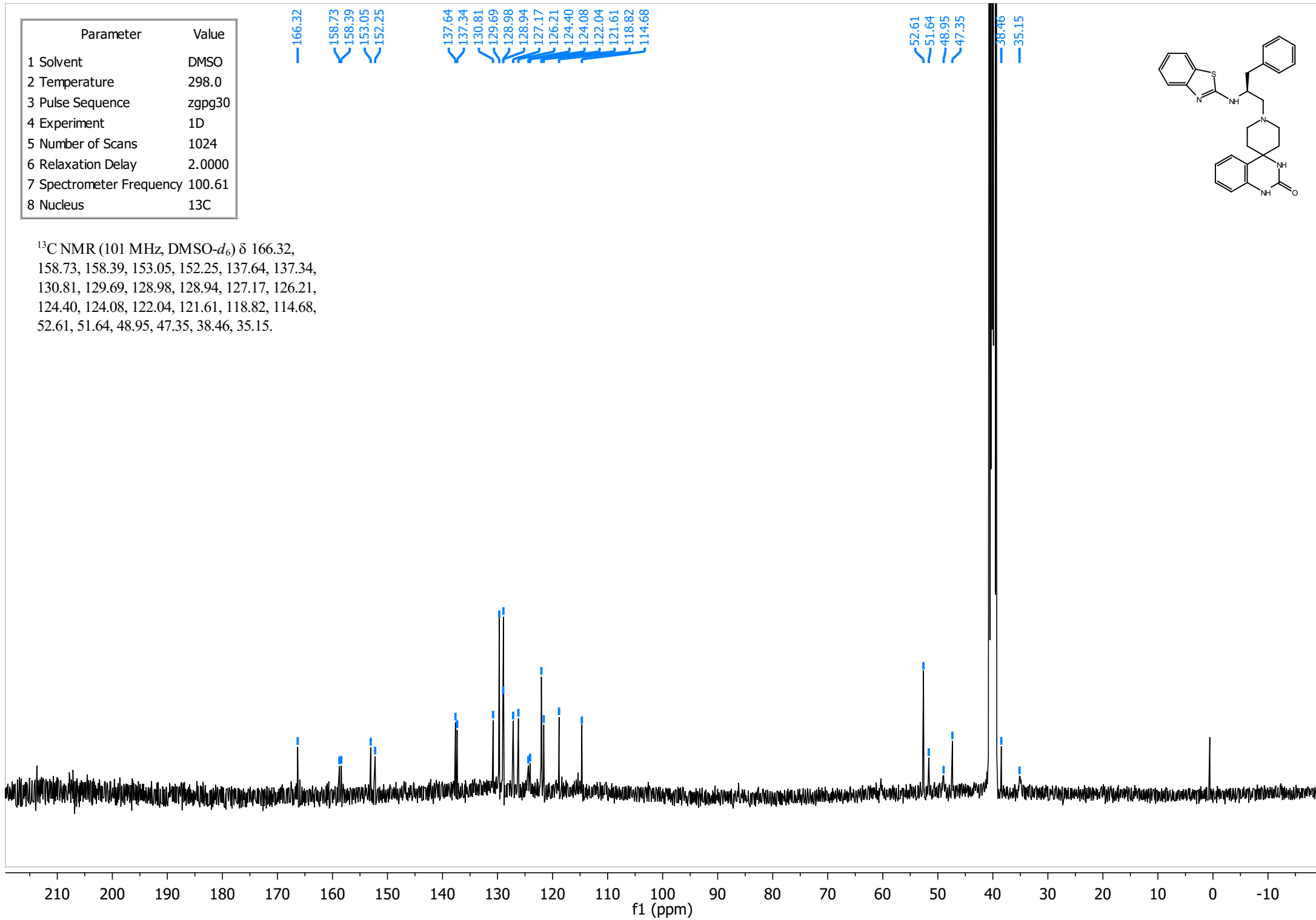
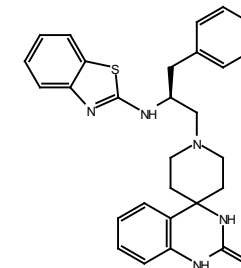


Integration values (from left to right): 1.00, 0.74, 0.90, 0.97, 1.09, 4.27, 2.04, 1.05, 0.83, 1.17, 1.02, 1.01, 1.94, 0.94, 1.15, 2.47, 0.95, 1.85, 0.94, 0.98, 2.06

Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	1024
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

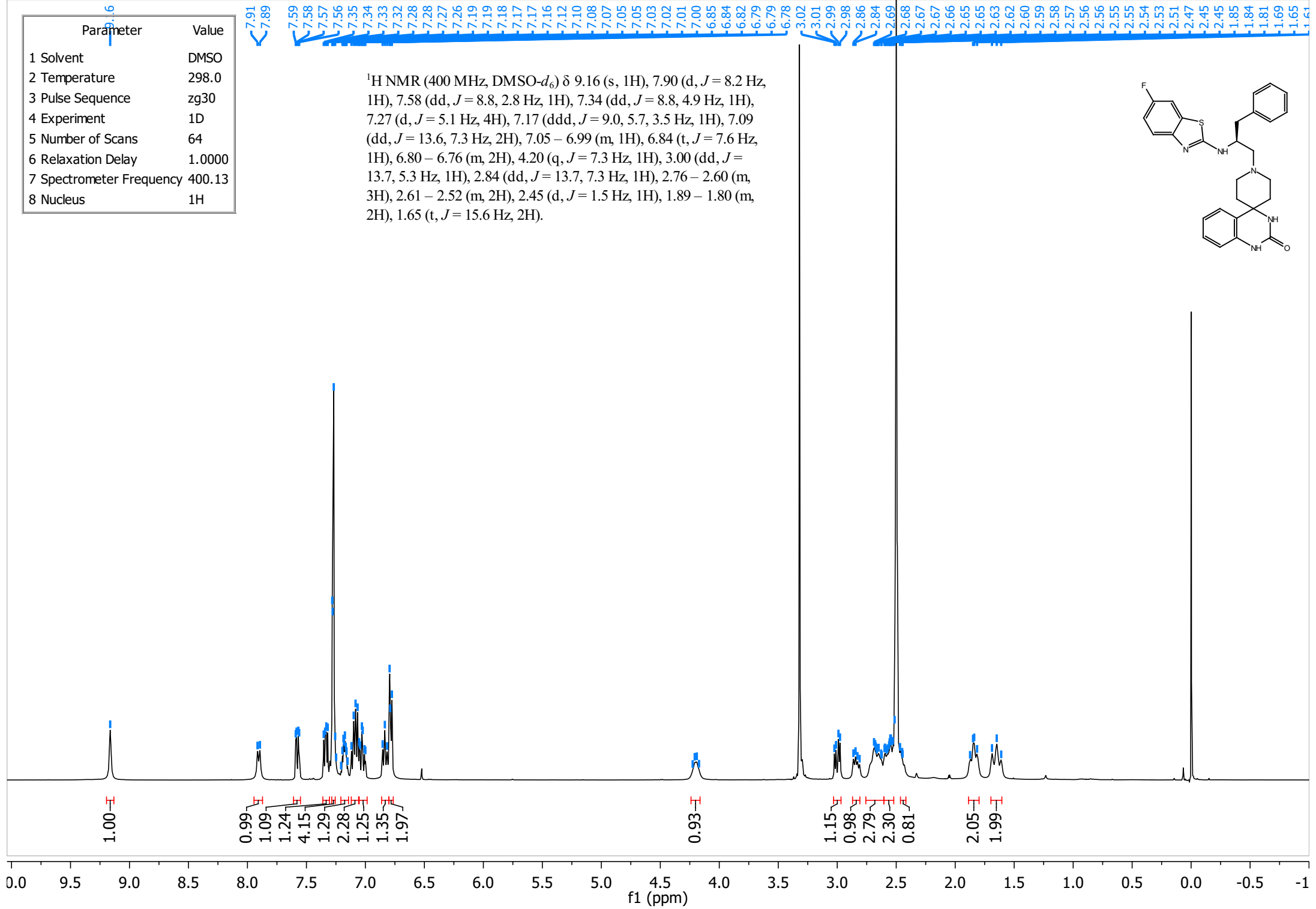
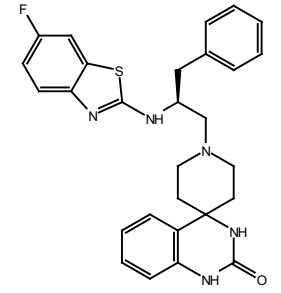
166.32
 158.73
 158.39
 153.05
 152.25
 137.64
 137.34
 130.81
 129.69
 128.98
 128.94
 127.17
 126.21
 124.40
 124.08
 122.04
 121.61
 118.82
 114.68
 52.61
 51.64
 48.95
 47.35
 38.46
 35.15

¹³C NMR (101 MHz, DMSO-*d*₆) δ 166.32, 158.73, 158.39, 153.05, 152.25, 137.64, 137.34, 130.81, 129.69, 128.98, 128.94, 127.17, 126.21, 124.40, 124.08, 122.04, 121.61, 118.82, 114.68, 52.61, 51.64, 48.95, 47.35, 38.46, 35.15.



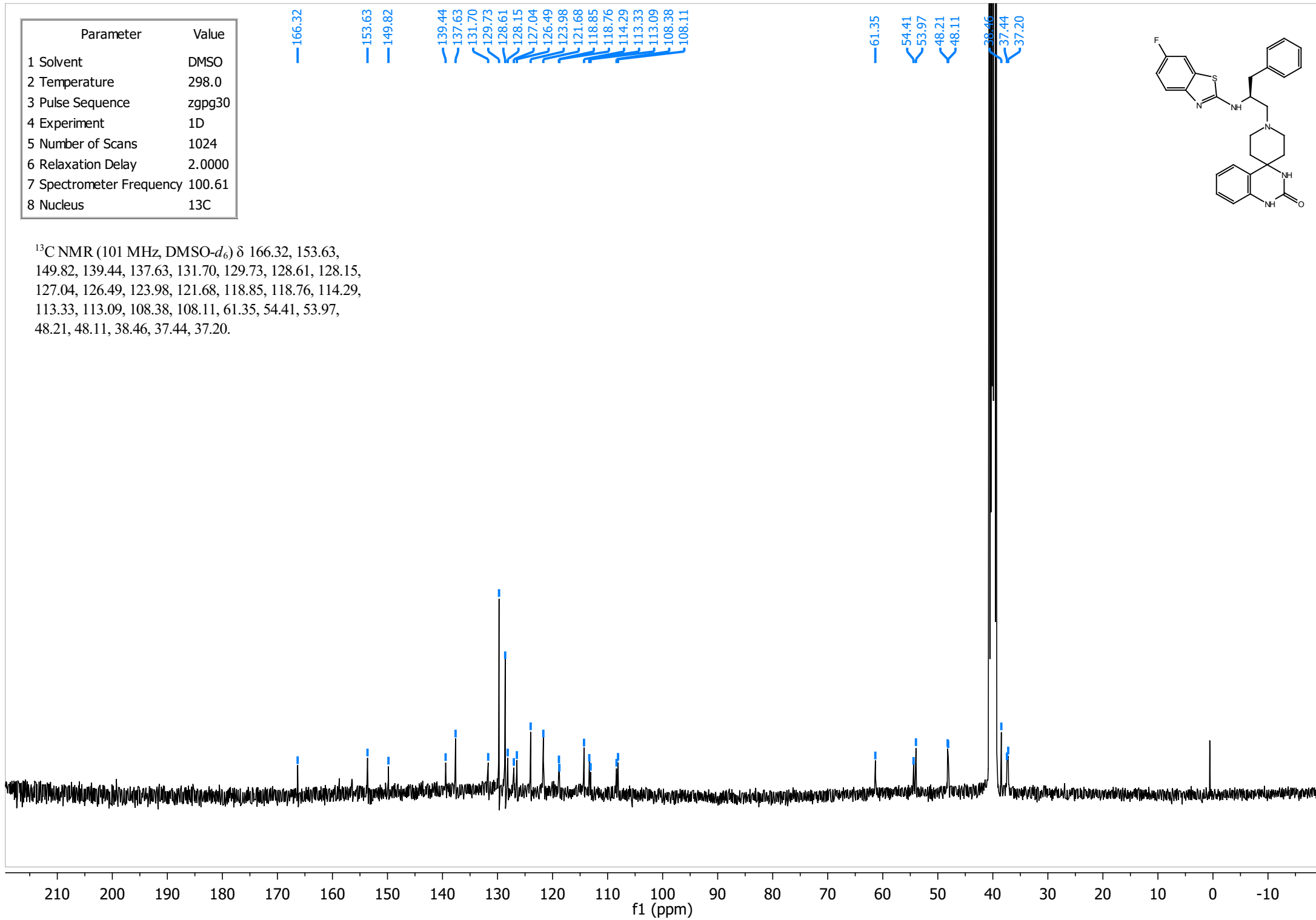
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	¹ H

¹H NMR (400 MHz, DMSO-*d*₆) δ 9.16 (s, 1H), 7.90 (d, *J* = 8.2 Hz, 1H), 7.58 (dd, *J* = 8.8, 2.8 Hz, 1H), 7.34 (dd, *J* = 8.8, 4.9 Hz, 1H), 7.27 (d, *J* = 5.1 Hz, 4H), 7.17 (ddd, *J* = 9.0, 5.7, 3.5 Hz, 1H), 7.09 (dd, *J* = 13.6, 7.3 Hz, 2H), 7.05 – 6.99 (m, 1H), 6.84 (t, *J* = 7.6 Hz, 1H), 6.80 – 6.76 (m, 2H), 4.20 (q, *J* = 7.3 Hz, 1H), 3.00 (dd, *J* = 13.7, 5.3 Hz, 1H), 2.84 (dd, *J* = 13.7, 7.3 Hz, 1H), 2.76 – 2.60 (m, 3H), 2.61 – 2.52 (m, 2H), 2.45 (d, *J* = 1.5 Hz, 1H), 1.89 – 1.80 (m, 2H), 1.65 (t, *J* = 15.6 Hz, 2H).



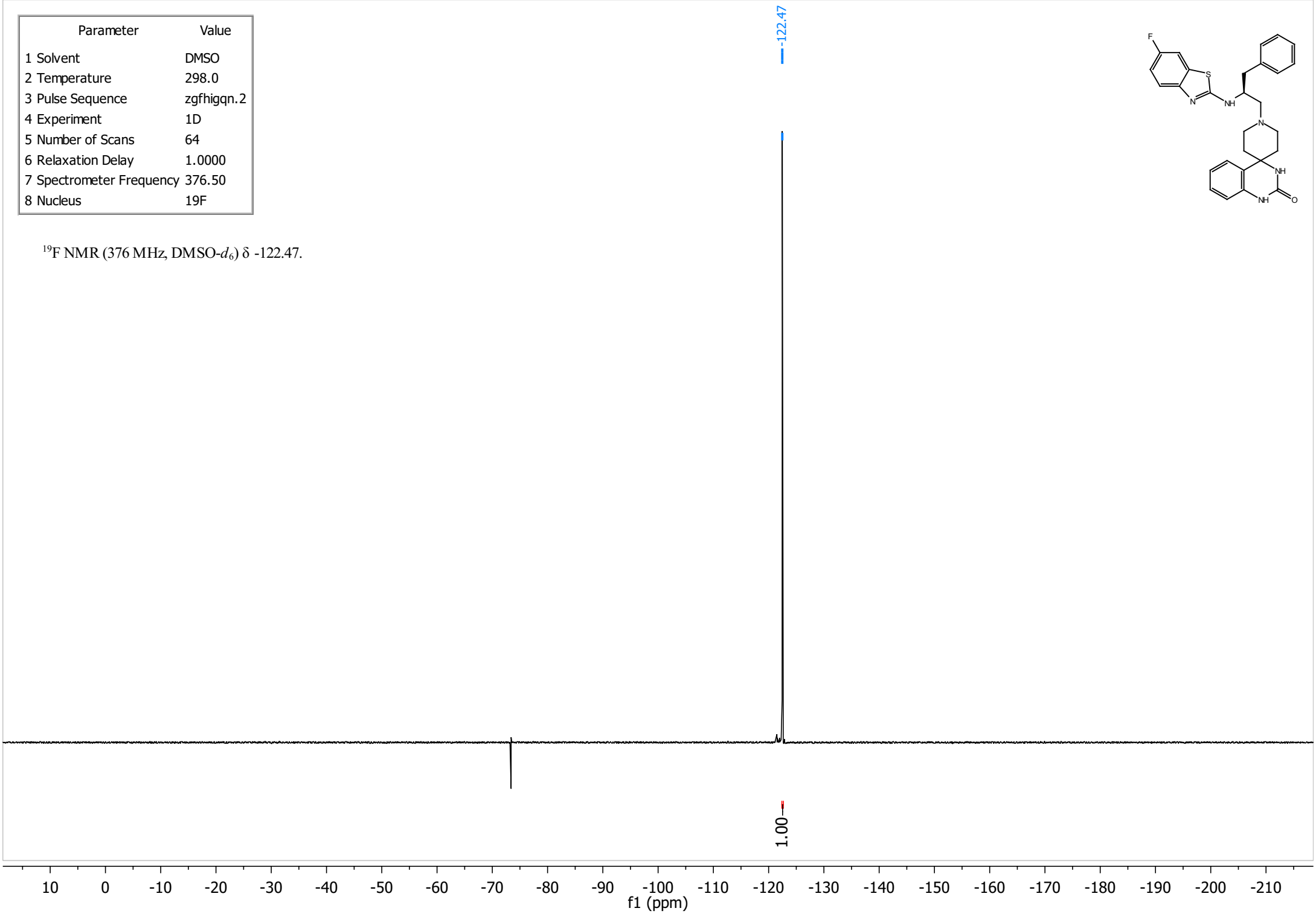
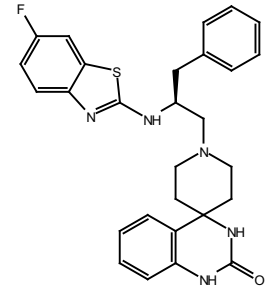
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	1024
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

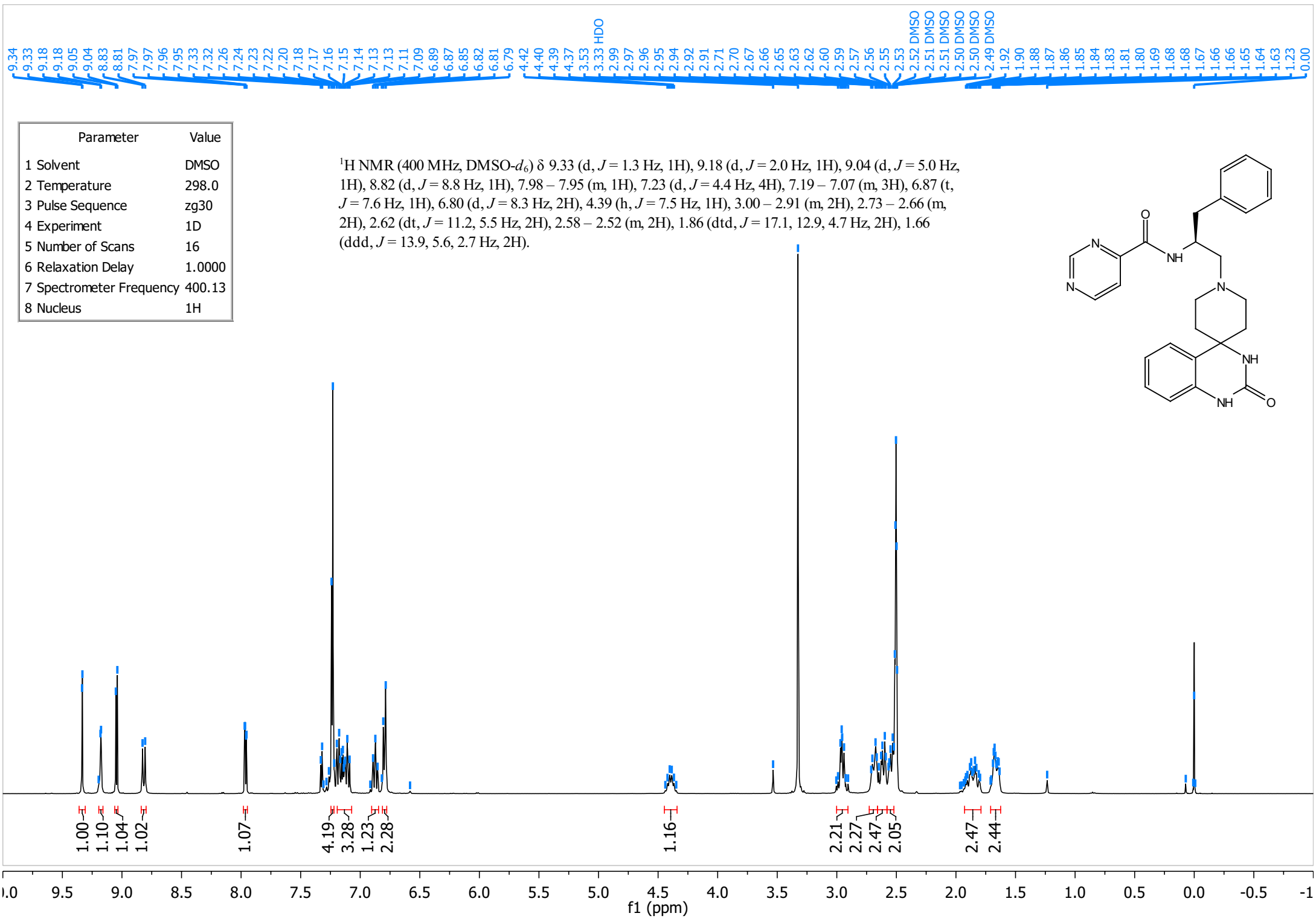
¹³C NMR (101 MHz, DMSO-*d*₆) δ 166.32, 153.63, 149.82, 139.44, 137.63, 131.70, 129.73, 128.61, 128.15, 127.04, 126.49, 123.98, 121.68, 118.85, 118.76, 114.29, 113.33, 113.09, 108.38, 108.11, 61.35, 54.41, 53.97, 48.21, 48.11, 38.46, 37.44, 37.20.



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgfhigqn.2
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	376.50
8 Nucleus	¹⁹ F

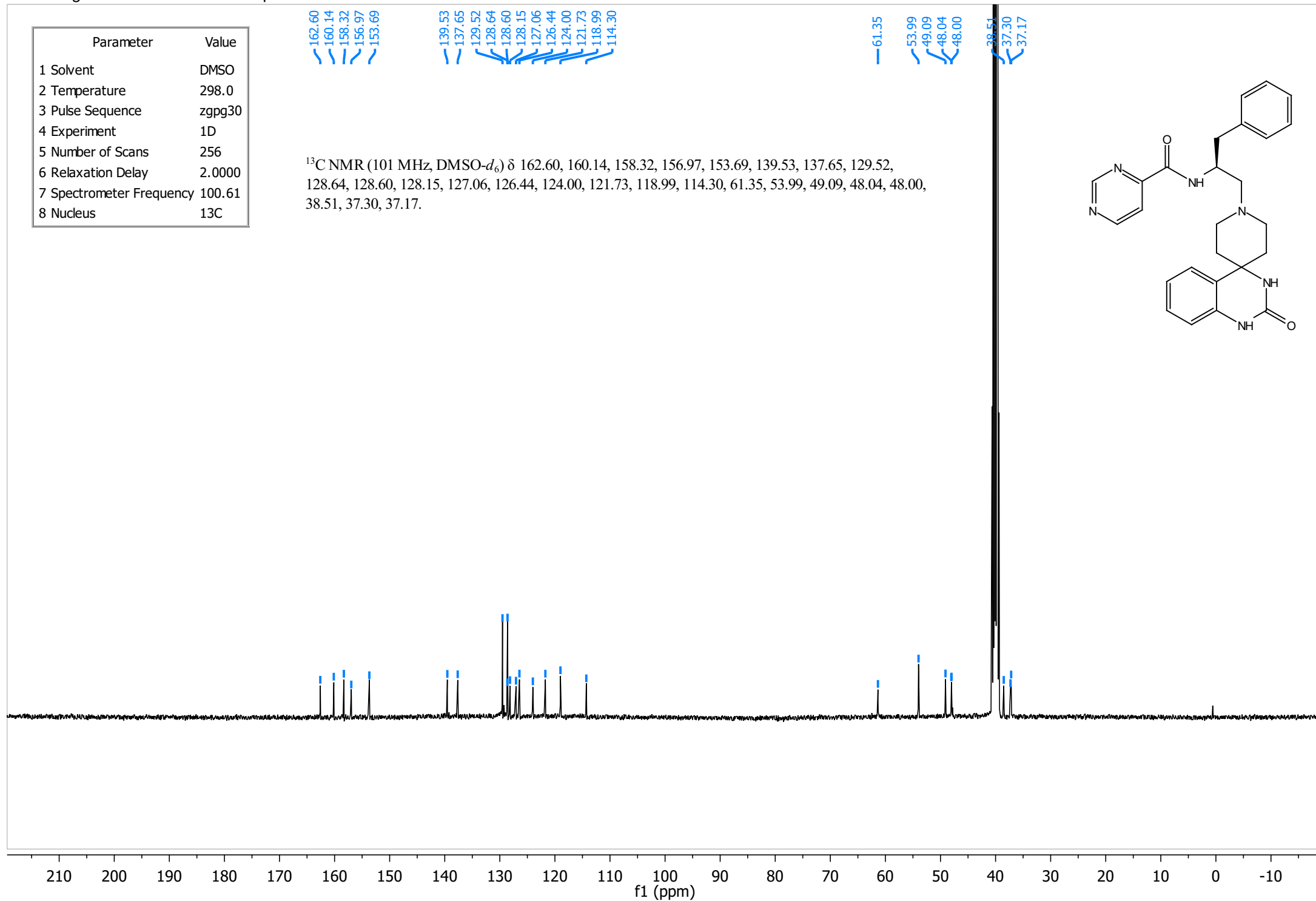
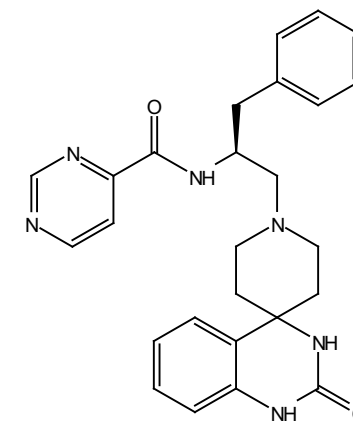
¹⁹F NMR (376 MHz, DMSO-*d*₆) δ -122.47.

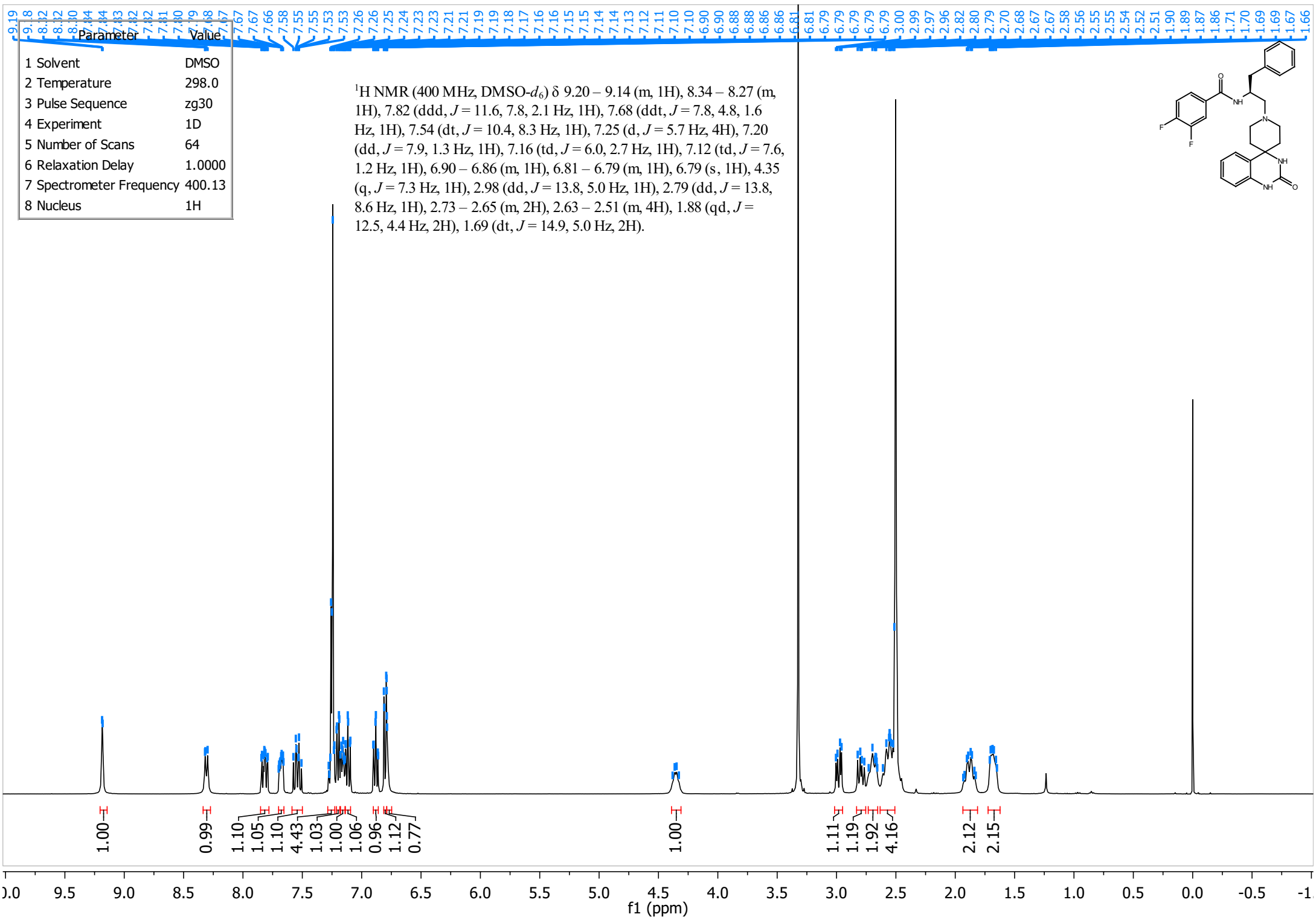




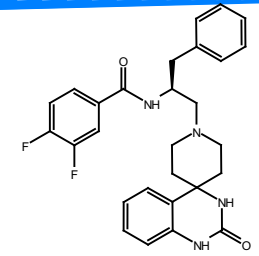
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	256
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	13C

^{13}C NMR (101 MHz, DMSO- d_6) δ 162.60, 160.14, 158.32, 156.97, 153.69, 139.53, 137.65, 129.52, 128.64, 128.60, 128.15, 127.06, 126.44, 124.00, 121.73, 118.99, 114.30, 61.35, 53.99, 49.09, 48.04, 48.00, 38.51, 37.30, 37.17.



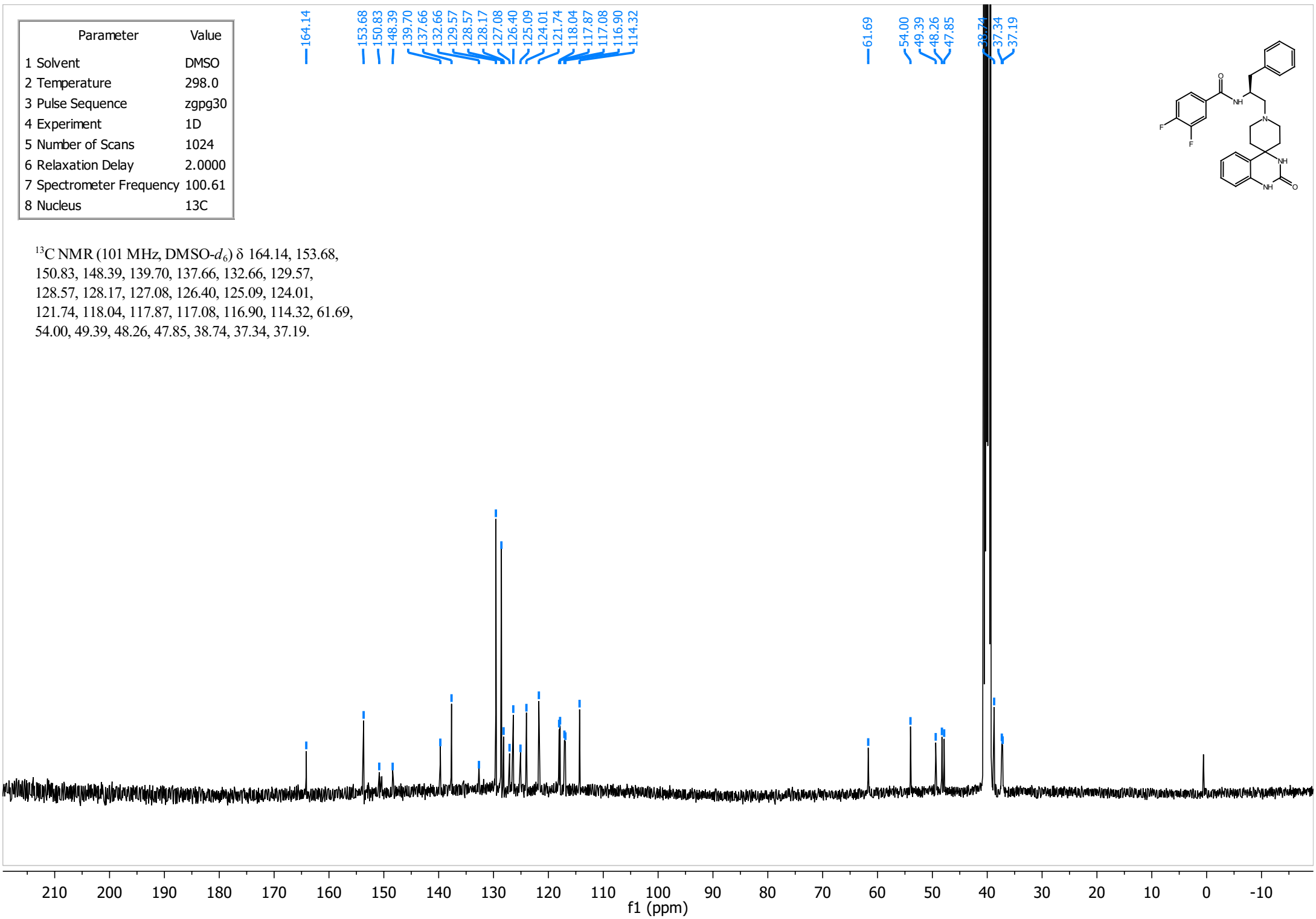


Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	1H



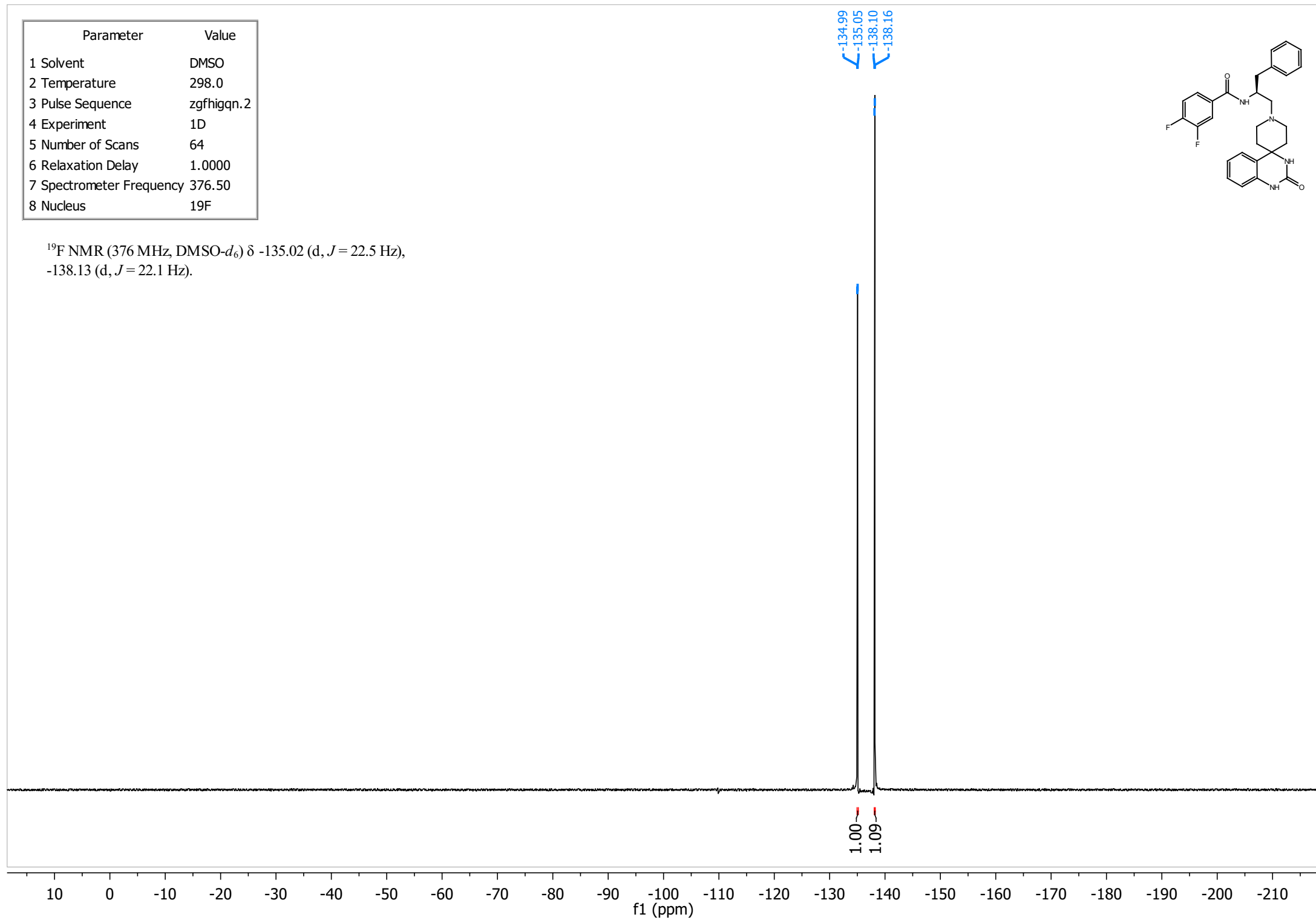
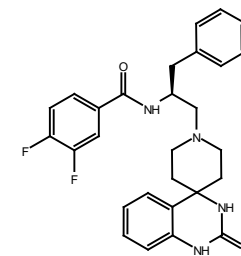
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	1024
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ 164.14, 153.68, 150.83, 148.39, 139.70, 137.66, 132.66, 129.57, 128.57, 128.17, 127.08, 126.40, 125.09, 124.01, 121.74, 118.04, 117.87, 117.08, 116.90, 114.32, 61.69, 54.00, 49.39, 48.26, 47.85, 38.74, 37.34, 37.19.



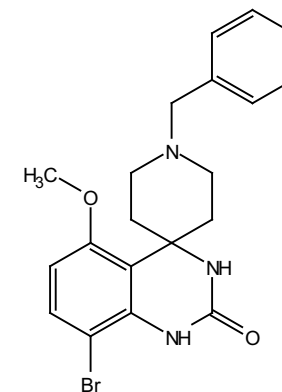
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgfhigqn.2
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	376.50
8 Nucleus	¹⁹ F

¹⁹F NMR (376 MHz, DMSO-*d*₆) δ -135.02 (d, *J* = 22.5 Hz),
-138.13 (d, *J* = 22.1 Hz).



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	16
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	1H

^1H NMR (400 MHz, DMSO- d_6) δ 7.60 (d, $J = 2.1$ Hz, 1H), 7.45 (d, $J = 9.0$ Hz, 1H), 7.33 (d, $J = 5.8$ Hz, 4H), 7.25 (pd, $J = 5.1, 2.5$ Hz, 1H), 7.09 (d, $J = 2.2$ Hz, 1H), 6.65 (d, $J = 9.0$ Hz, 1H), 3.82 (s, 3H), 3.17 (d, $J = 5.3$ Hz, 1H), 2.68 (td, $J = 12.6, 5.2$ Hz, 2H), 2.60 – 2.55 (m, 3H), 1.53 (d, $J = 12.7$ Hz, 2H).



7.61
7.60
7.46
7.44
7.36
7.34
7.33
7.32
7.31
7.28
7.27
7.26
7.25
7.24
7.24
7.24
7.23
7.22
7.09
7.08
7.06
6.66
6.64

3.82
3.79
3.69
3.67
3.66
3.65
3.60
3.59
3.57
3.53 H₂O
3.35
3.33
3.18
3.16
2.72
2.70
2.68
2.67
2.65
2.64
2.58
2.57
2.55
2.54
2.51 DMSO
2.51 DMSO
2.50 DMSO
2.50 DMSO
1.54
1.51

-0.00

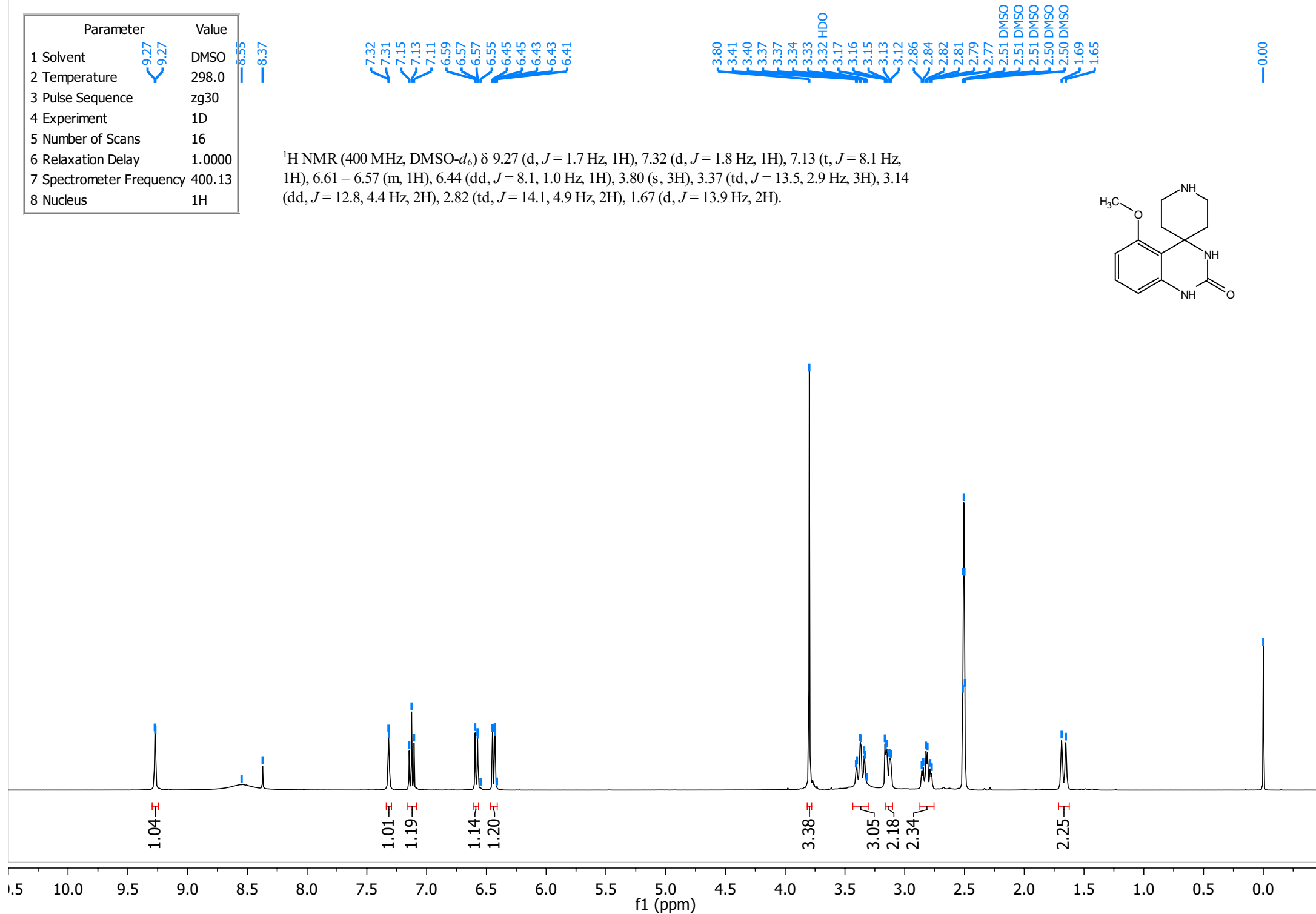
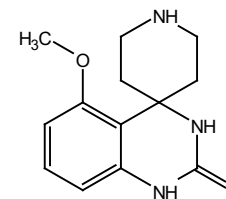
0.85
1.04
4.70
1.36
1.00
1.02
3.12
1.03
2.29
3.33
2.13

10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0

f1 (ppm)

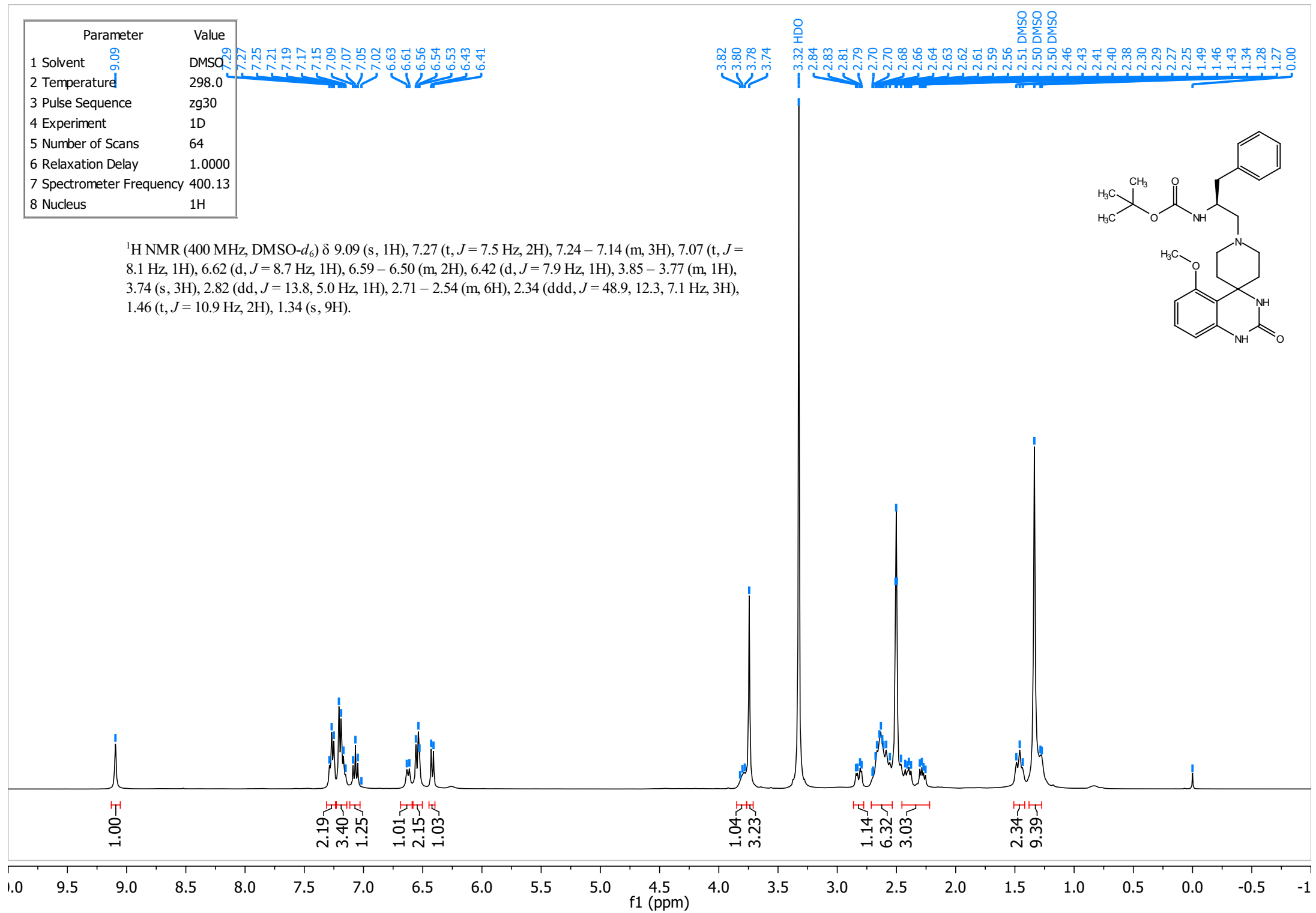
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	16
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	¹ H

¹H NMR (400 MHz, DMSO-*d*₆) δ 9.27 (d, *J* = 1.7 Hz, 1H), 7.32 (d, *J* = 1.8 Hz, 1H), 7.13 (t, *J* = 8.1 Hz, 1H), 6.61 – 6.57 (m, 1H), 6.44 (dd, *J* = 8.1, 1.0 Hz, 1H), 3.80 (s, 3H), 3.37 (td, *J* = 13.5, 2.9 Hz, 3H), 3.14 (dd, *J* = 12.8, 4.4 Hz, 2H), 2.82 (td, *J* = 14.1, 4.9 Hz, 2H), 1.67 (d, *J* = 13.9 Hz, 2H).



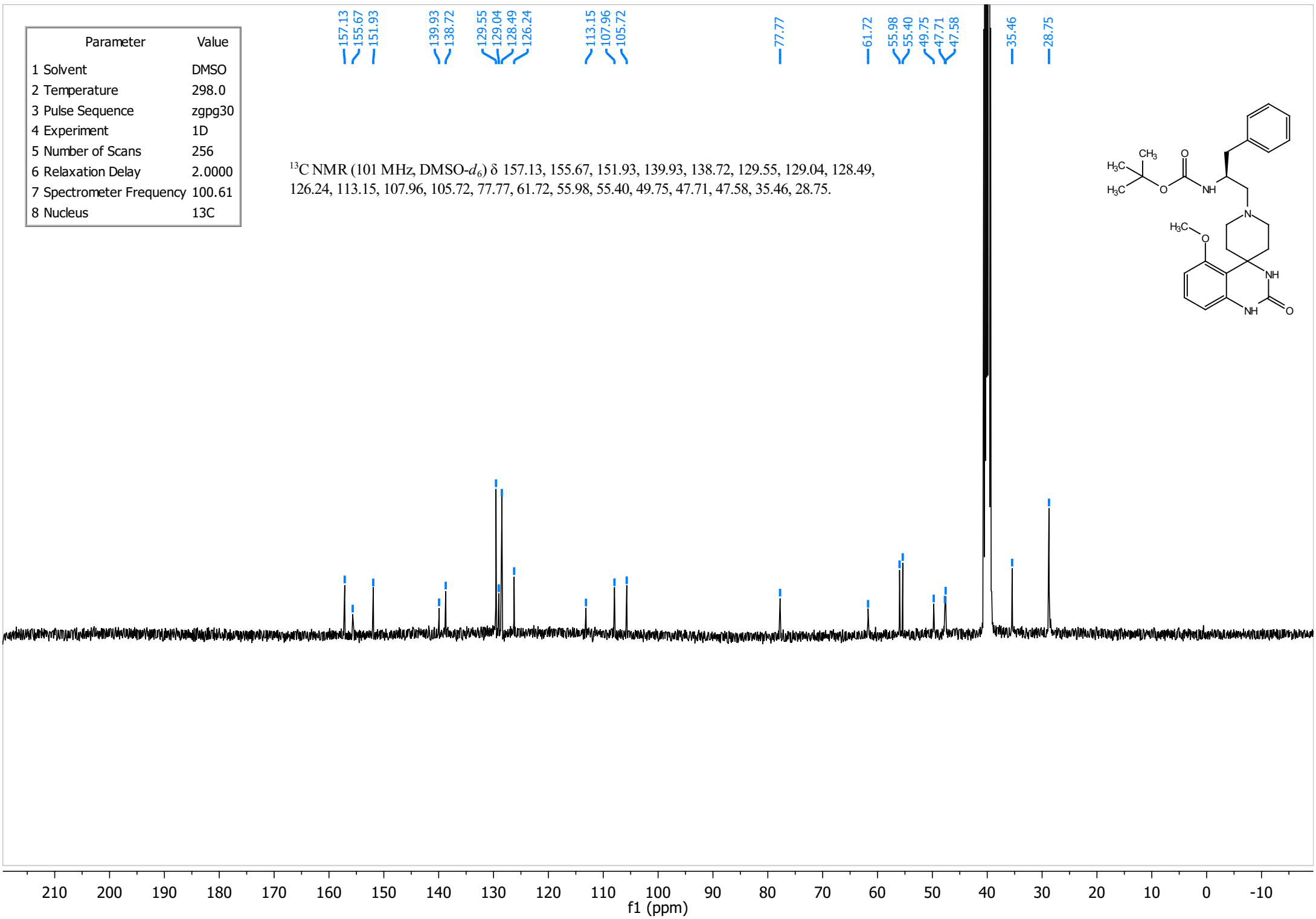
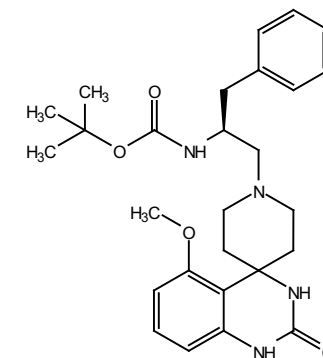
Parameter	Value
1 Solvent	DMSO- d_6
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	^1H

^1H NMR (400 MHz, DMSO- d_6) δ 9.09 (s, 1H), 7.27 (t, $J = 7.5$ Hz, 2H), 7.24 – 7.14 (m, 3H), 7.07 (t, $J = 8.1$ Hz, 1H), 6.62 (d, $J = 8.7$ Hz, 1H), 6.59 – 6.50 (m, 2H), 6.42 (d, $J = 7.9$ Hz, 1H), 3.85 – 3.77 (m, 1H), 3.74 (s, 3H), 2.82 (dd, $J = 13.8, 5.0$ Hz, 1H), 2.71 – 2.54 (m, 6H), 2.34 (ddd, $J = 48.9, 12.3, 7.1$ Hz, 3H), 1.46 (t, $J = 10.9$ Hz, 2H), 1.34 (s, 9H).



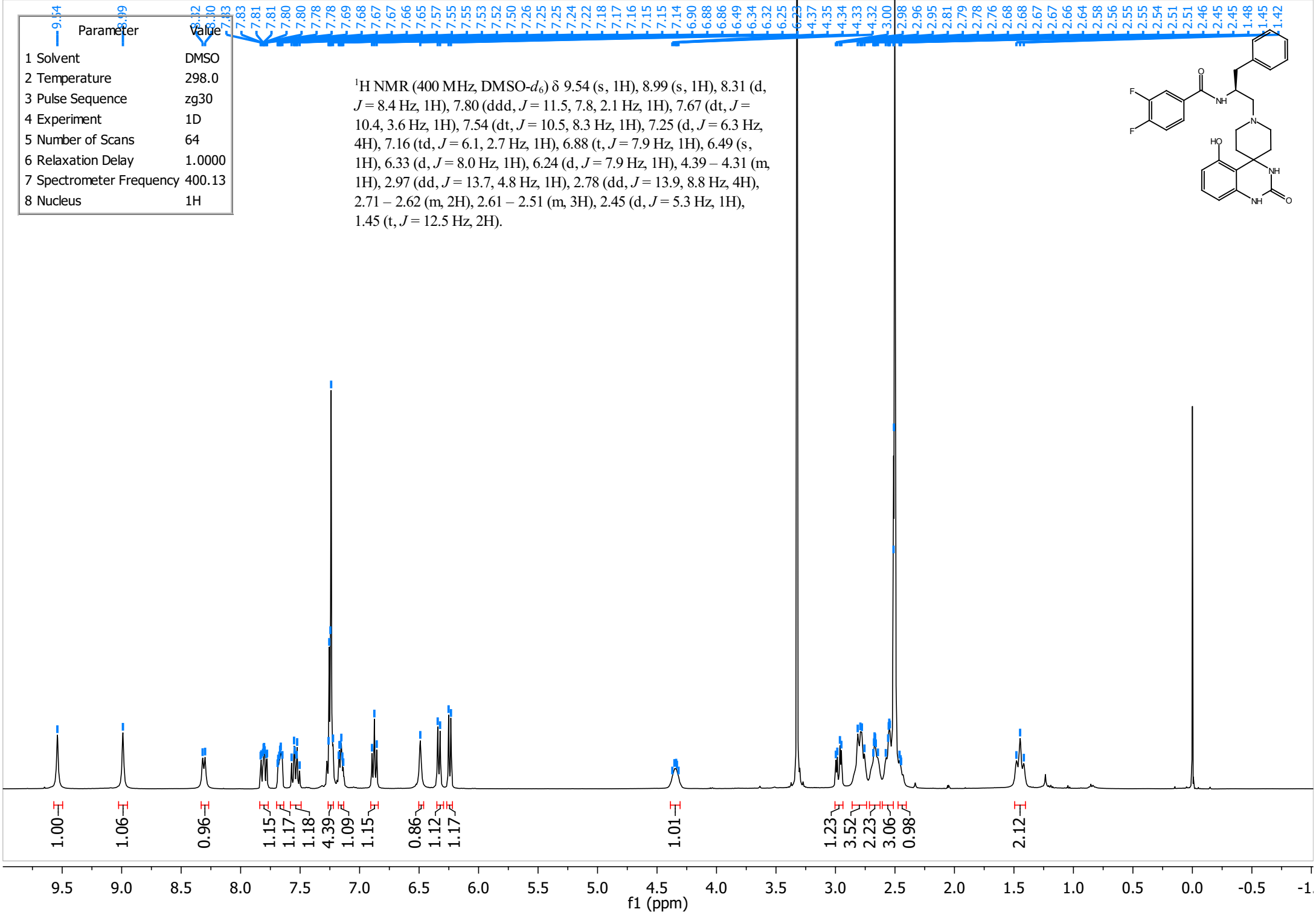
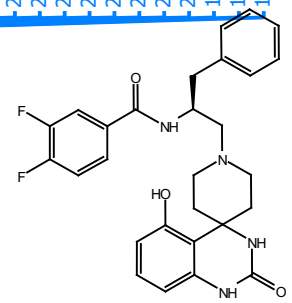
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	256
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ 157.13, 155.67, 151.93, 139.93, 138.72, 129.55, 129.04, 128.49, 126.24, 113.15, 107.96, 105.72, 77.77, 61.72, 55.98, 55.40, 49.75, 47.71, 47.58, 35.46, 28.75.



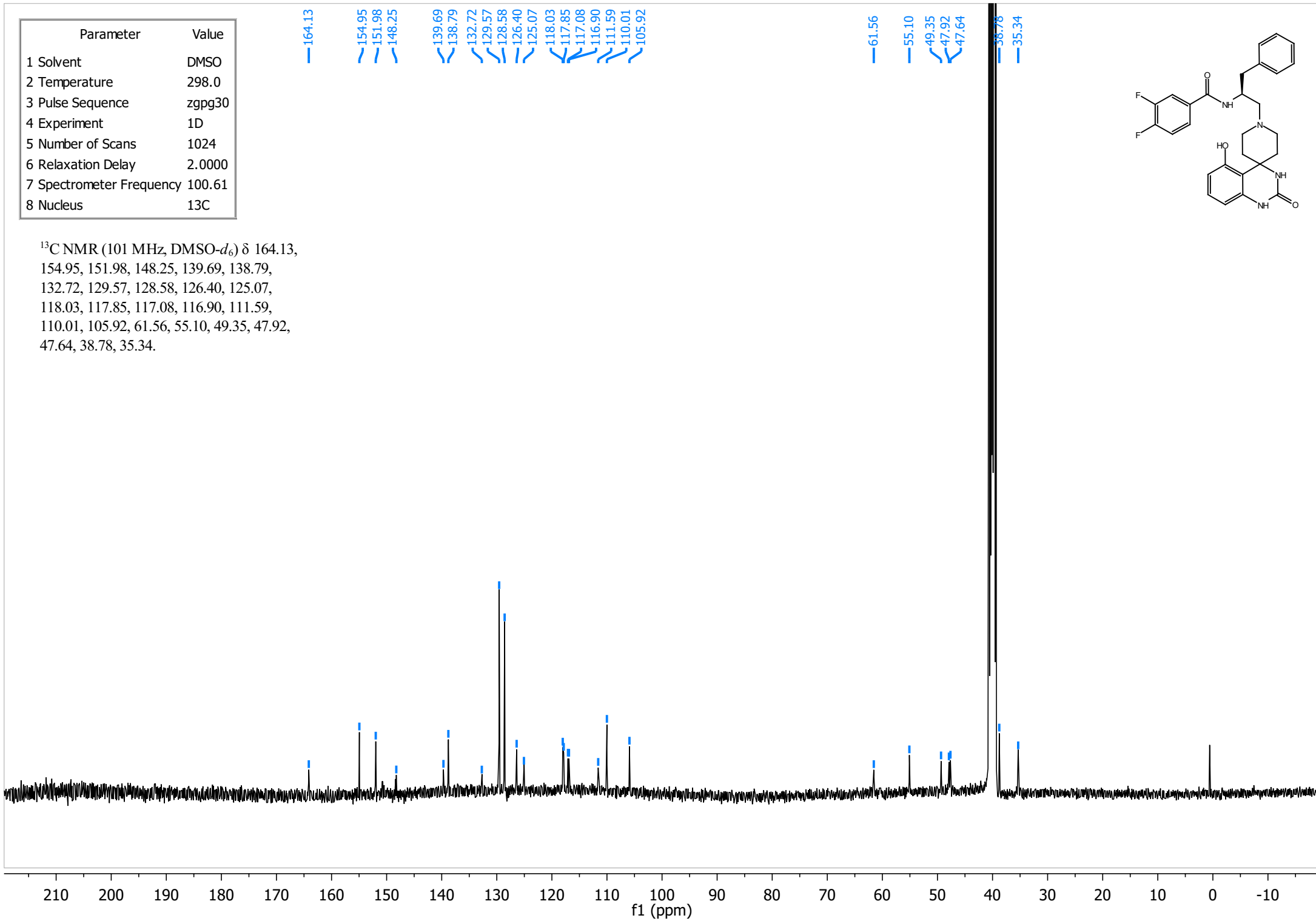
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	1H

¹H NMR (400 MHz, DMSO-*d*₆) δ 9.54 (s, 1H), 8.99 (s, 1H), 8.31 (d, *J* = 8.4 Hz, 1H), 7.80 (ddd, *J* = 11.5, 7.8, 2.1 Hz, 1H), 7.67 (dt, *J* = 10.4, 3.6 Hz, 1H), 7.54 (dt, *J* = 10.5, 8.3 Hz, 1H), 7.25 (d, *J* = 6.3 Hz, 4H), 7.16 (td, *J* = 6.1, 2.7 Hz, 1H), 6.88 (t, *J* = 7.9 Hz, 1H), 6.49 (s, 1H), 6.33 (d, *J* = 8.0 Hz, 1H), 6.24 (d, *J* = 7.9 Hz, 1H), 4.39 – 4.31 (m, 1H), 2.97 (dd, *J* = 13.7, 4.8 Hz, 1H), 2.78 (dd, *J* = 13.9, 8.8 Hz, 4H), 2.71 – 2.62 (m, 2H), 2.61 – 2.51 (m, 3H), 2.45 (d, *J* = 5.3 Hz, 1H), 1.45 (t, *J* = 12.5 Hz, 2H).



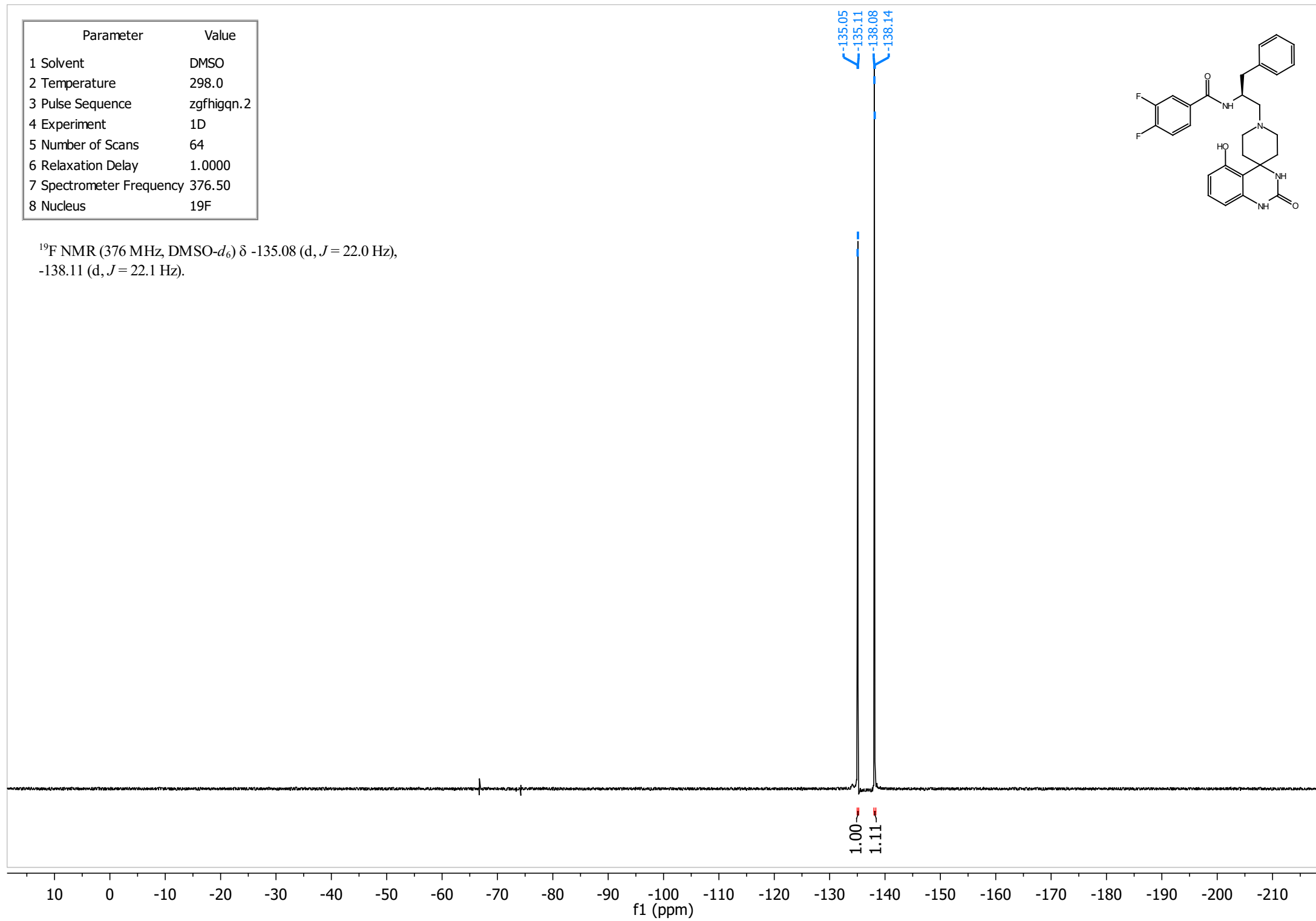
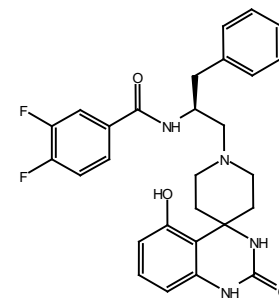
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	1024
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ 164.13, 154.95, 151.98, 148.25, 139.69, 138.79, 132.72, 129.57, 128.58, 126.40, 125.07, 118.03, 117.85, 117.08, 116.90, 111.59, 110.01, 105.92, 61.56, 55.10, 49.35, 47.92, 47.64, 38.78, 35.34.



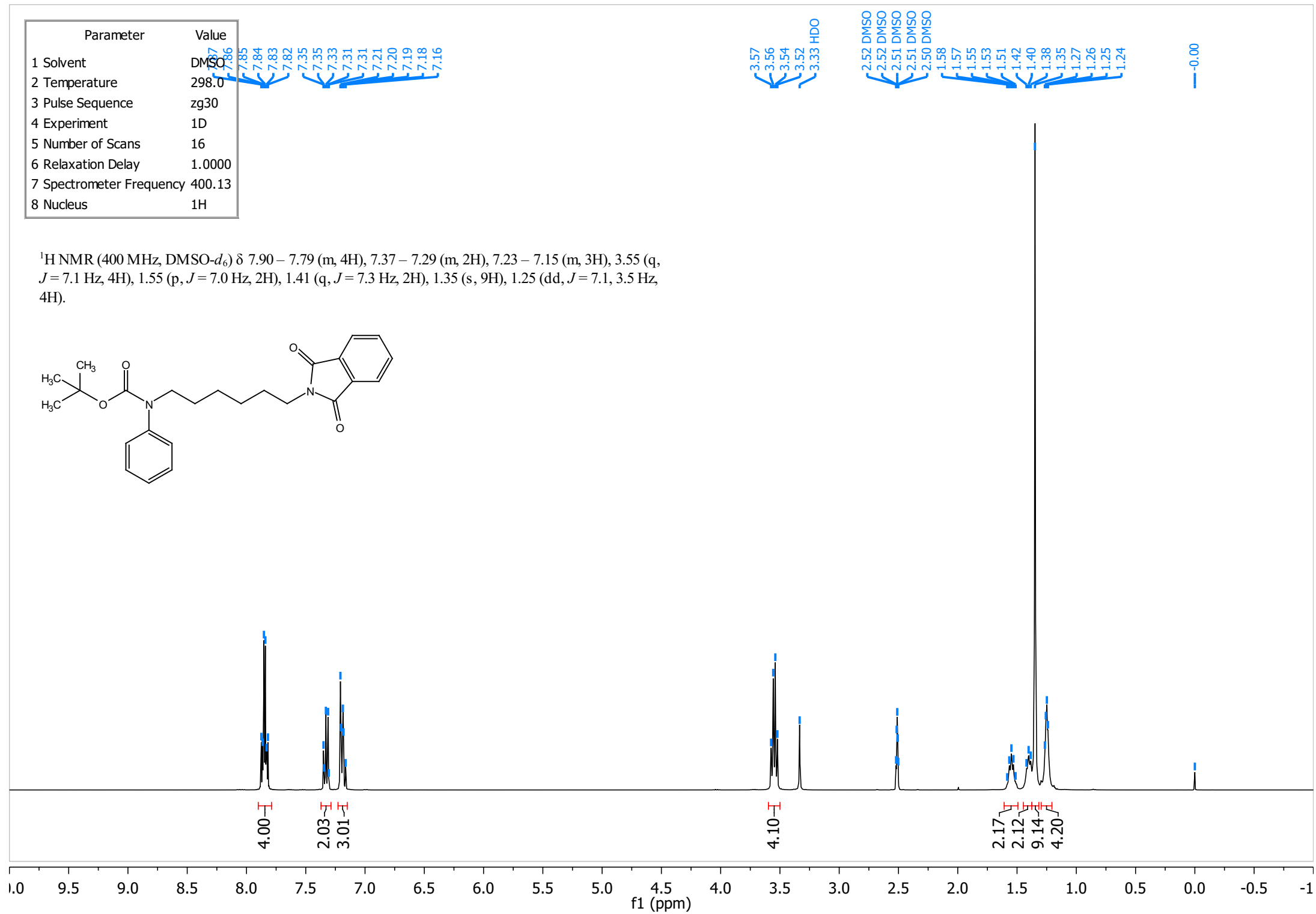
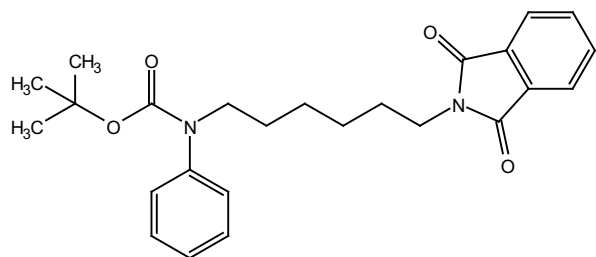
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgfhigqn.2
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	376.50
8 Nucleus	¹⁹ F

¹⁹F NMR (376 MHz, DMSO-*d*₆) δ -135.08 (d, *J* = 22.0 Hz),
-138.11 (d, *J* = 22.1 Hz).



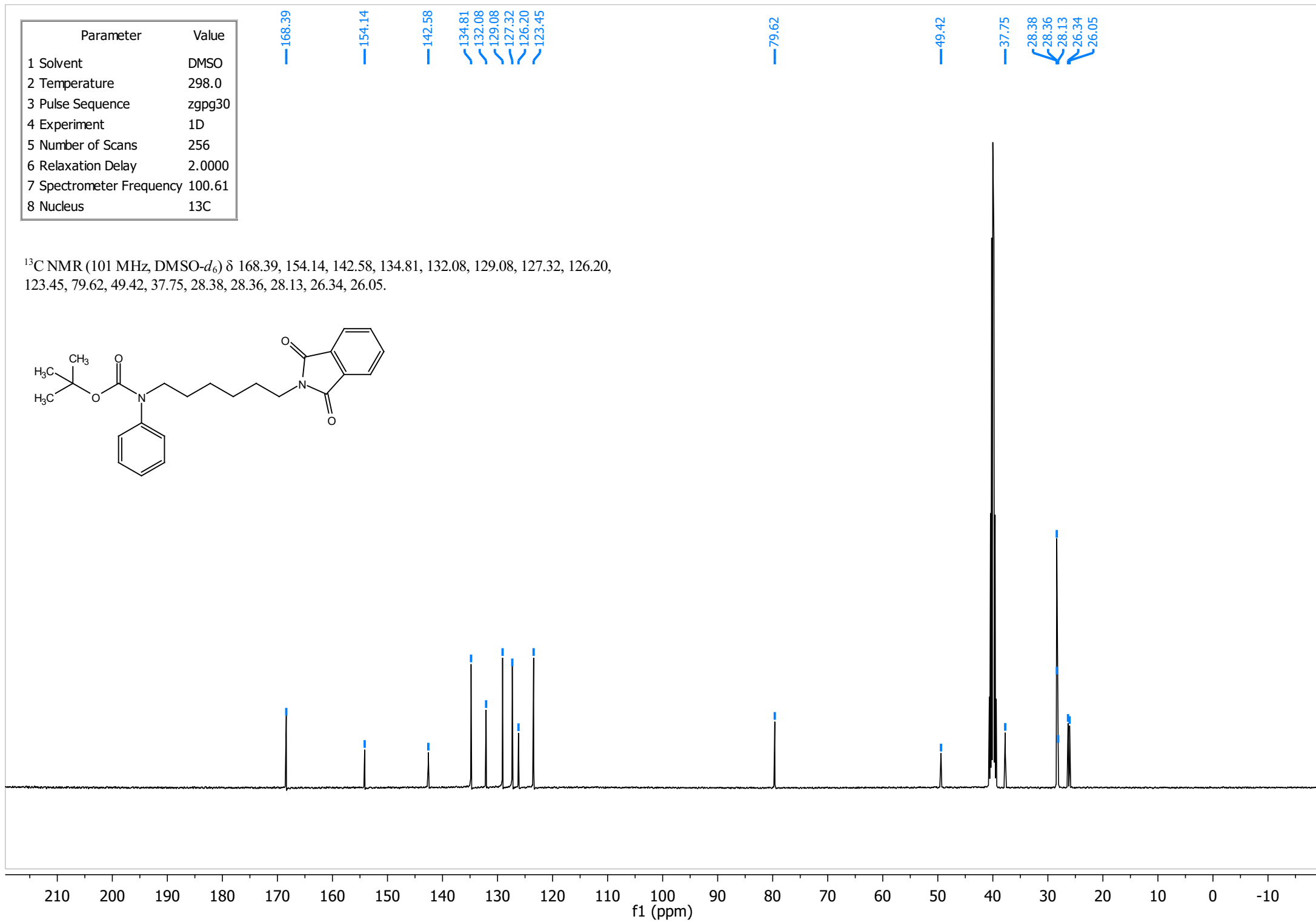
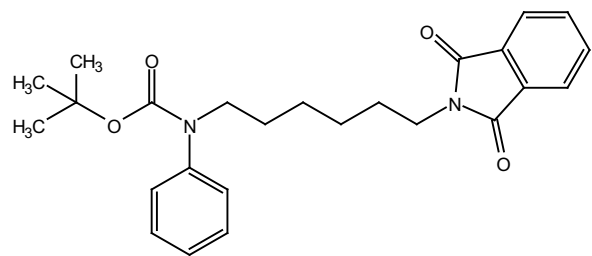
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	16
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	¹ H

¹H NMR (400 MHz, DMSO-*d*₆) δ 7.90 – 7.79 (m, 4H), 7.37 – 7.29 (m, 2H), 7.23 – 7.15 (m, 3H), 3.55 (q, *J* = 7.1 Hz, 4H), 1.55 (p, *J* = 7.0 Hz, 2H), 1.41 (q, *J* = 7.3 Hz, 2H), 1.35 (s, 9H), 1.25 (dd, *J* = 7.1, 3.5 Hz, 4H).



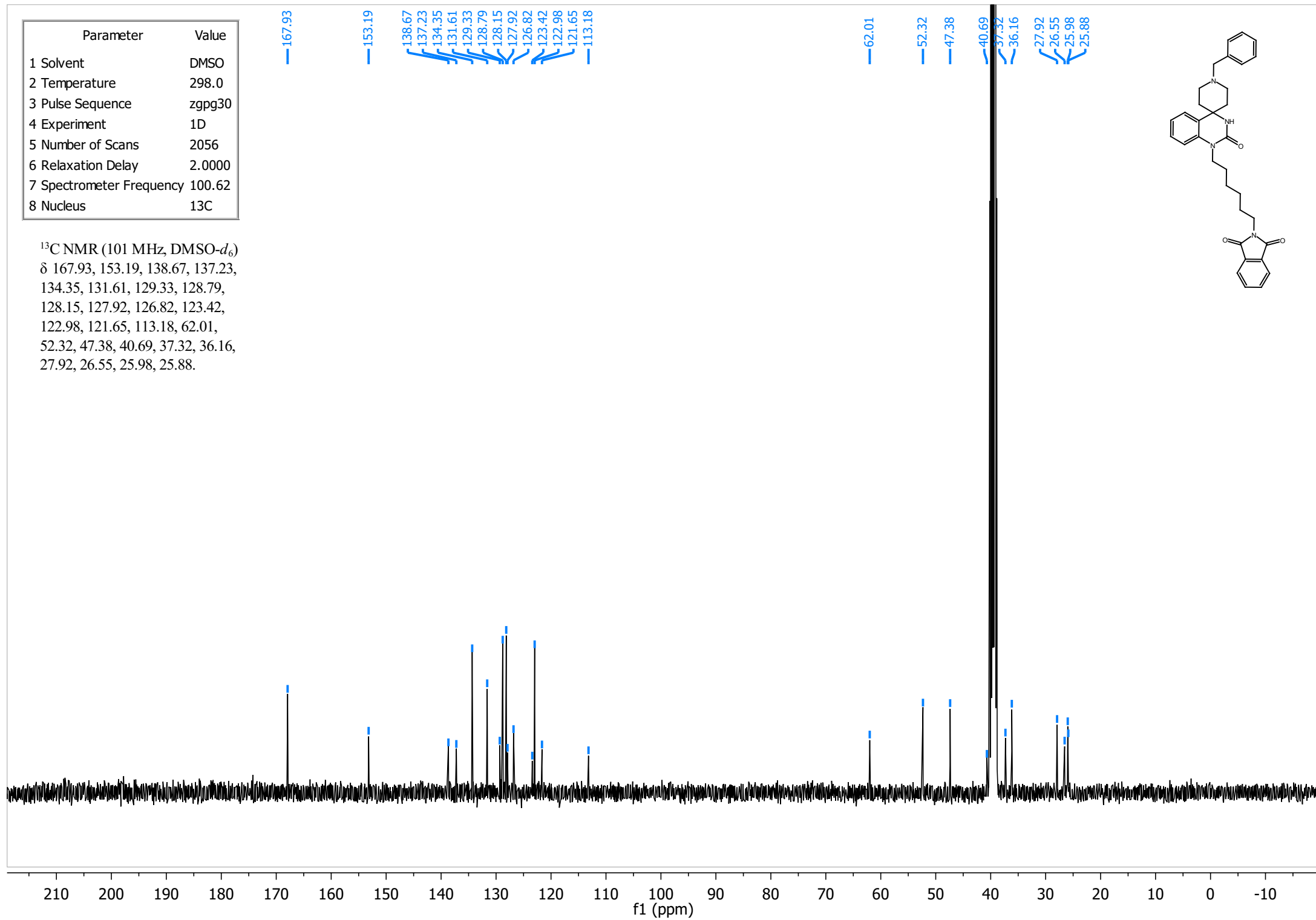
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	256
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ 168.39, 154.14, 142.58, 134.81, 132.08, 129.08, 127.32, 126.20, 123.45, 79.62, 49.42, 37.75, 28.38, 28.36, 28.13, 26.34, 26.05.



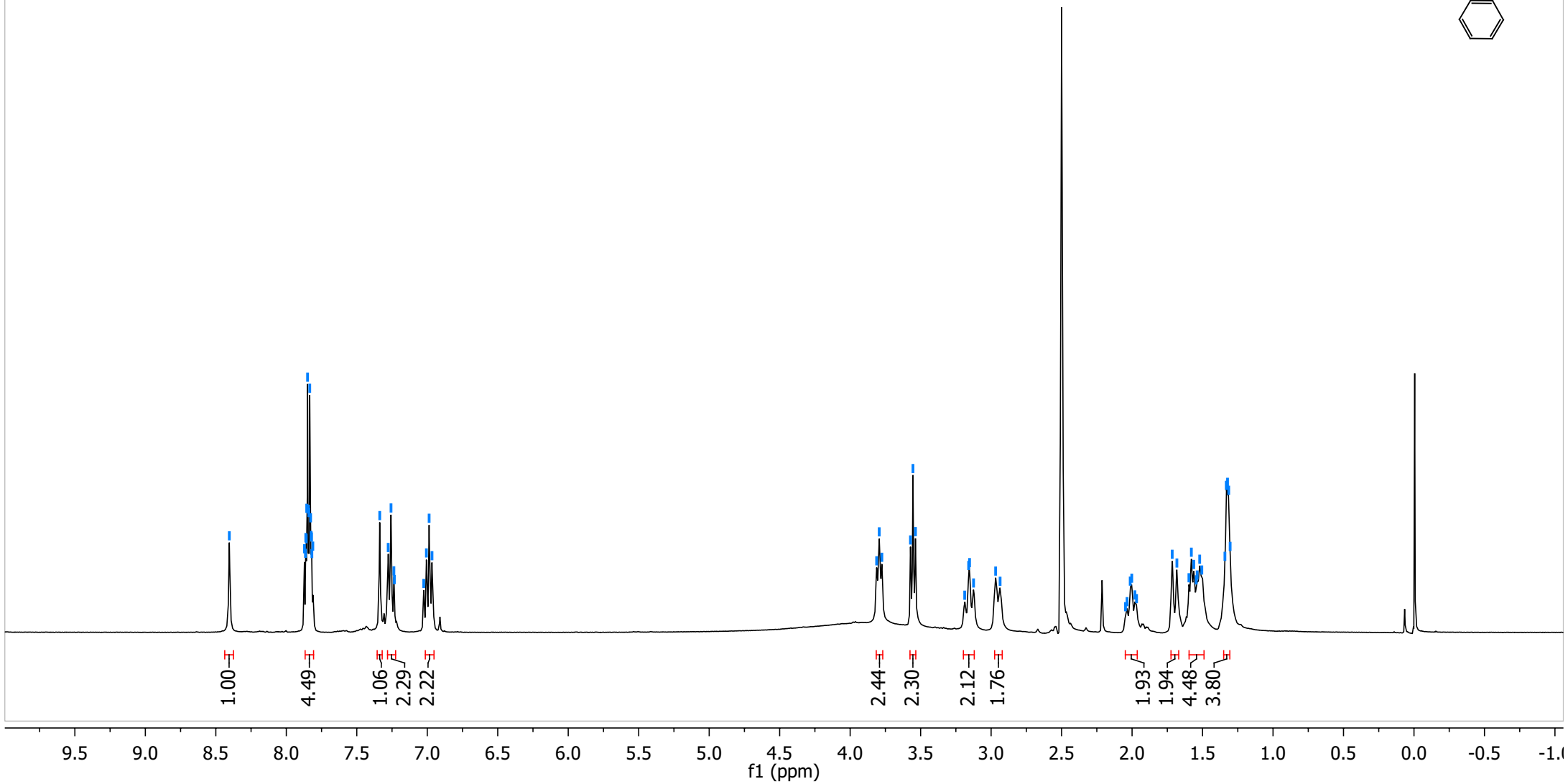
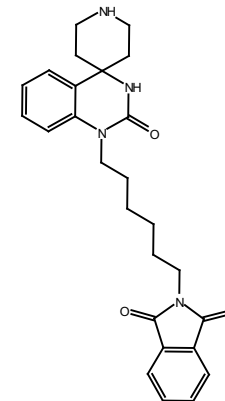
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	2056
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.62
8 Nucleus	13C

¹³C NMR (101 MHz, DMSO-*d*₆)
 δ 167.93, 153.19, 138.67, 137.23,
134.35, 131.61, 129.33, 128.79,
128.15, 127.92, 126.82, 123.42,
122.98, 121.65, 113.18, 62.01,
52.32, 47.38, 40.69, 37.32, 36.16,
27.92, 26.55, 25.98, 25.88.



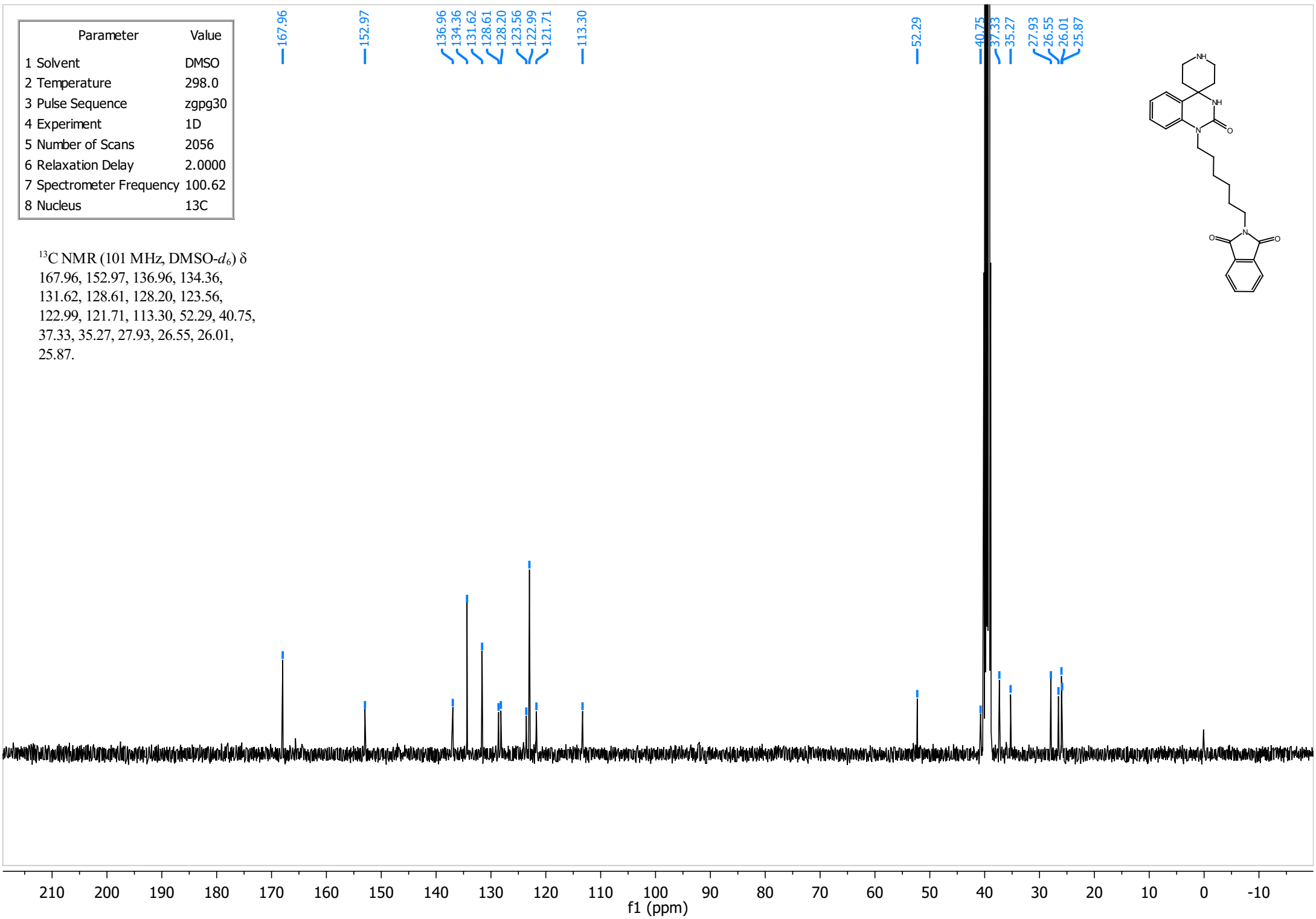
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	128
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.14
8 Nucleus	¹ H

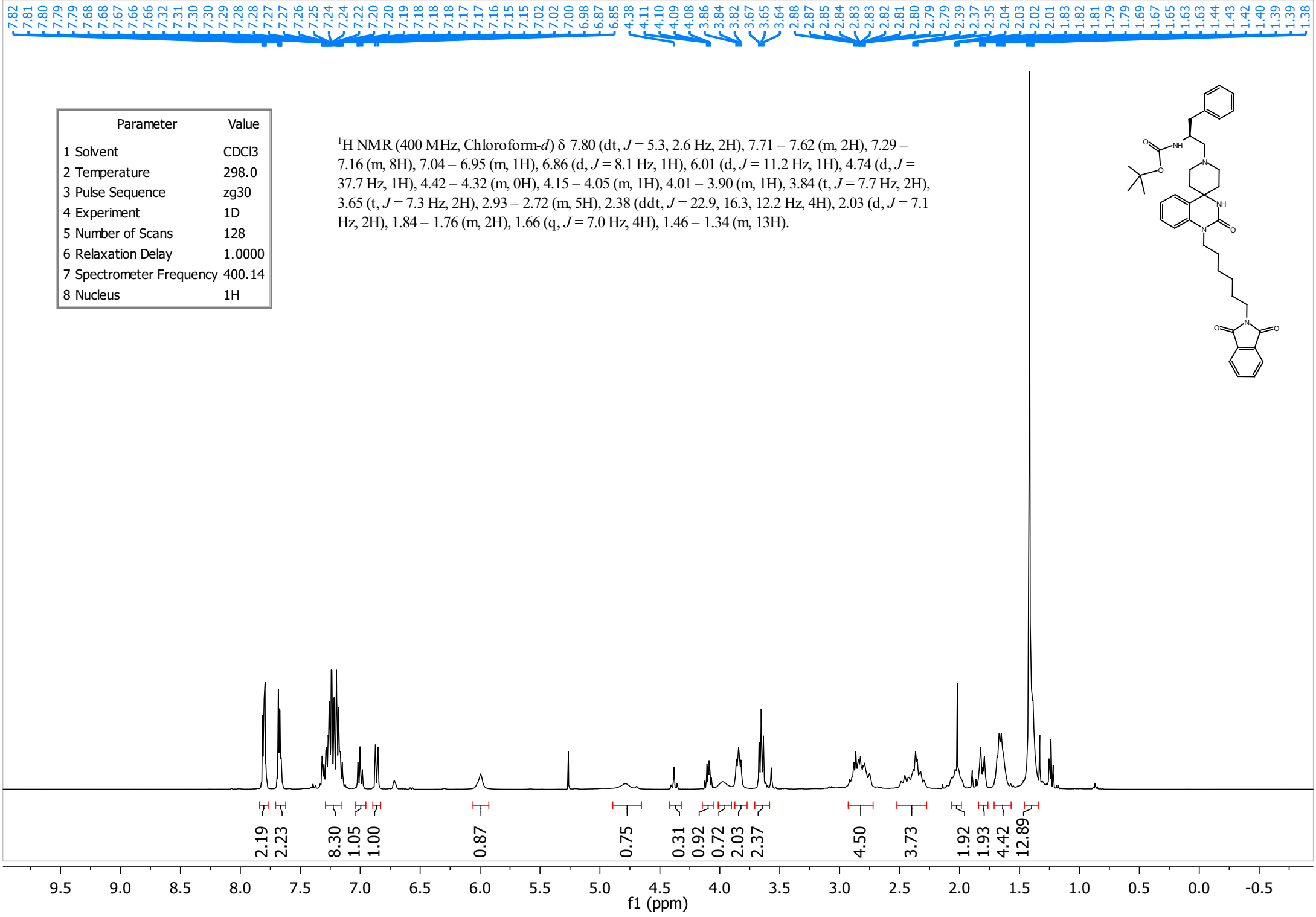
¹H NMR (400 MHz, DMSO-*d*₆) δ 8.40 (s, 1H), 7.87 – 7.81 (m, 4H), 7.34 (s, 1H), 7.26 (t, *J* = 8.1 Hz, 2H), 6.99 (t, *J* = 7.9 Hz, 2H), 3.79 (t, *J* = 7.4 Hz, 2H), 3.55 (t, *J* = 7.1 Hz, 2H), 3.20 – 3.12 (m, 2H), 2.95 (d, *J* = 12.7 Hz, 2H), 2.01 (td, *J* = 13.5, 4.6 Hz, 2H), 1.70 (d, *J* = 13.3 Hz, 2H), 1.60 – 1.49 (m, 4H), 1.35 – 1.31 (m, 4H).



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	2056
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.62
8 Nucleus	¹³ C

¹³C NMR (101 MHz, DMSO-*d*₆) δ
 167.96, 152.97, 136.96, 134.36,
 131.62, 128.61, 128.20, 123.56,
 122.99, 121.71, 113.30, 52.29, 40.75,
 37.33, 35.27, 27.93, 26.55, 26.01,
 25.87.





7.82
7.81
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7.18
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7.17
7.17
7.16
7.15
7.15
7.02
7.02
7.00
6.98
6.87
6.85
4.38
4.11
4.10
4.09
4.08
3.86
3.84
3.82
3.67
3.65
3.64
2.88
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2.85
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2.83
2.82
2.81
2.80
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2.79
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2.37
2.35
2.04
2.03
2.02
2.01
1.83
1.82
1.81
1.79
1.79
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1.67
1.65
1.63
1.63
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1.43
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1.39
1.38

2.19
2.23
8.30
1.05
1.00
0.87
0.75
0.31
0.92
0.72
2.03
2.37
4.50
3.73
1.92
1.93
4.42
12.89

9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5

f1 (ppm)

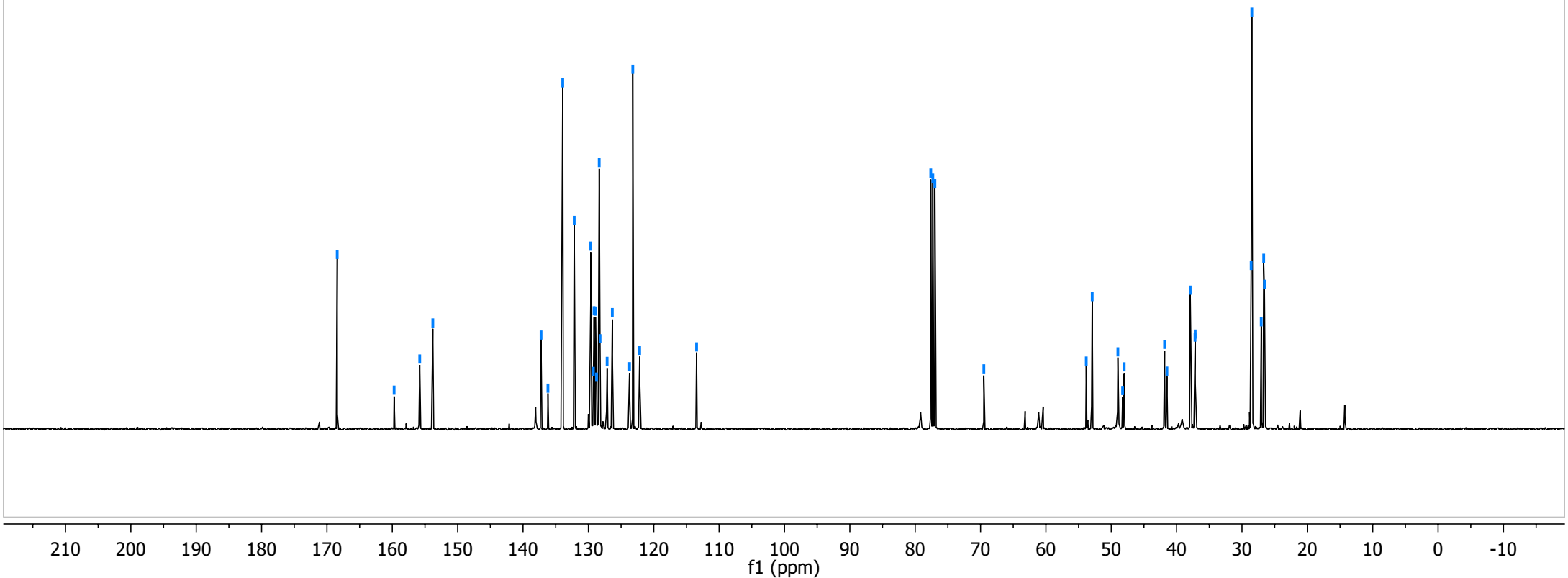
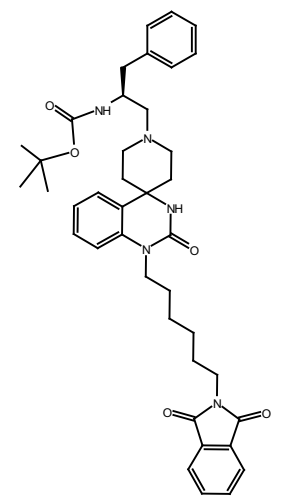
Parameter	Value
1 Solvent	CDCl3
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	2056
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.62
8 Nucleus	13C

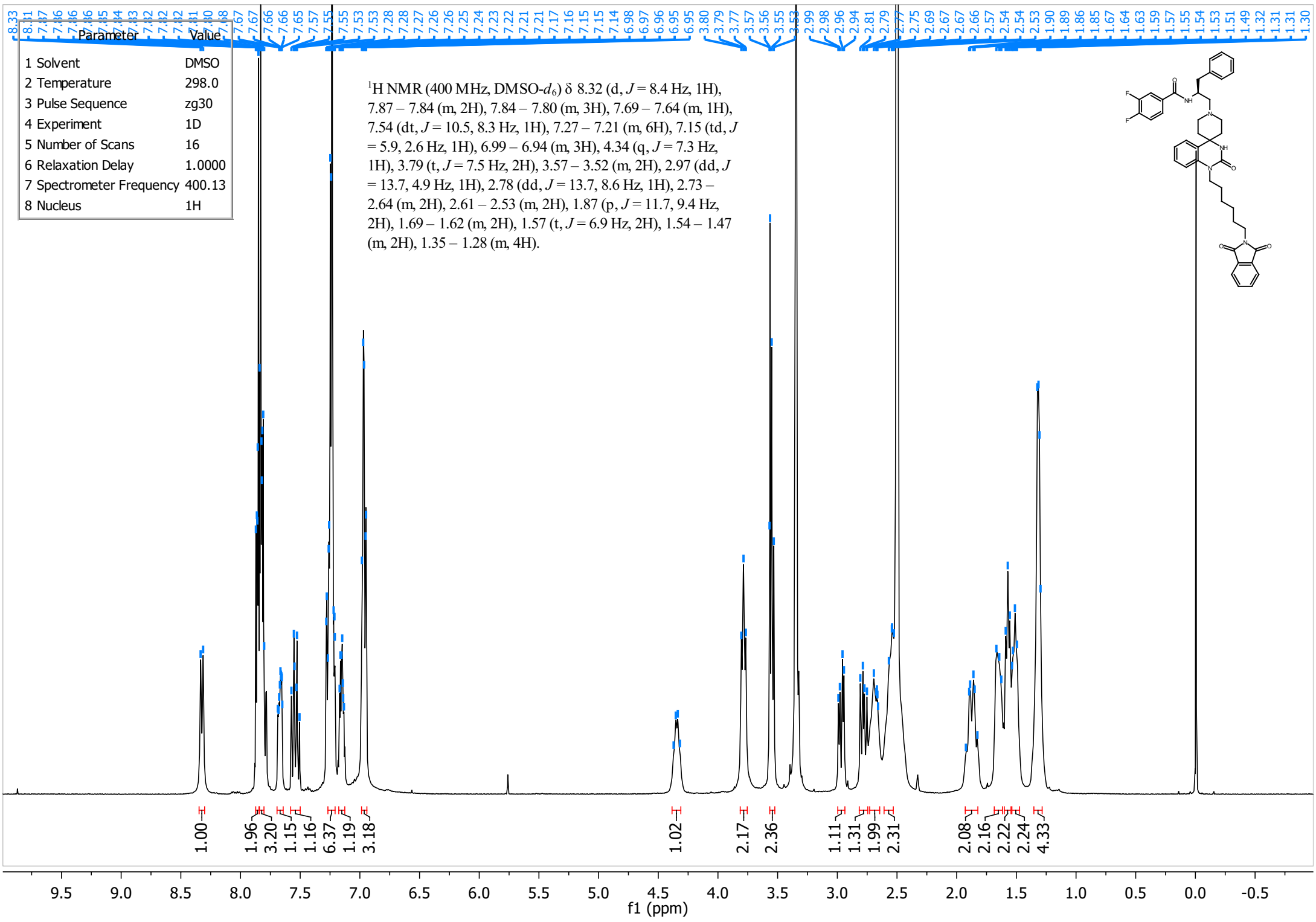
¹³C NMR (101 MHz, Chloroform-*d*) δ 168.43, 159.72, 155.80, 153.80, 137.24, 136.19, 133.93, 132.17, 129.64, 129.24, 129.14, 128.92, 128.76, 128.35, 128.22, 127.14, 126.34, 123.71, 123.21, 122.16, 113.45, 77.62, 77.30, 76.98, 69.50, 53.83, 52.92, 48.99, 48.26, 48.02, 41.84, 41.48, 37.92, 37.19, 37.16, 28.60, 28.50, 27.06, 26.68, 26.57.

168.43
159.72
155.80
153.80
137.24
136.19
133.93
132.17
129.64
129.24
129.14
128.92
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128.35
128.22
127.14
126.34
123.71
123.21
122.16
113.45

77.62
77.30
76.98
69.50

53.83
52.92
48.99
48.26
48.02
41.84
41.48
37.92
37.19
37.16
28.60
28.50
27.06
26.68
26.57





1.00

1.96

3.20

1.15

1.16

6.37

1.19

3.18

1.02

2.17

2.36

1.11

1.31

1.99

2.31

2.08

2.16

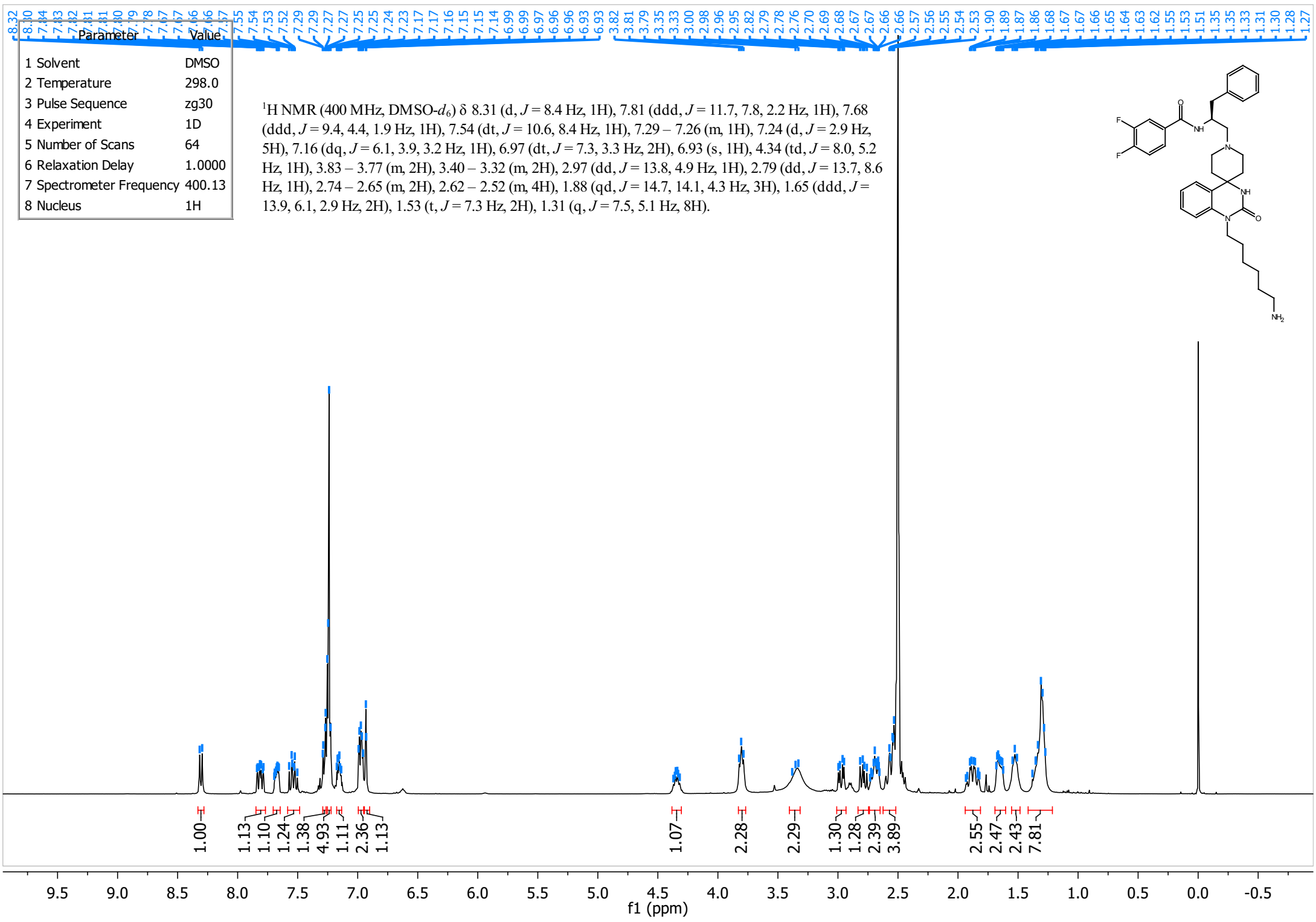
2.22

2.24

4.33

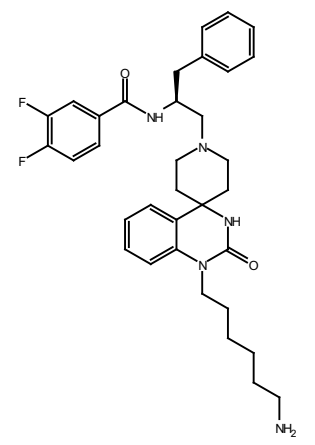
8.33 8.11 7.87 7.86 7.86 7.85 7.84 7.83 7.82 7.82 7.81 7.80 7.78 7.67 7.66 7.66 7.65 7.55 7.55 7.53 7.53 7.28 7.28 7.27 7.26 7.26 7.25 7.24 7.23 7.22 7.21 7.21 7.17 7.16 7.15 7.15 7.14 6.98 6.97 6.95 6.95 3.80 3.79 3.77 3.57 3.56 3.55 3.53 2.99 2.98 2.96 2.94 2.81 2.79 2.77 2.75 2.69 2.67 2.67 2.66 2.57 2.54 2.54 2.53 2.53 1.90 1.89 1.86 1.85 1.67 1.64 1.63 1.59 1.57 1.55 1.54 1.53 1.51 1.49 1.32 1.31 1.31 1.30

f1 (ppm)



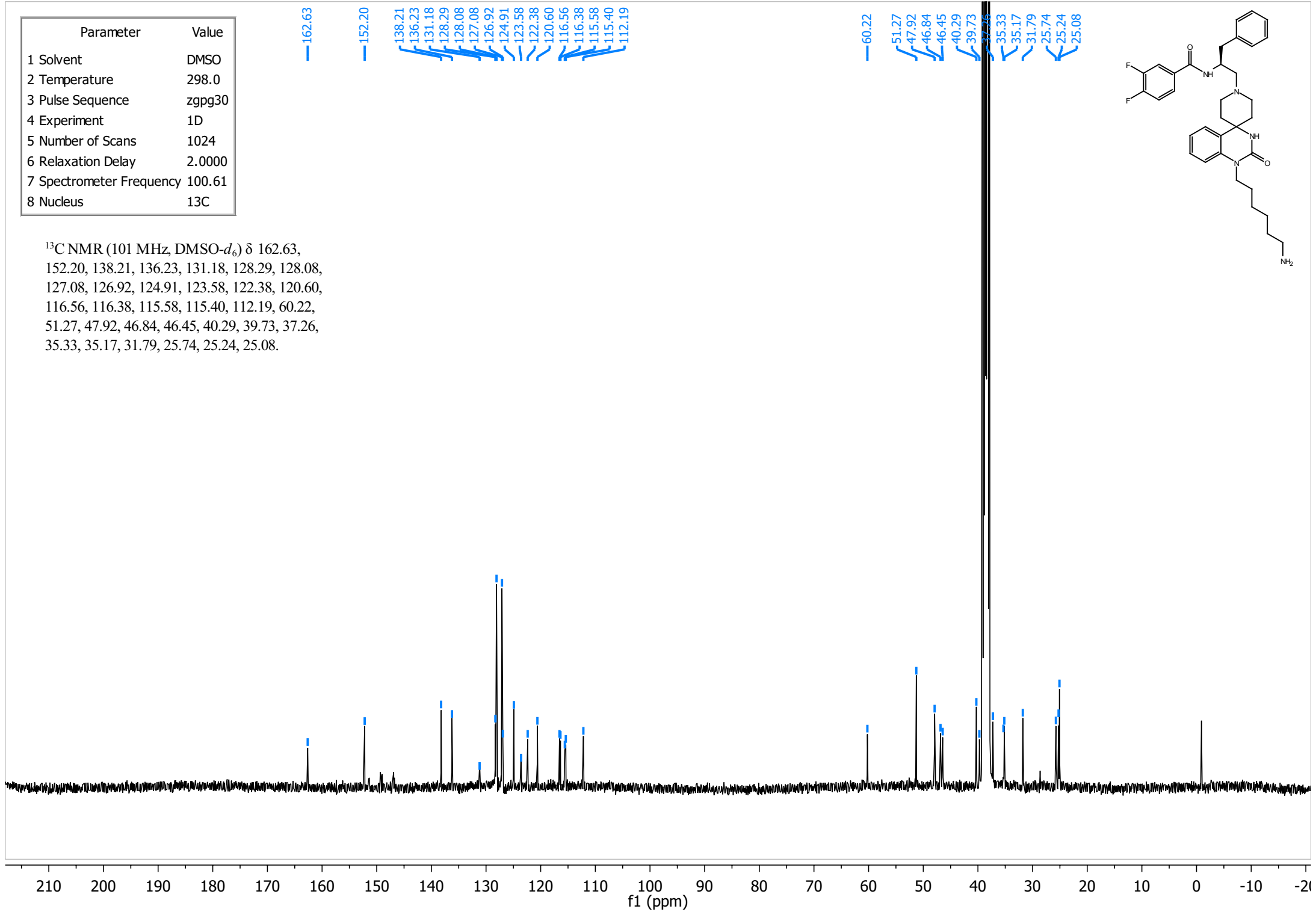
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.13
8 Nucleus	1H

¹H NMR (400 MHz, DMSO-*d*₆) δ 8.31 (d, *J* = 8.4 Hz, 1H), 7.81 (ddd, *J* = 11.7, 7.8, 2.2 Hz, 1H), 7.68 (ddd, *J* = 9.4, 4.4, 1.9 Hz, 1H), 7.54 (dt, *J* = 10.6, 8.4 Hz, 1H), 7.29 – 7.26 (m, 1H), 7.24 (d, *J* = 2.9 Hz, 5H), 7.16 (dq, *J* = 6.1, 3.9, 3.2 Hz, 1H), 6.97 (dt, *J* = 7.3, 3.3 Hz, 2H), 6.93 (s, 1H), 4.34 (td, *J* = 8.0, 5.2 Hz, 1H), 3.83 – 3.77 (m, 2H), 3.40 – 3.32 (m, 2H), 2.97 (dd, *J* = 13.8, 4.9 Hz, 1H), 2.79 (dd, *J* = 13.7, 8.6 Hz, 1H), 2.74 – 2.65 (m, 2H), 2.62 – 2.52 (m, 4H), 1.88 (qd, *J* = 14.7, 14.1, 4.3 Hz, 3H), 1.65 (ddd, *J* = 13.9, 6.1, 2.9 Hz, 2H), 1.53 (t, *J* = 7.3 Hz, 2H), 1.31 (q, *J* = 7.5, 5.1 Hz, 8H).



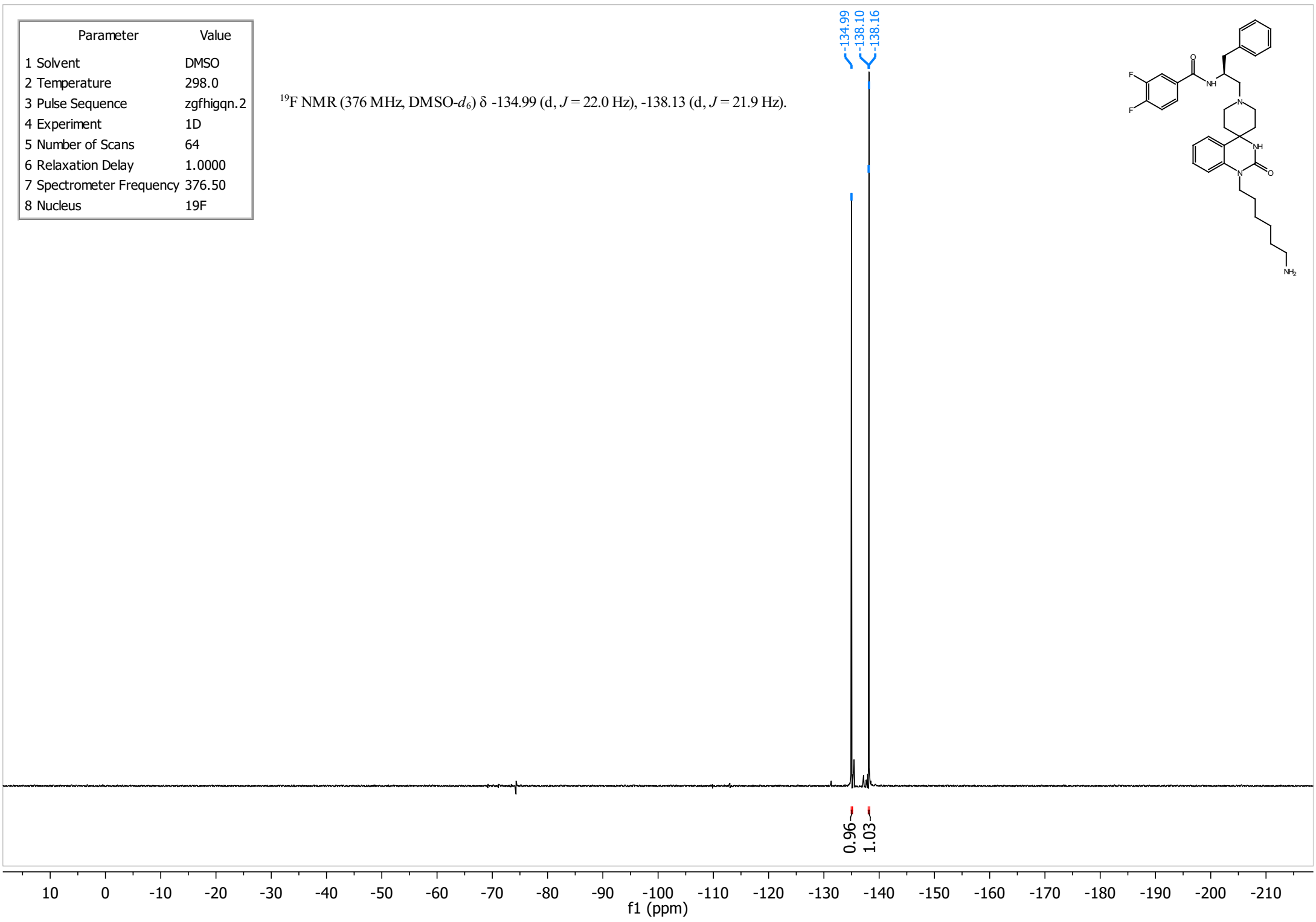
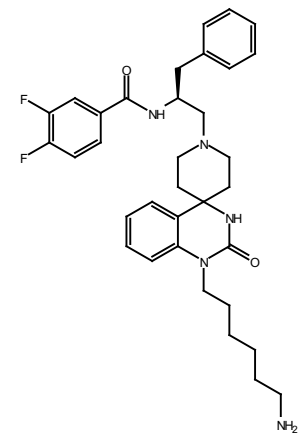
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	1024
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.61
8 Nucleus	13C

^{13}C NMR (101 MHz, DMSO- d_6) δ 162.63, 152.20, 138.21, 136.23, 131.18, 128.29, 128.08, 127.08, 126.92, 124.91, 123.58, 122.38, 120.60, 116.56, 116.38, 115.58, 115.40, 112.19, 60.22, 51.27, 47.92, 46.84, 46.45, 40.29, 39.73, 37.26, 35.33, 35.17, 31.79, 25.74, 25.24, 25.08.



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgfhigqn.2
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	376.50
8 Nucleus	¹⁹ F

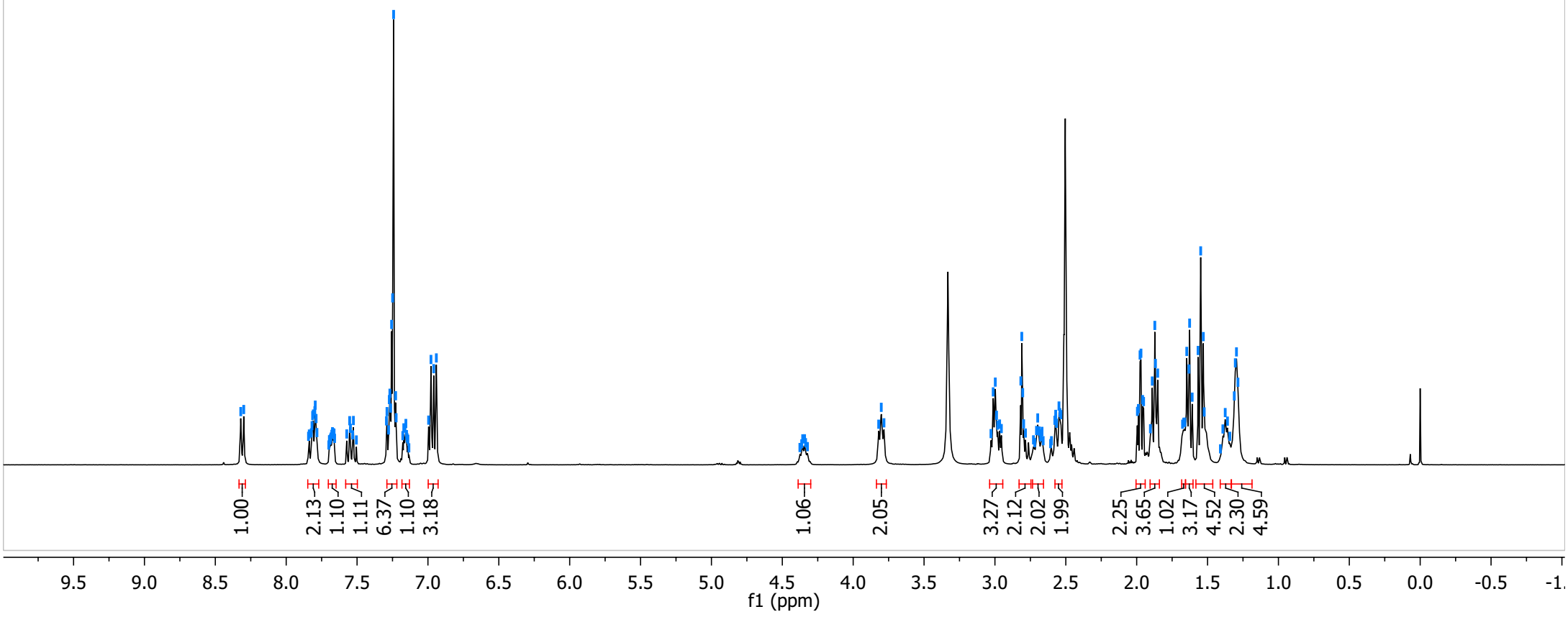
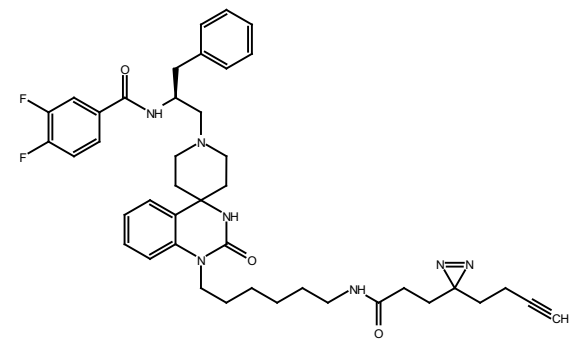
¹⁹F NMR (376 MHz, DMSO-*d*₆) δ -134.99 (d, *J* = 22.0 Hz), -138.13 (d, *J* = 21.9 Hz).



8.32 8.30 7.82 7.81 7.80 7.79 7.78 7.67 7.67 7.55 7.55 7.53 7.29 7.28 7.27 7.26 7.26 7.25 7.24 7.23 7.22 7.17 7.16 7.16 7.00 6.98 6.96 6.94 3.82 3.80 3.78 3.01 3.00 2.99 2.98 2.97 2.95 2.82 2.81 2.80 2.80 2.78 2.71 2.70 2.69 2.67 2.58 2.57 2.57 2.55 2.54 2.53 1.99 1.99 1.98 1.97 1.96 1.95 1.90 1.89 1.87 1.87 1.85 1.68 1.67 1.66 1.65 1.63 1.63 1.61 1.57 1.55 1.55 1.52 1.39 1.38 1.36 1.31 1.30 1.30 1.29

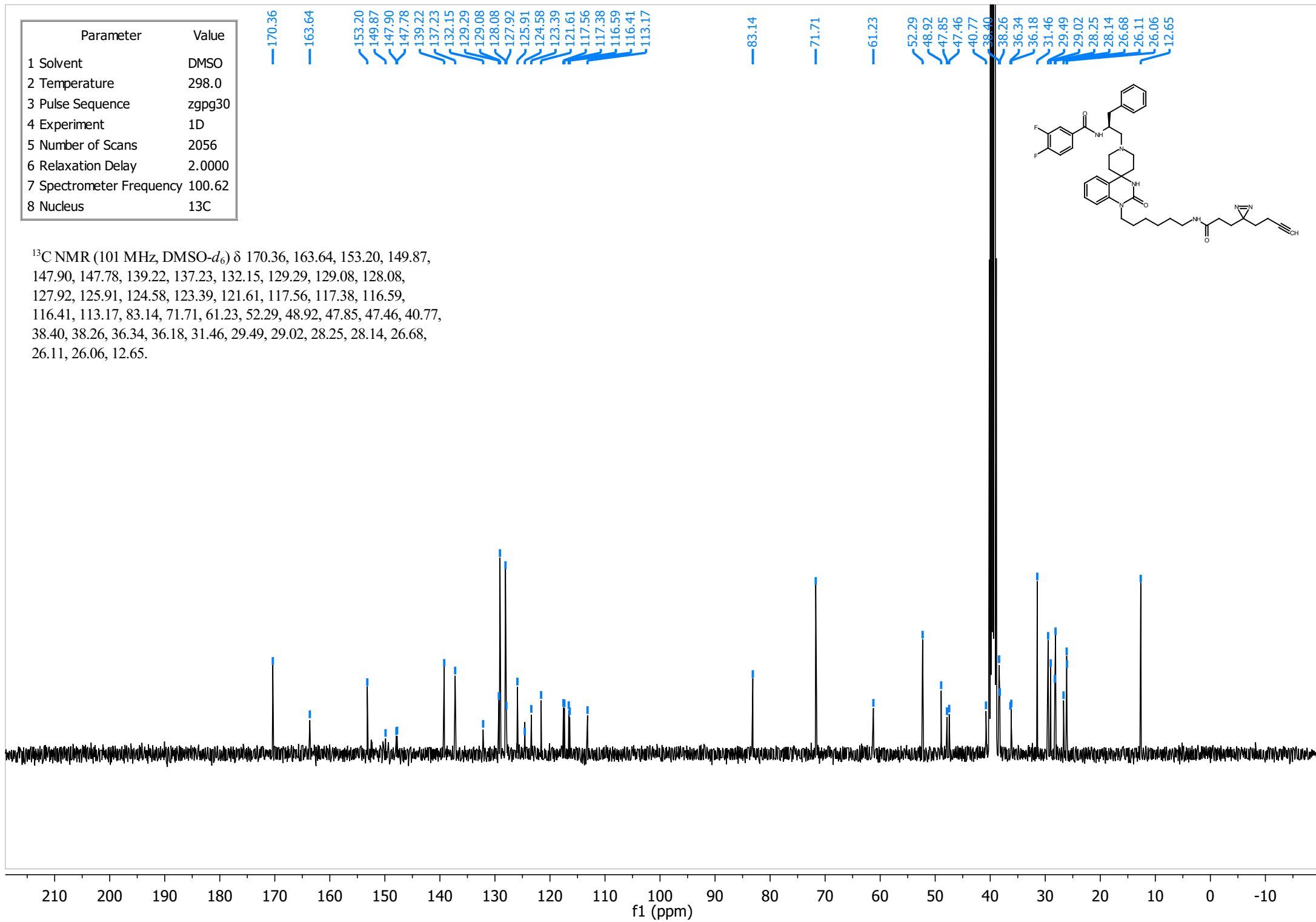
Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zg30
4 Experiment	1D
5 Number of Scans	256
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	400.14
8 Nucleus	¹ H

¹H NMR (400 MHz, DMSO-*d*₆) δ 8.31 (d, *J* = 8.4 Hz, 1H), 7.85 – 7.77 (m, 2H), 7.68 (ddt, *J* = 8.0, 4.6, 1.5 Hz, 1H), 7.54 (dt, *J* = 10.5, 8.3 Hz, 1H), 7.29 – 7.22 (m, 6H), 7.15 (ddd, *J* = 6.6, 5.7, 2.8 Hz, 1H), 6.97 (dd, *J* = 14.8, 7.1 Hz, 3H), 4.35 (td, *J* = 8.0, 5.2 Hz, 1H), 3.80 (t, *J* = 7.5 Hz, 2H), 2.99 (dq, *J* = 10.4, 5.6, 4.9 Hz, 3H), 2.83 – 2.75 (m, 2H), 2.69 (dq, *J* = 11.6, 5.9, 3.2 Hz, 2H), 2.58 – 2.53 (m, 2H), 1.97 (td, *J* = 7.4, 2.7 Hz, 2H), 1.87 (dd, *J* = 8.6, 6.8 Hz, 4H), 1.68 – 1.66 (m, 1H), 1.63 (dd, *J* = 8.6, 6.7 Hz, 3H), 1.55 (t, *J* = 7.4 Hz, 5H), 1.38 (p, *J* = 6.8 Hz, 2H), 1.30 (dd, *J* = 6.8, 3.5 Hz, 5H).



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgpg30
4 Experiment	1D
5 Number of Scans	2056
6 Relaxation Delay	2.0000
7 Spectrometer Frequency	100.62
8 Nucleus	13C

^{13}C NMR (101 MHz, DMSO- d_6) δ 170.36, 163.64, 153.20, 149.87, 147.90, 147.78, 139.22, 137.23, 132.15, 129.29, 129.08, 128.08, 127.92, 125.91, 124.58, 123.39, 121.61, 117.56, 117.38, 116.59, 116.41, 113.17, 83.14, 71.71, 61.23, 52.29, 48.92, 47.85, 47.46, 40.77, 38.40, 38.26, 36.34, 36.18, 31.46, 29.49, 29.02, 28.25, 28.14, 26.68, 26.11, 26.06, 12.65.



Parameter	Value
1 Solvent	DMSO
2 Temperature	298.0
3 Pulse Sequence	zgfhigqn.2
4 Experiment	1D
5 Number of Scans	64
6 Relaxation Delay	1.0000
7 Spectrometer Frequency	376.51
8 Nucleus	¹⁹ F

¹⁹F NMR (377 MHz, DMSO-*d*₆) δ -135.01 (d, *J* = 21.9 Hz), -138.12 (d, *J* = 22.6 Hz).

-134.98
-135.04
-138.09
-138.15

