Supporting Information

Cyclopenta[*b*]benzofuran and Secodammarane Derivatives from the Stems of *Aglaia stellatopilosa*

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Figure S1. Comparison of H-1 NMR spectra of five stellatonin derivatives (**3** ($CDCl_3$, 700 MHz); **4** ($CDCl_3$, 500 MHz); **5** (MeOD, 400 MHz); **6** ($CDCl_3$, 600 MHz) and **7** ($CDCl_3$, 400 MHz)).

Figure S2. ^{1}H NMR spectrum of compound **3** ($CDCl_3$, 700 MHz).

Figure S3. ^{13}C DEPTQ NMR spectrum of compound **3** ($CDCl_3$, 175 MHz).

Figure S4. ^{13}C DEPT 135 spectrum of compound **3** ($CDCl_3$, 175 MHz).

Figure S5. HSQC spectrum of compound **3** ($CDCl_3$, 700 MHz).

Figure S6. HMBC spectrum of compound **3** ($CDCl_3$, 700 MHz).

Figure S7. COSY spectrum of compound **3** ($CDCl_3$, 700 MHz).

Figure S8. NOESY spectrum of compound **3** ($CDCl_3$, 700 MHz).

Figure S9. ^{1}H NMR spectrum of compound **4** ($CDCl_3$, 500 MHz).

Figure S10. ^{13}C NMR spectrum of compound **4** ($CDCl_3$, 125 MHz).

Figure S11. ^{13}C DEPT 135 spectrum of compound **4** ($CDCl_3$, 125 MHz).

Figure S12. HSQC spectrum of compound **4** ($CDCl_3$, 500 MHz).

Figure S13. HMBC spectrum of compound **4** ($CDCl_3$, 500 MHz).

Figure S14. COSY spectrum of compound **4** (MeOD, 400 MHz).

Figure S15. NOESY spectrum of compound **4** (MeOD, 400 MHz).

Figure S16. ^{1}H NMR spectrum of compound **5** (MeOD, 400 MHz).

Figure S17. ^{13}C NMR spectrum of compound **5** (MeOD, 100 MHz).

Figure S18. ^{13}C DEPT 135 spectrum of compound **5** (MeOD, 100 MHz).

Figure S19. HSQC spectrum of compound **5** (MeOD, 400 MHz).

Figure S20. HMBC spectrum of compound **5** (MeOD, 400 MHz).

Figure S21. COSY spectrum of compound **5** (MeOD, 400 MHz).

Figure S22. NOESY spectrum of compound **5** (MeOD, 400 MHz).

Figure S23. ^{1}H NMR spectrum of compound **6** ($CDCl_3$, 600 MHz).

Figure S24. ^{13}C NMR spectrum of compound **6** ($CDCl_3$, 150 MHz).

Figure S25. ^{13}C DEPT 135 spectrum of compound **6** ($CDCl_3$, 150 MHz).

Figure S26. HSQC spectrum of compound **6** ($CDCl_3$, 600 MHz).

Figure S27. HMBC spectrum of compound **6** ($CDCl_3$, 600 MHz).

Figure S28. COSY spectrum of compound **6** ($CDCl_3$, 600 MHz).

Figure S29. NOESY spectrum of compound **6** ($CDCl_3$, 600 MHz).

Figure S30. ^{1}H NMR spectrum of compound **7** ($CDCl_3$, 400 MHz).

Figure S31. ^{13}C NMR spectrum of compound **7** ($CDCl_3$, 100 MHz).

Figure S32. ^{13}C DEPT 135 spectrum of compound **7** ($CDCl_3$, 100 MHz).

Figure S33. HSQC spectrum of compound **7** ($CDCl_3$, 400 MHz).

Figure S34. HMBC spectrum of compound **7** ($CDCl_3$, 400 MHz).

Figure S35. COSY spectrum of compound **7** ($CDCl_3$, 400 MHz).

Figure S36. NOESY spectrum of compound **7** ($CDCl_3$, 400 MHz).

Figure S37. ^{1}H NMR spectrum of (*S*)-MTPA ester of compound **3** (MeOD, 400 MHz).

Figure S38. HSQC spectrum of (*S*)-MTPA ester of compound **3** (MeOD, 400 MHz).

Figure S39. HMBC spectrum of (*S*)-MTPA ester of compound **3** (MeOD, 400 MHz).

Figure S40. ^{1}H NMR spectrum of (*R*)-MTPA ester of compound **3** (MeOD, 400 MHz).

Figure S41. HSQC spectrum of (*R*)-MTPA ester of compound **3** (MeOD, 400 MHz).

Figure S42. HMBC spectrum of (*R*)-MTPA ester of compound **3** (MeOD, 400 MHz).

Figure S1. Comparison of H-1 NMR spectra of five stellatonin derivatives (**3** ($CDCl_3$, 700 MHz); **4** ($CDCl_3$, 500 MHz); **5** (MeOD, 400 MHz); **6** ($CDCl_3$, 600 MHz) and **7** ($CDCl_3$, 400 MHz)).

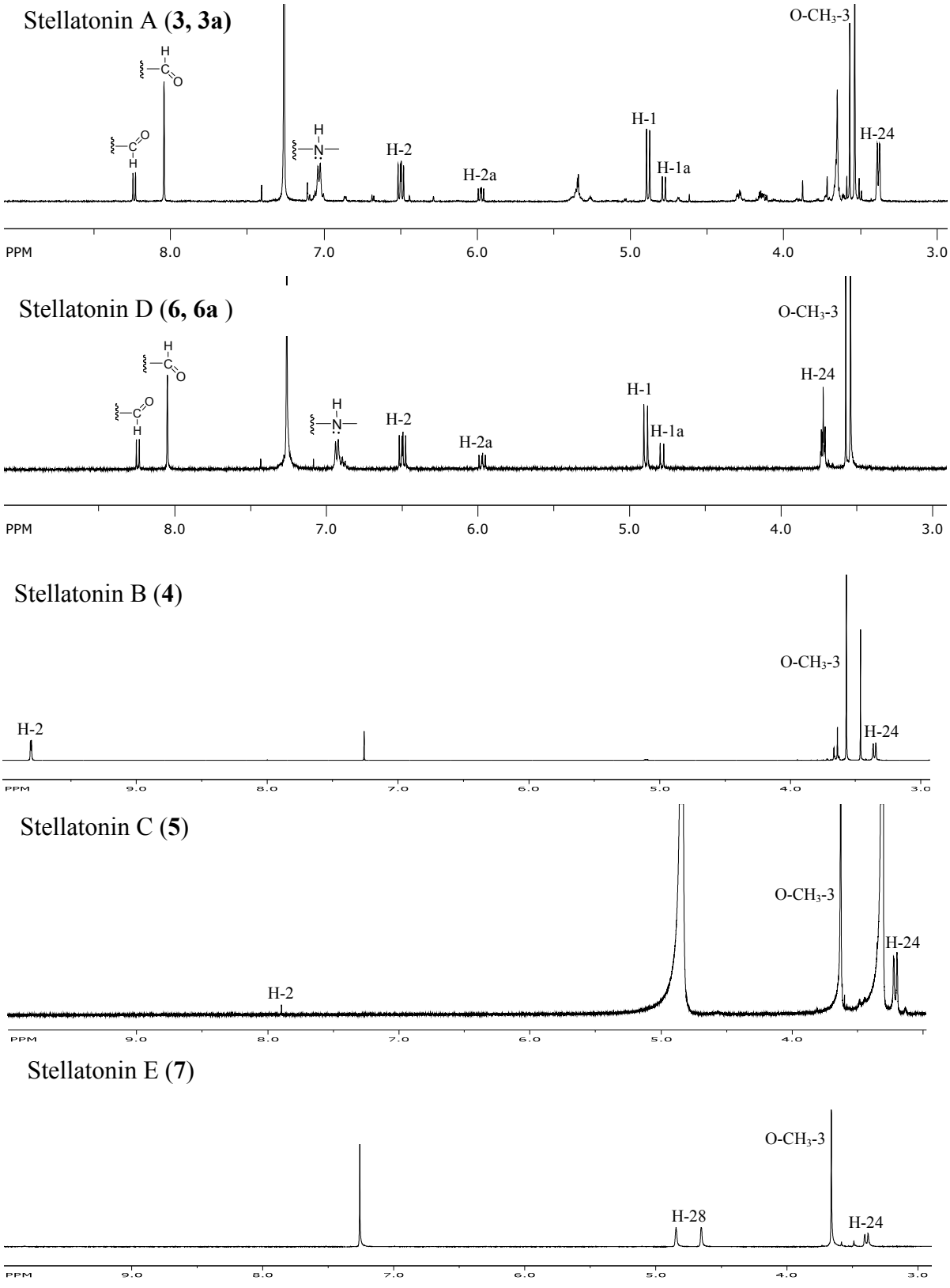
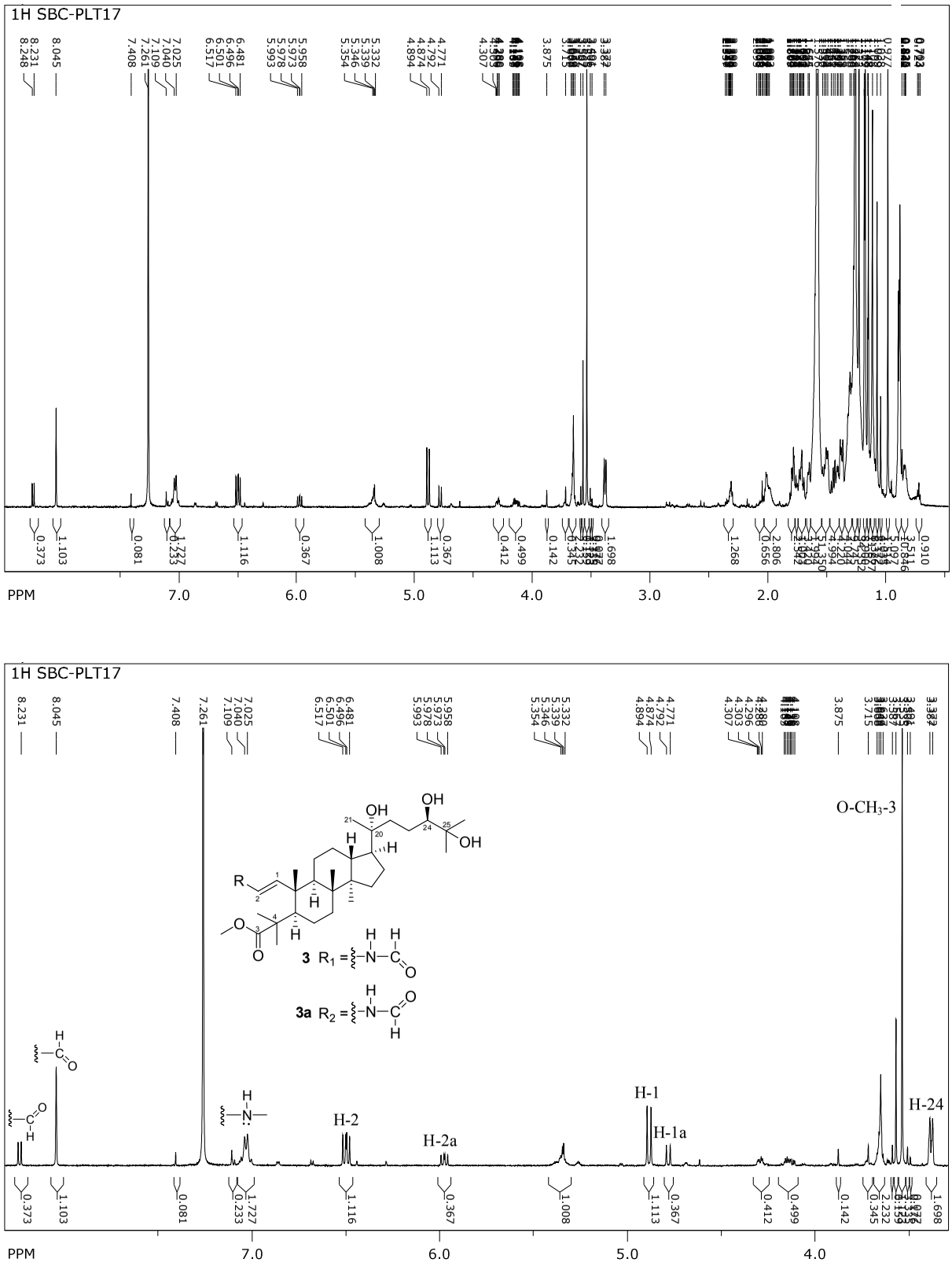
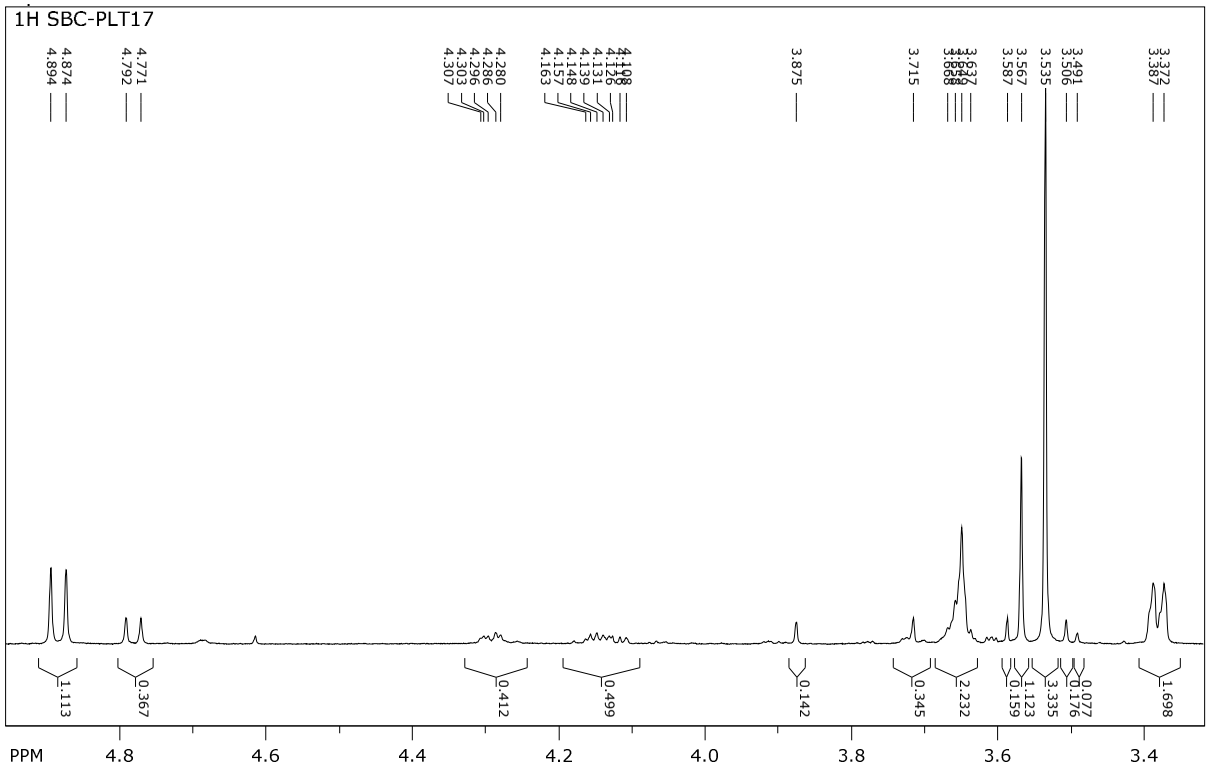


Figure S2. ^{1}H NMR spectrum of compound **3** ($CDCl_3$, 700 MHz).

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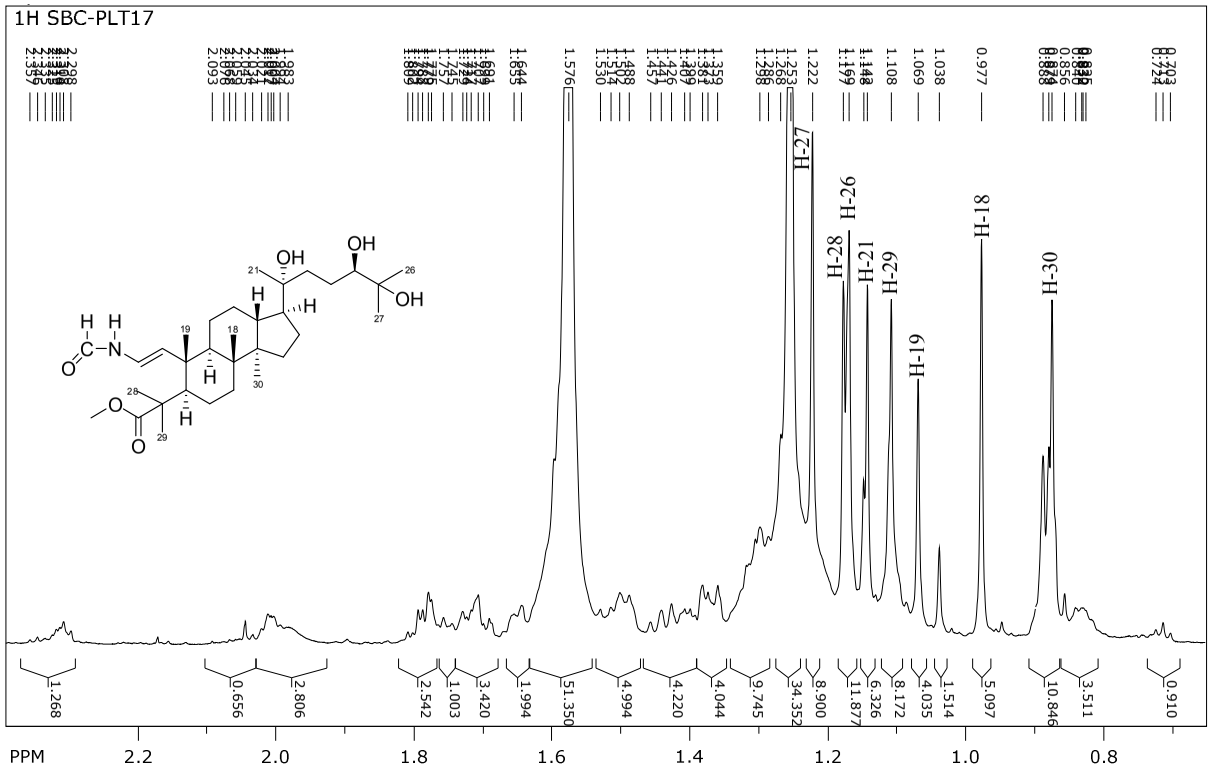
4.792
4.771
4.307
4.303
4.296
4.286
4.280
4.163
4.157
4.148
4.139
4.131
4.126
4.108
3.875
3.715
3.637
3.587
3.567
3.535
3.506
3.491
3.387
3.372
1.113
0.367
0.412
0.499
0.142
0.345
2.232
0.159
1.123
3.335
0.176
0.077
1.698
PPM
4.8
4.6
4.4
4.2
4.0
3.8
3.6
3.4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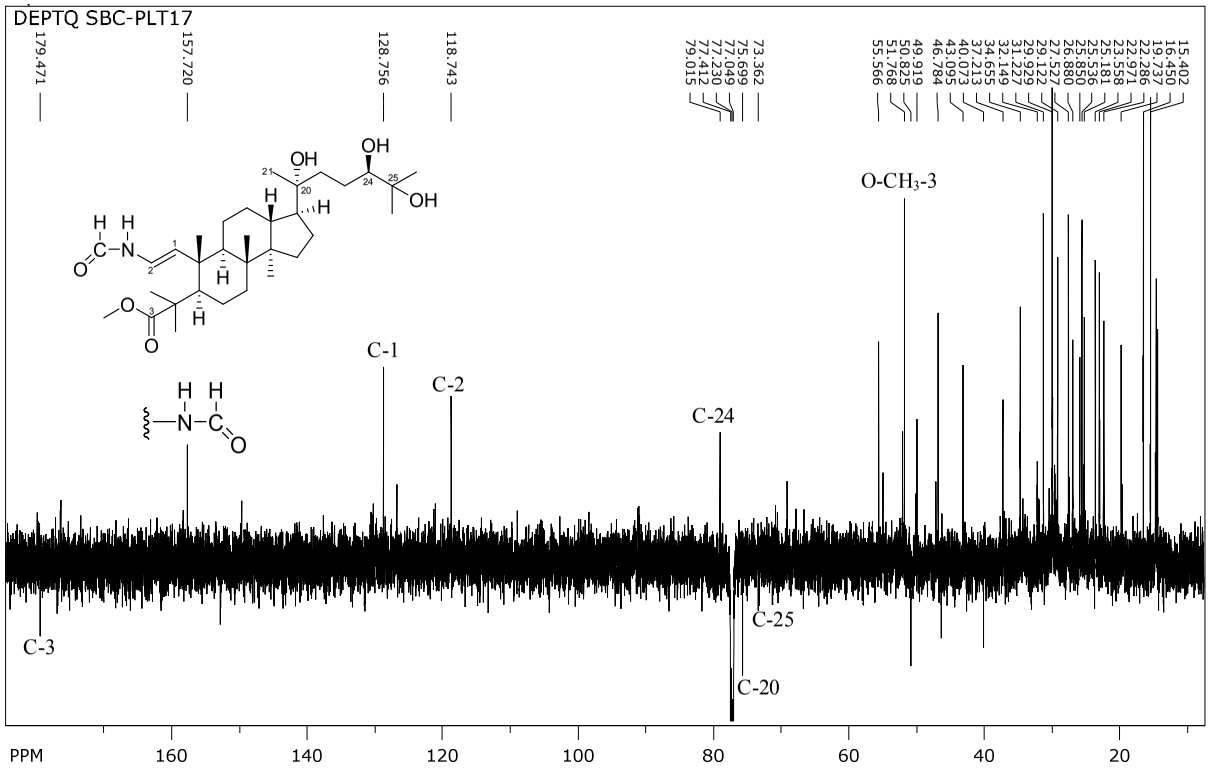
1.576
1.530
1.222
1.108
1.069
1.038
0.977
H-27
H-26
H-28
H-21
H-29
H-19
H-18
H-30
OH
OH
OH
H
H
H
H
H
H
C
N
O
O
O
1.268
0.656
2.806
2.542
1.003
3.420
1.994
51.350
4.994
4.220
4.044
9.745
34.352
8.900
11.877
6.326
8.172
4.035
1.514
5.097
10.846
3.511
0.910
PPM
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8

Figure S3. ^{13}C DEPTQ NMR spectrum of compound **3** ($CDCl_3$, 175 MHz).



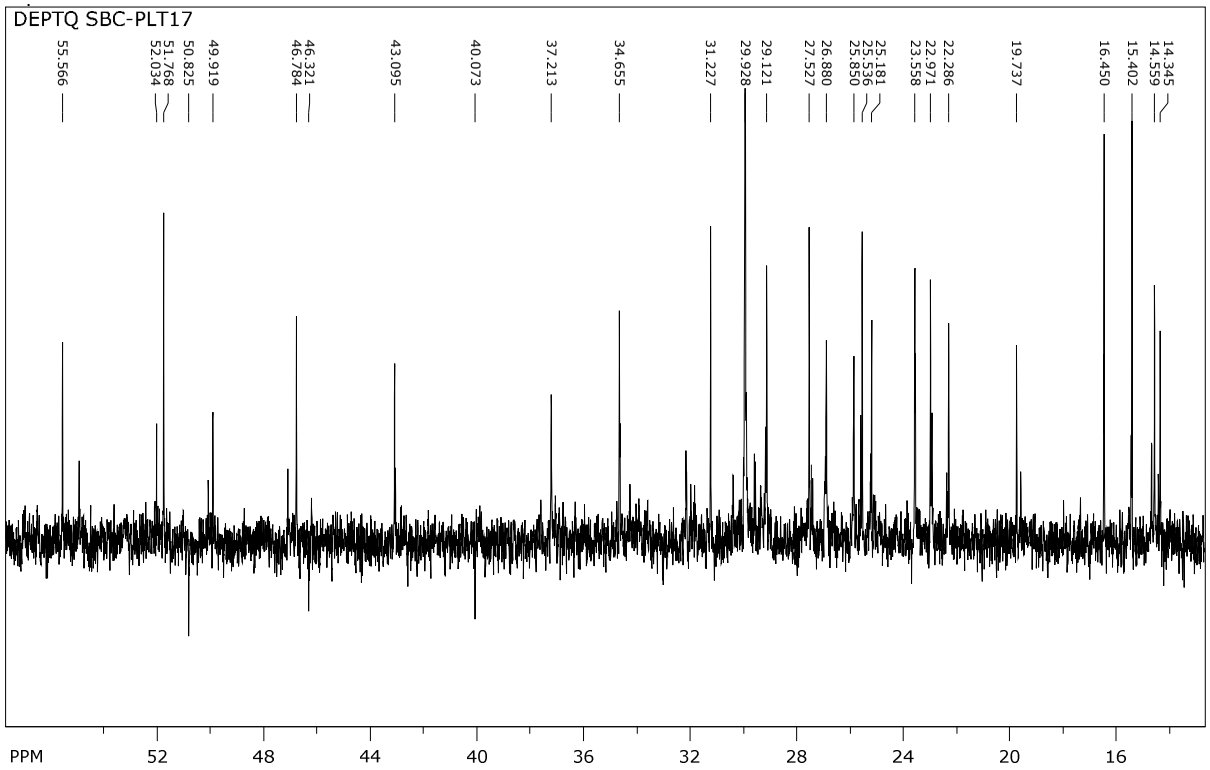


Figure S4. ^{13}C DEPT 135 spectrum of compound **3** ($CDCl_3$, 175 MHz).

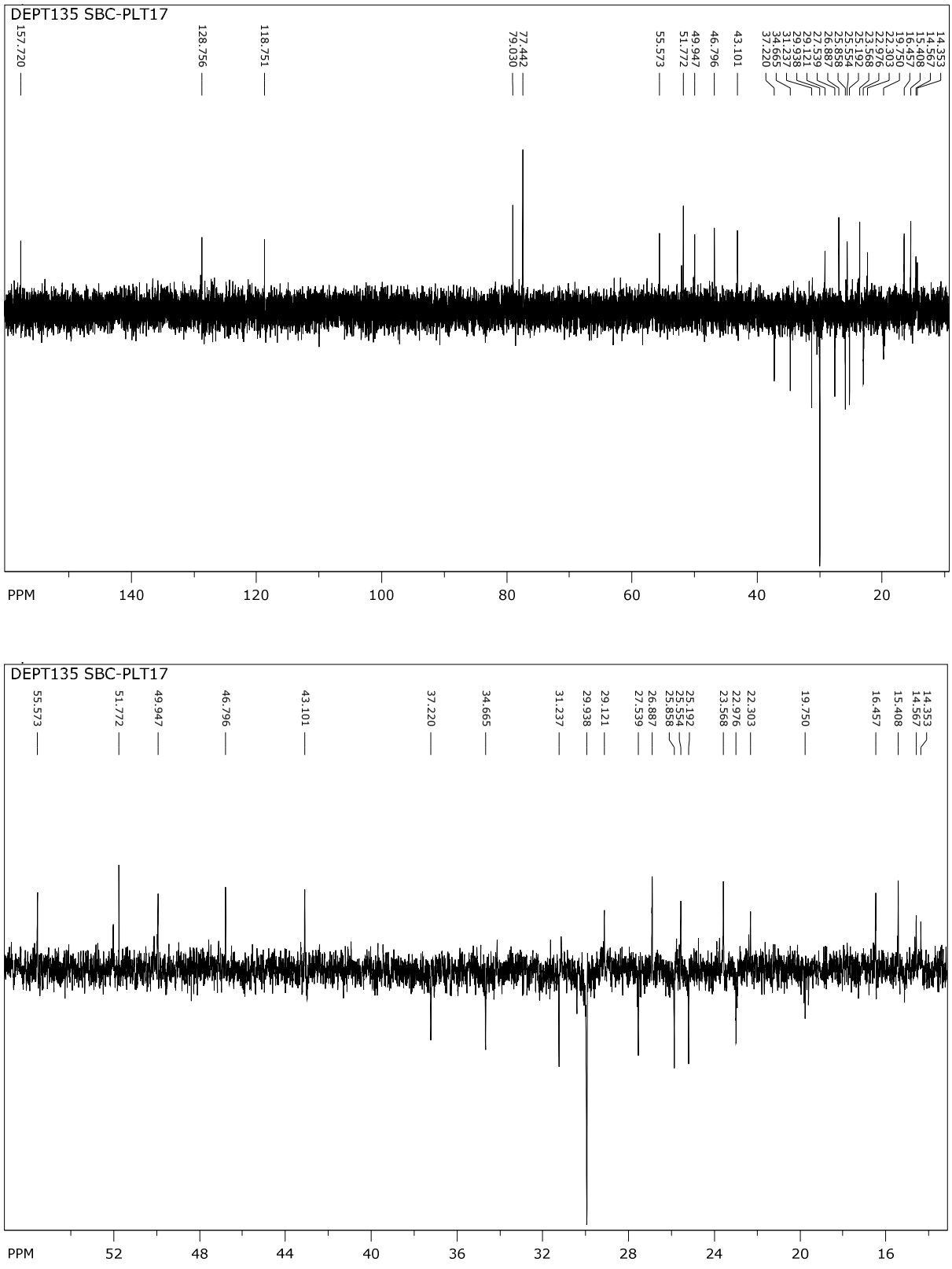


Figure S5. HSQC spectrum of compound **3** ($CDCl_3$, 700 MHz).

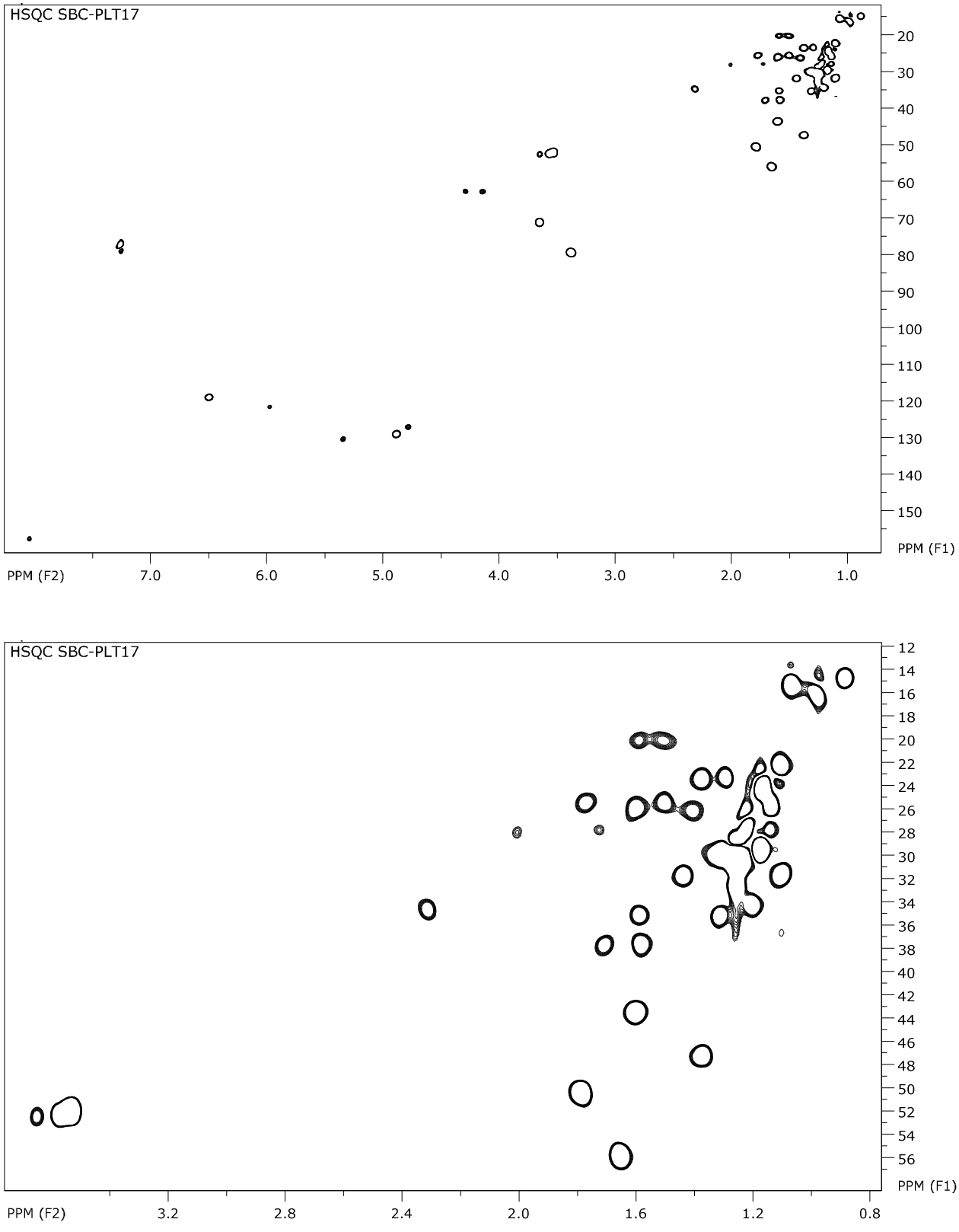
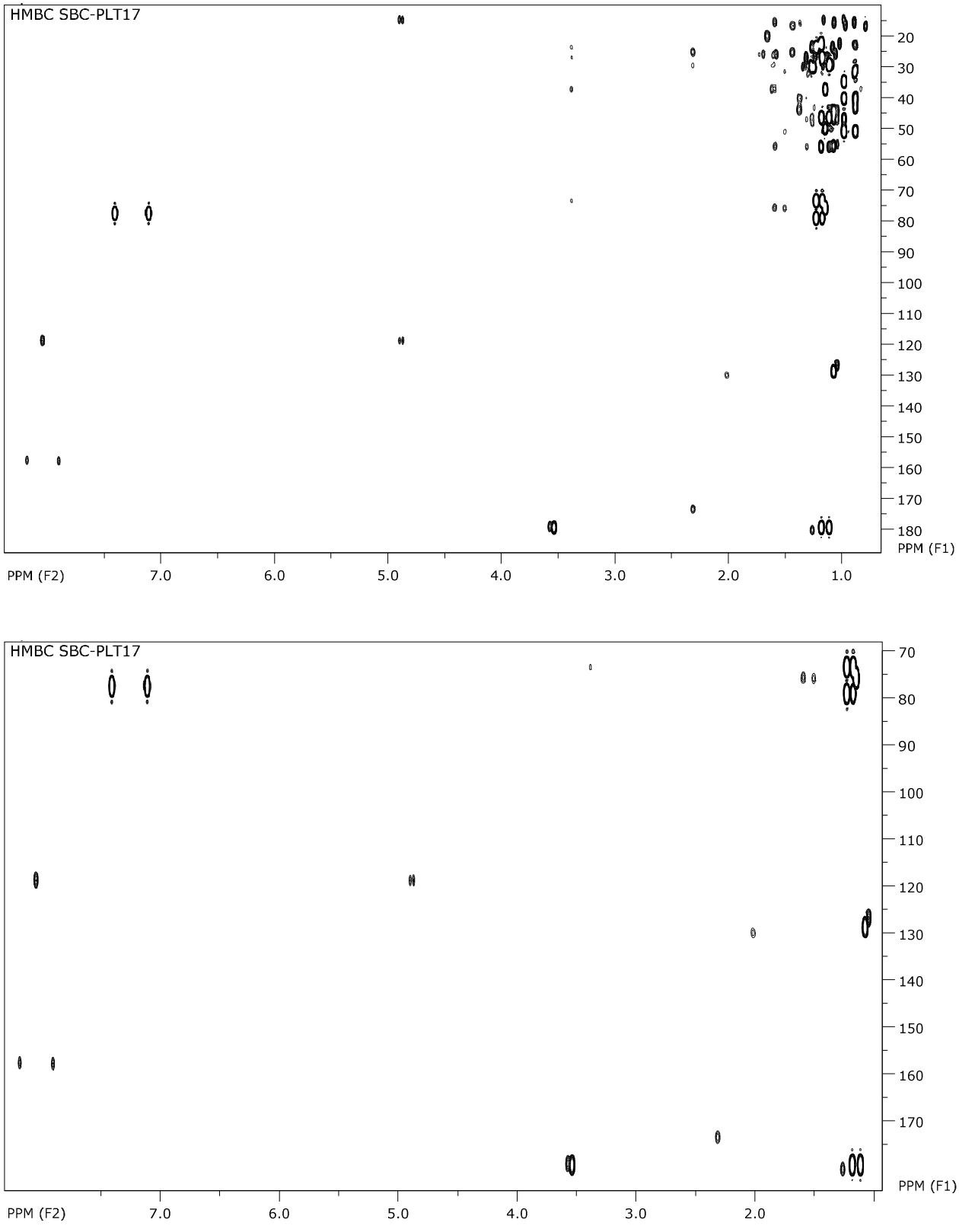
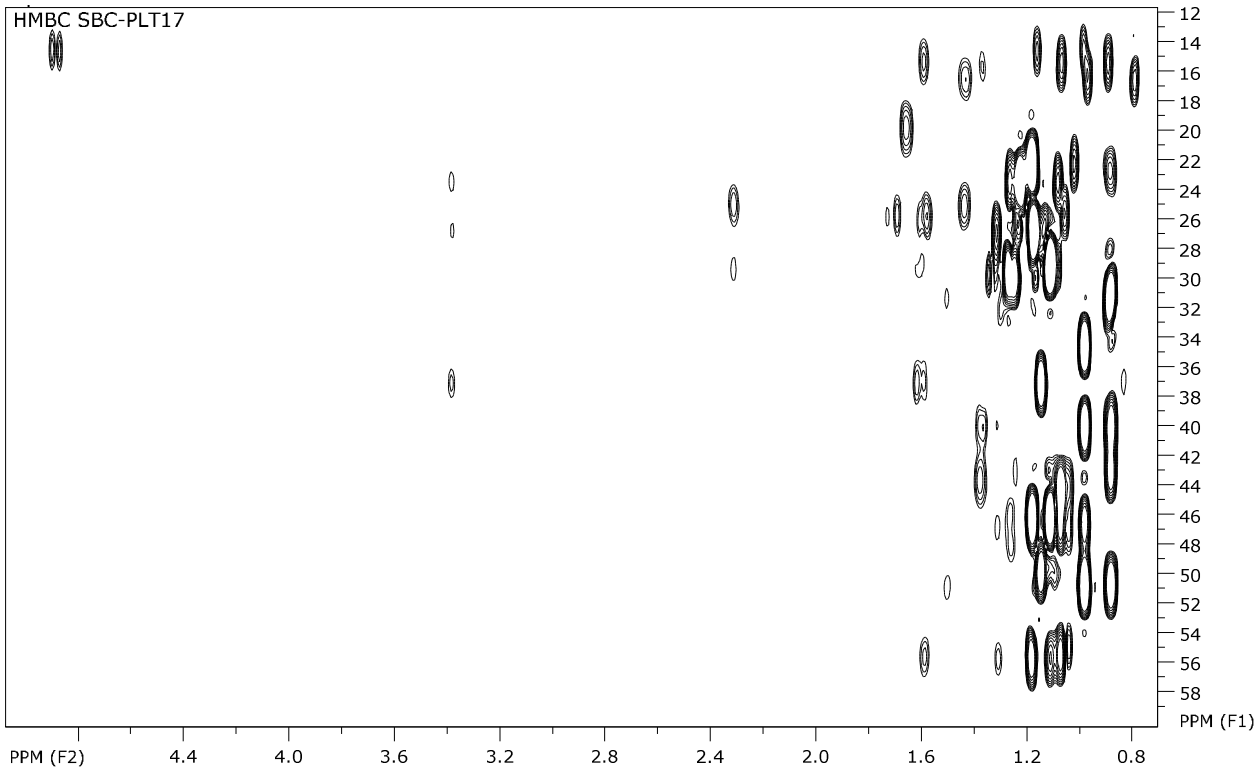


Figure S6. HMBC spectrum of compound **3** ($CDCl_3$, 700 MHz).




HMBC SBC-PLT17
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
PPM (F1)
PPM (F2)
4.4
4.0
3.6
3.2
2.8
2.4
2.0
1.6
1.2
0.8

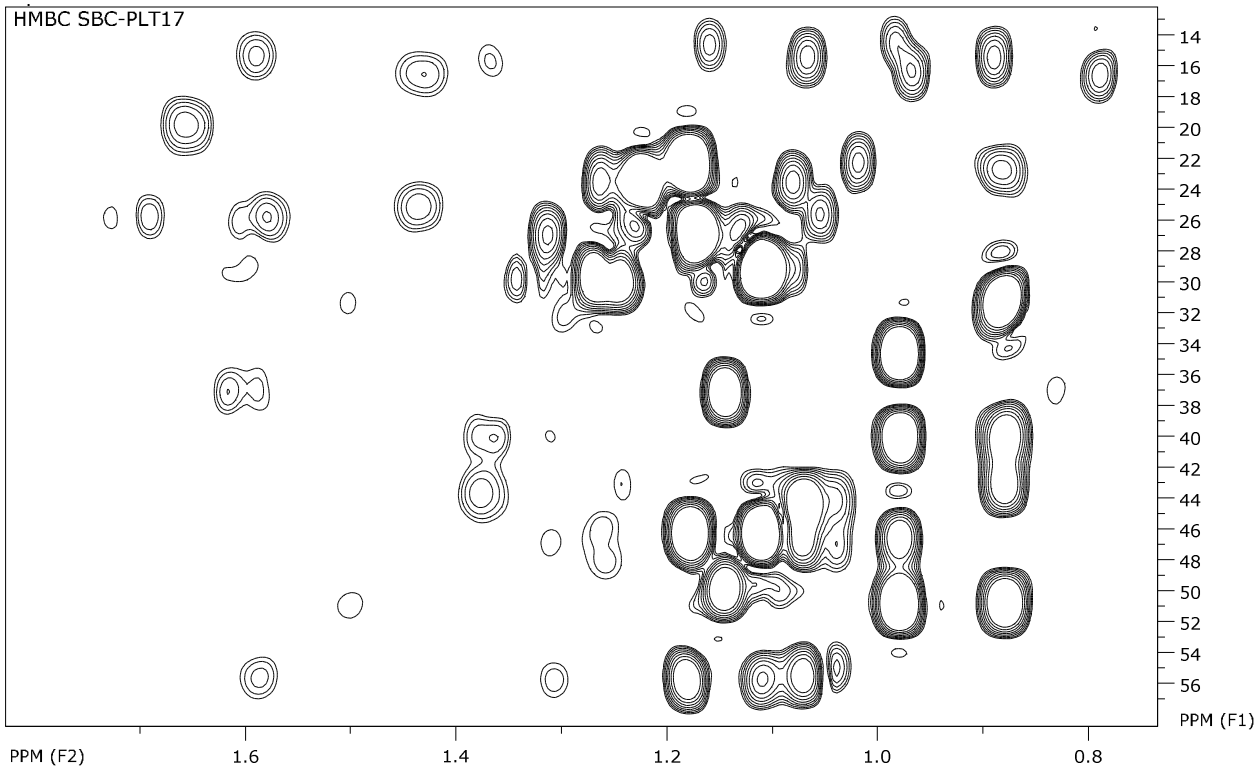
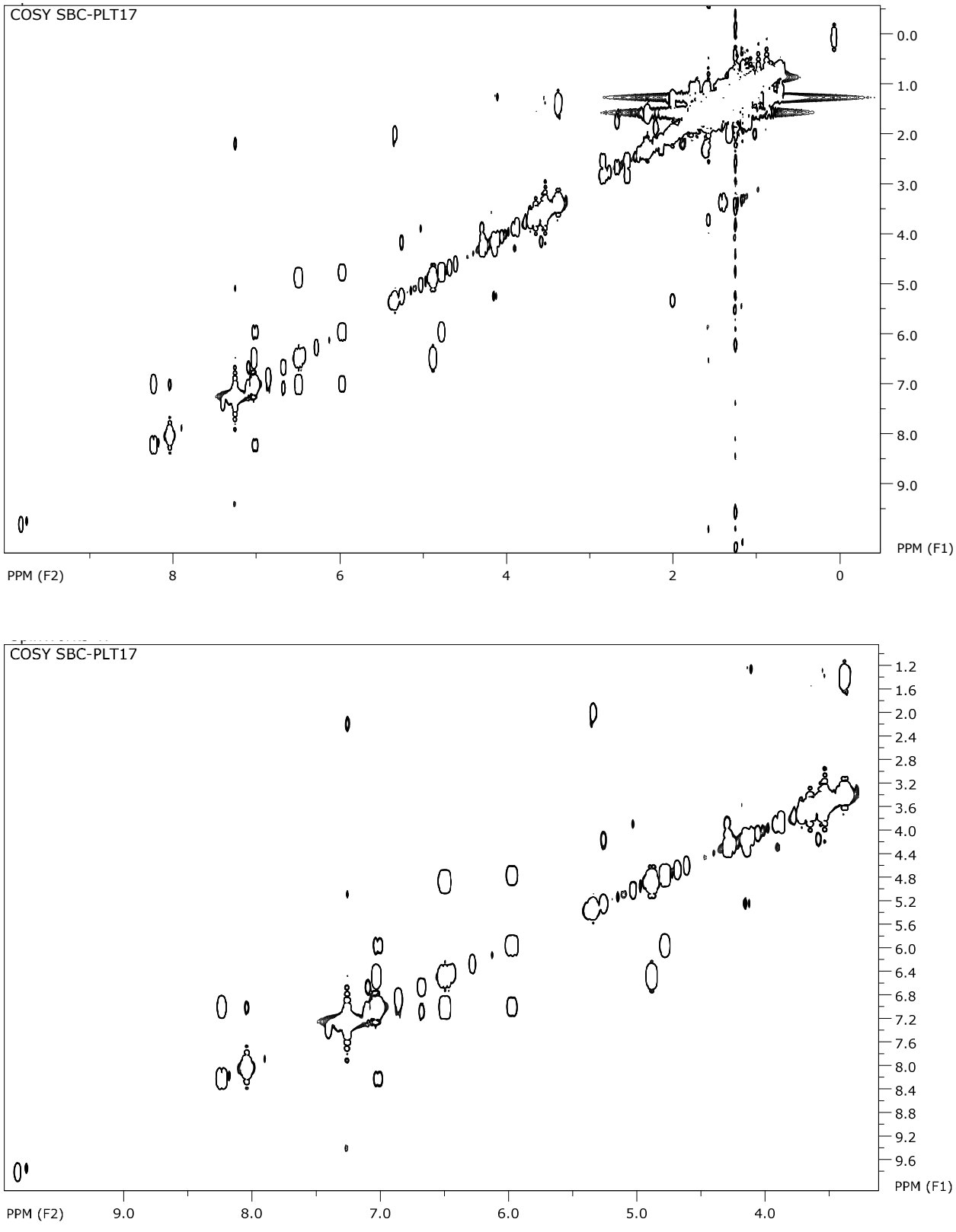

HMBC SBC-PLT17
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
PPM (F1)
PPM (F2)
1.6
1.4
1.2
1.0
0.8

Figure S7. COSY spectrum of compound **3** ($CDCl_3$, 700 MHz).



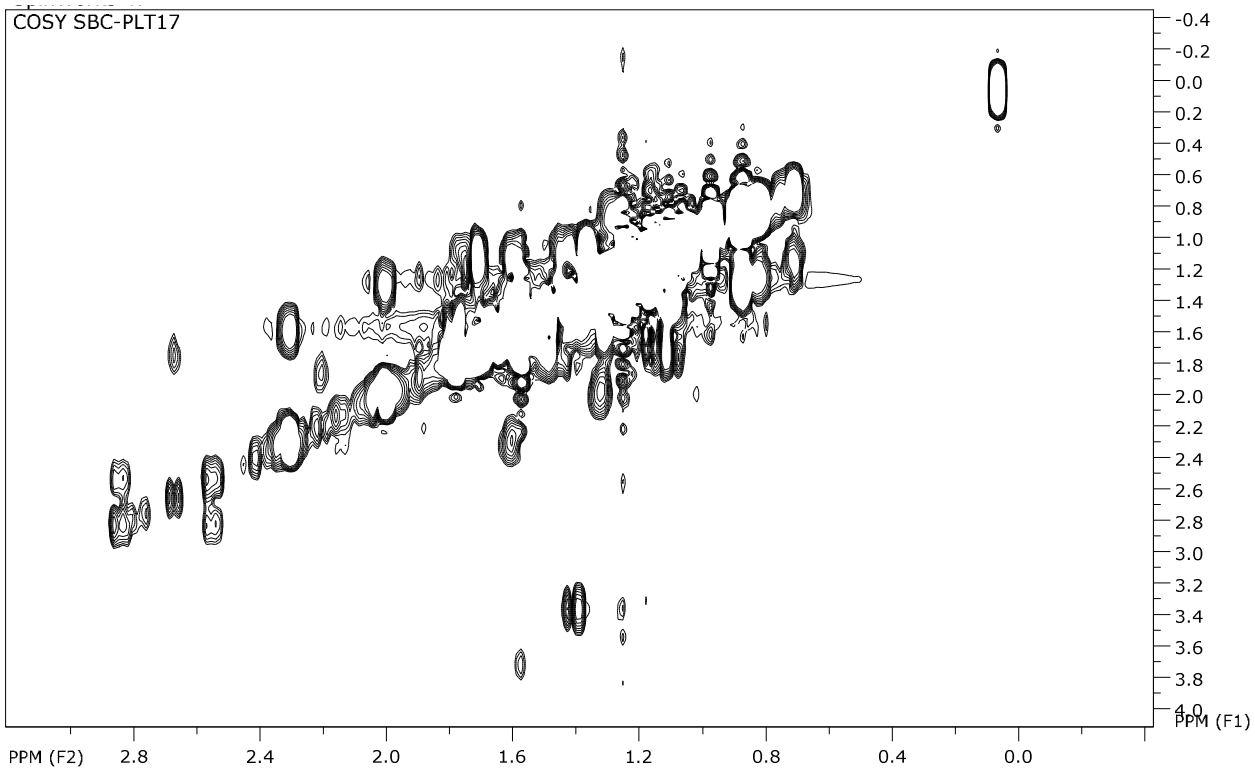
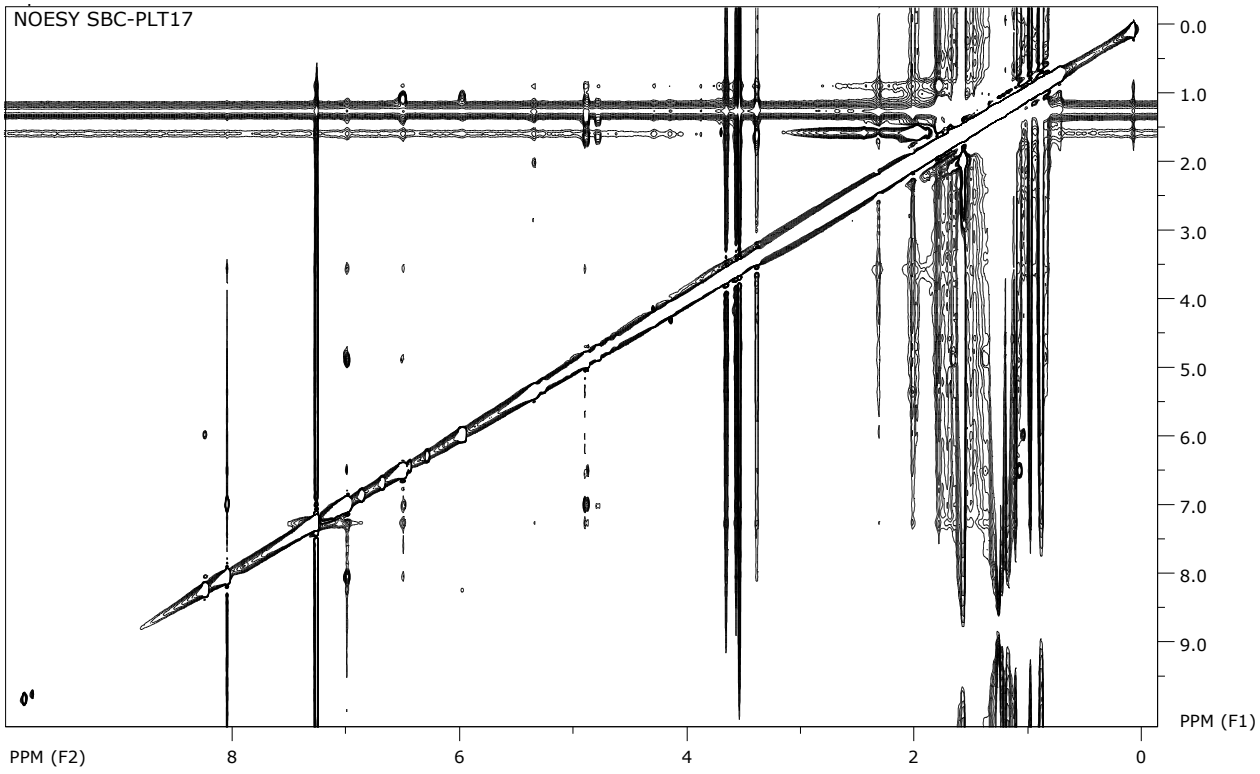
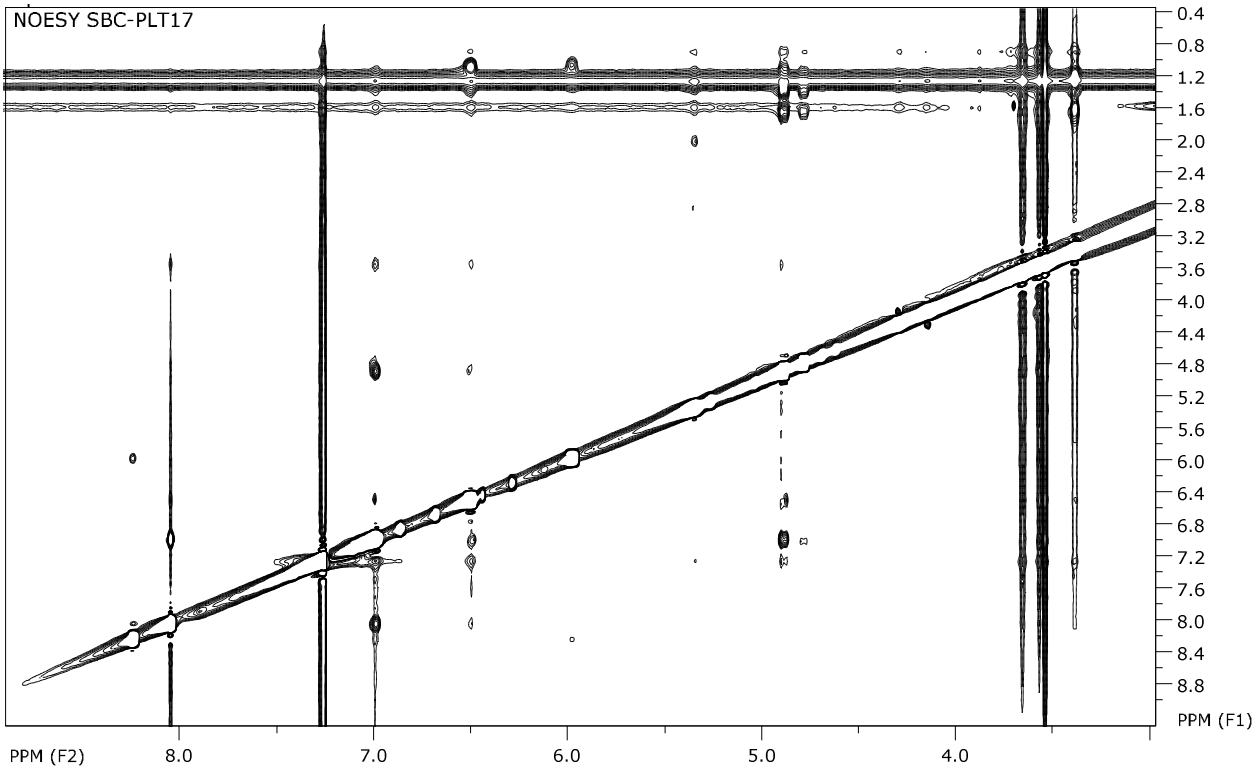
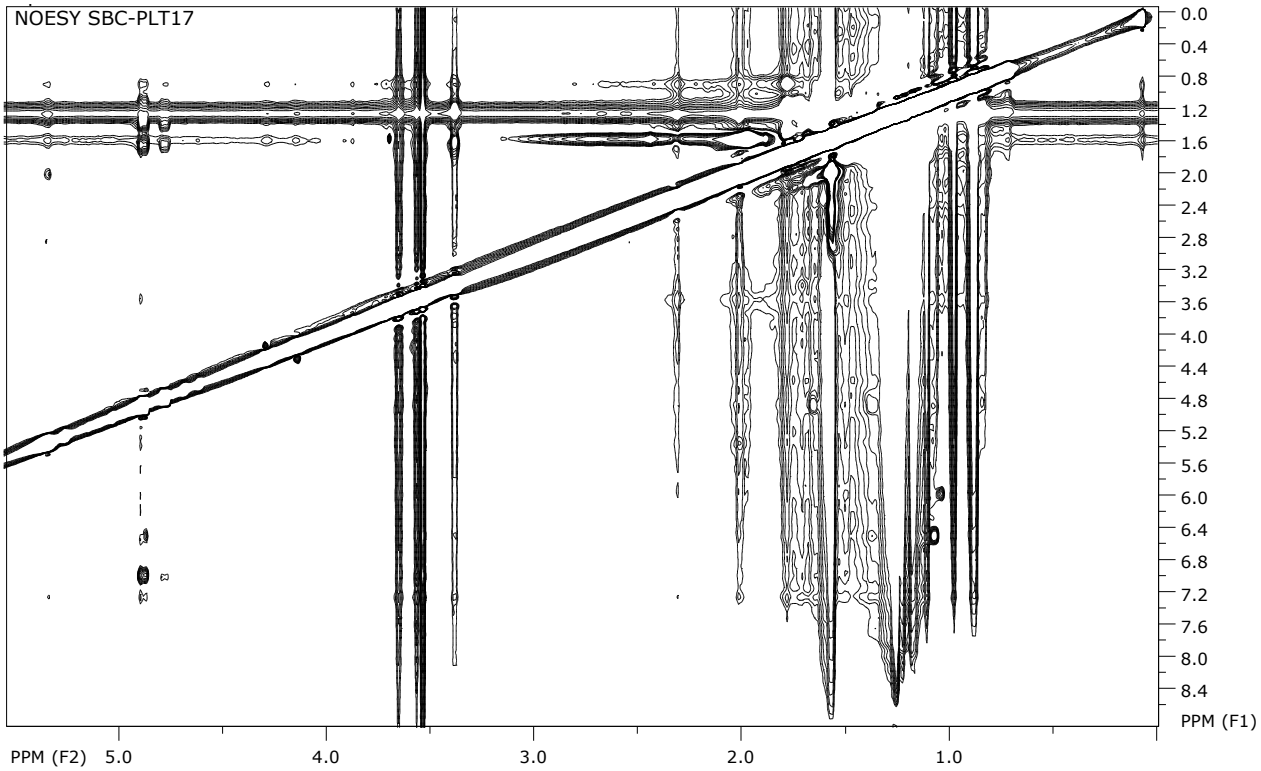


Figure S8. NOESY spectrum of compound **3** ($CDCl_3$, 700 MHz).




NOESY SBC-PLT17
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6
8.0
8.4
8.8
PPM (F1)
PPM (F2)
8.0
7.0
6.0
5.0
4.0


NOESY SBC-PLT17
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6
8.0
8.4
PPM (F1)
PPM (F2)
5.0
4.0
3.0
2.0
1.0

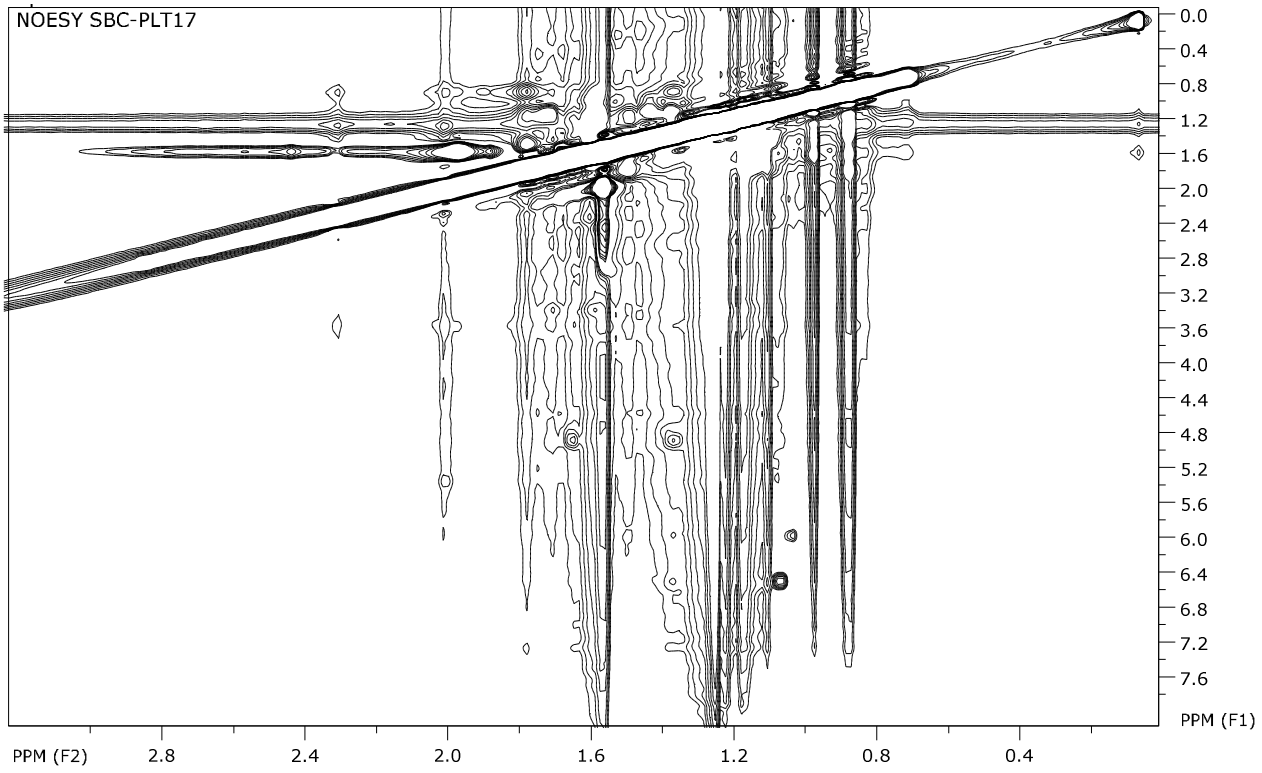
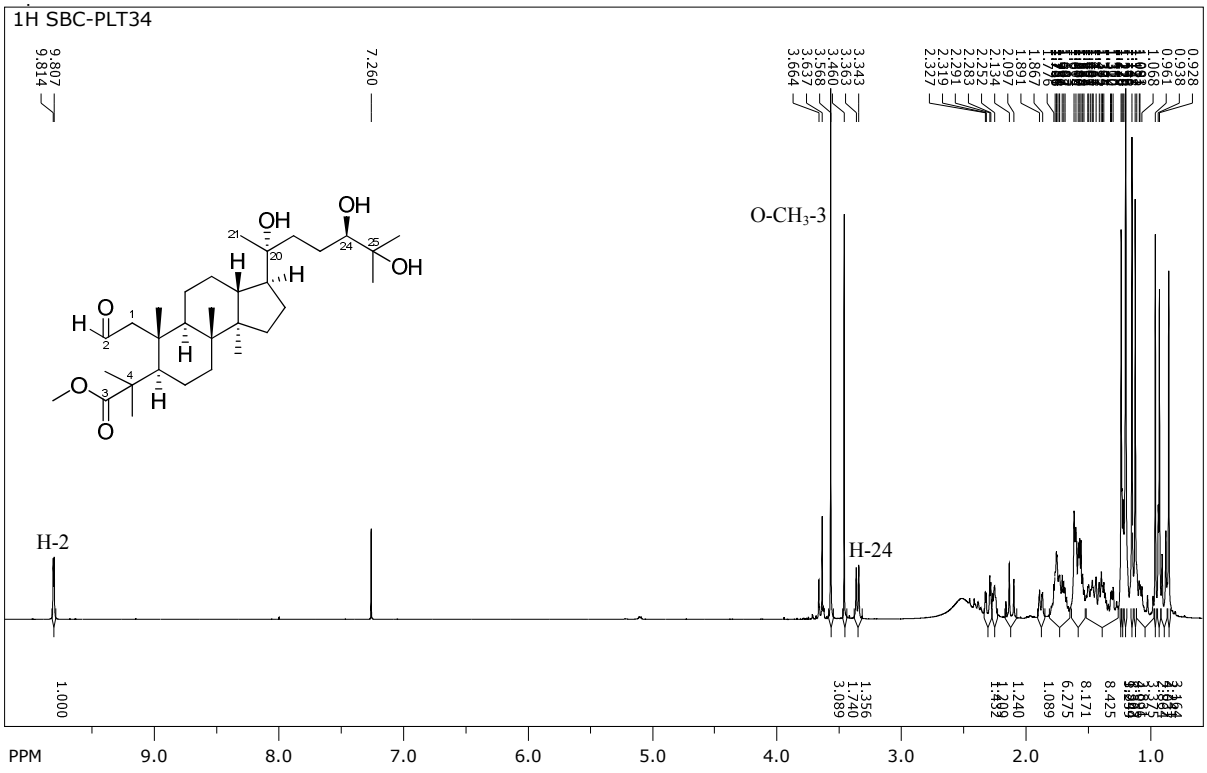
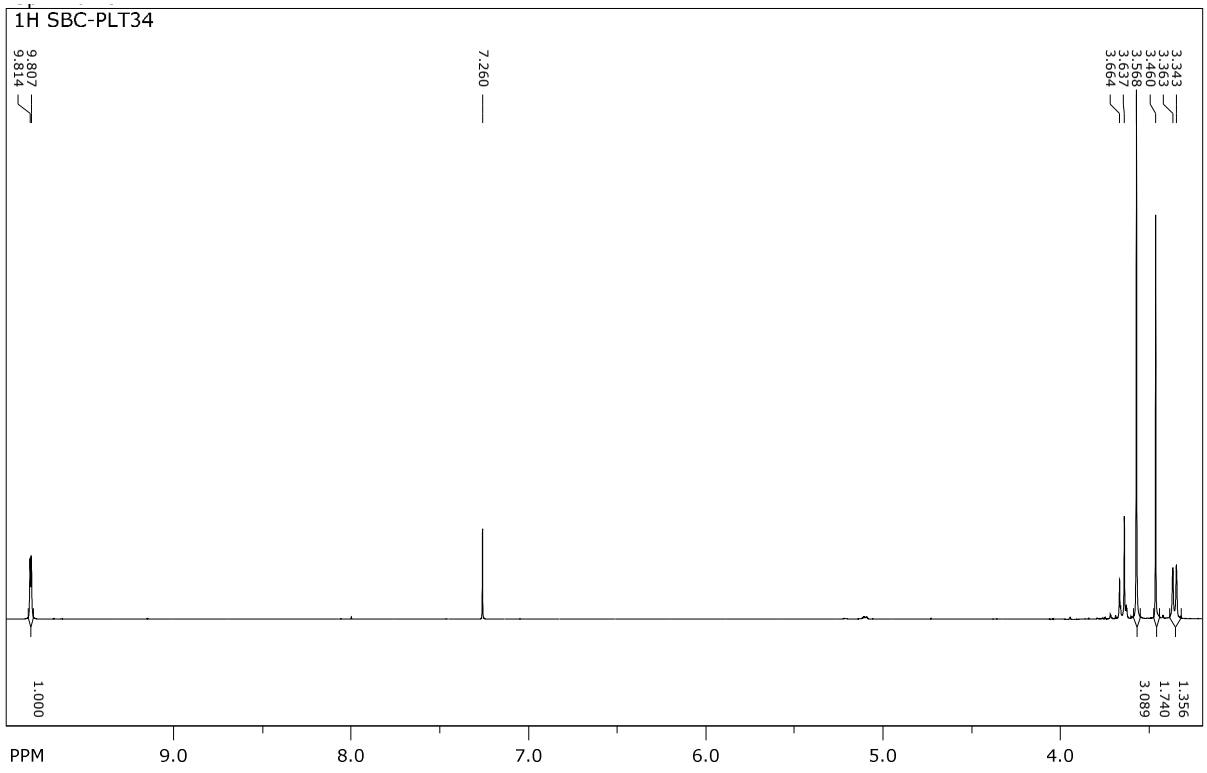


Figure S9. ^{1}H NMR spectrum of compound **4** ($CDCl_3$, 500 MHz).

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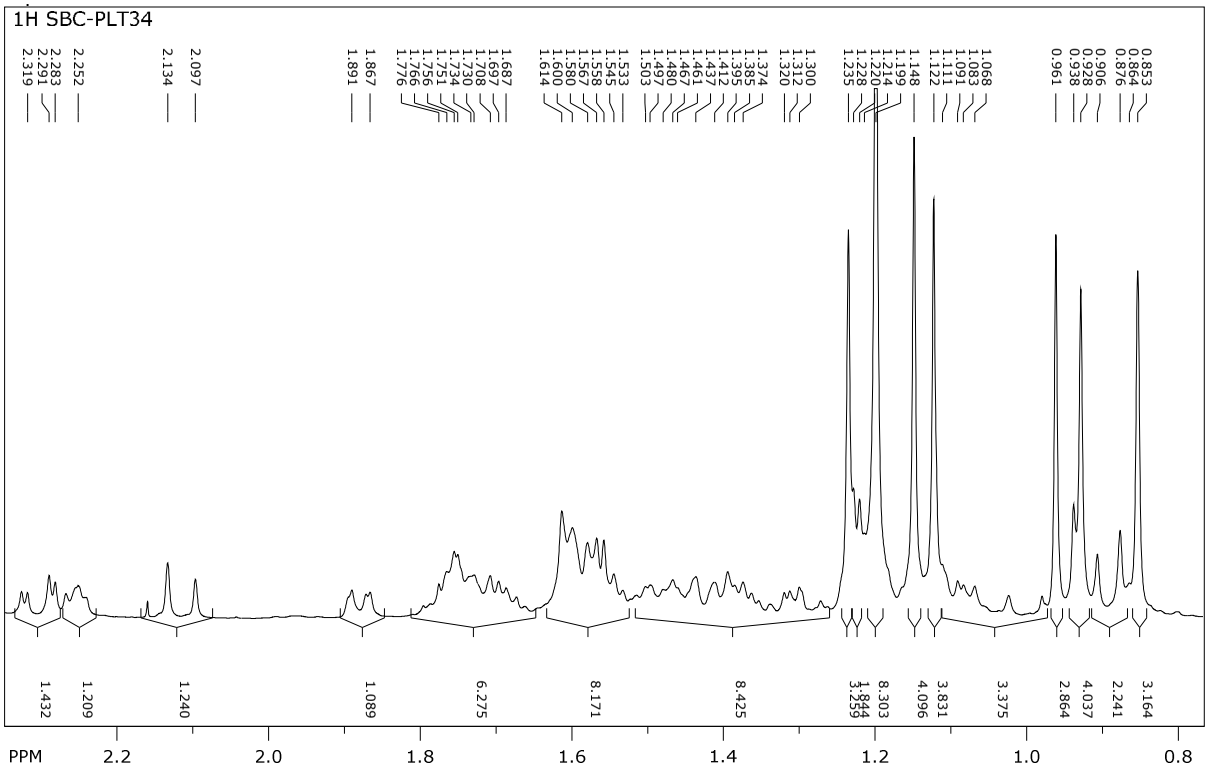
9.807
9.814
7.260
3.684
3.657
3.568
3.463
3.343
1.000
3.089
1.740
1.356
PPM
9.0
8.0
7.0
6.0
5.0
4.0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2.283
2.252
2.134
2.097
1.891
1.867
1.776
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1.751
1.734
1.730
1.708
1.697
1.687
1.614
1.600
1.580
1.567
1.558
1.545
1.533
1.503
1.497
1.480
1.467
1.461
1.437
1.412
1.395
1.385
1.374
1.320
1.312
1.300
1.235
1.228
1.220
1.214
1.199
1.148
1.122
1.111
1.091
1.083
1.068
0.961
0.938
0.928
0.906
0.876
0.864
0.853
1.432
1.209
1.240
1.089
6.275
8.171
8.425
3.259
1.884
8.303
4.096
3.831
3.375
2.864
4.037
2.241
3.164
PPM
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8

Figure S10. ^{13}C NMR spectrum of compound **4** ($CDCl_3$, 125 MHz).

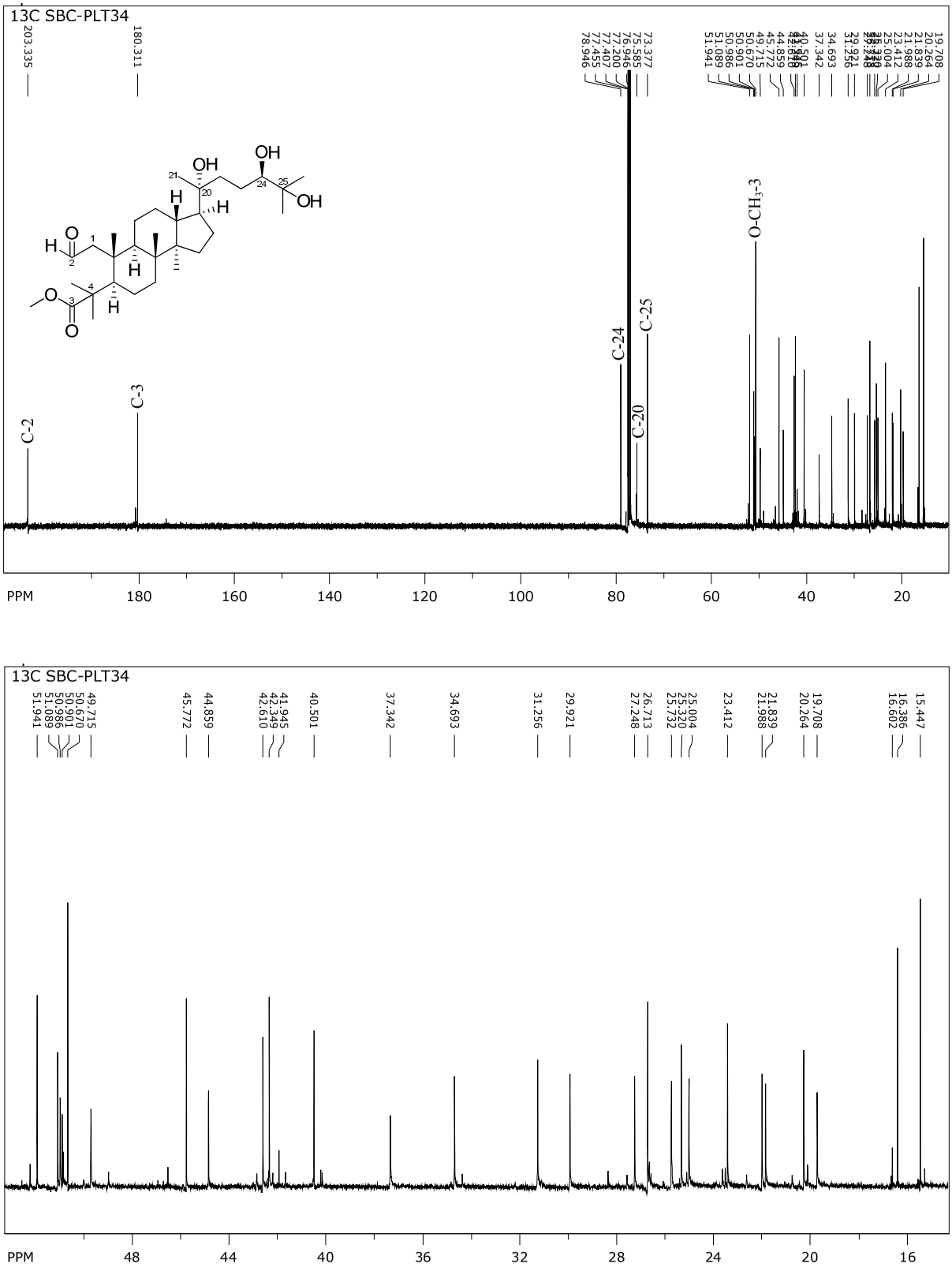


Figure S11. ^{13}C DEPT 135 spectrum of compound **4** ($CDCl_3$, 125 MHz).

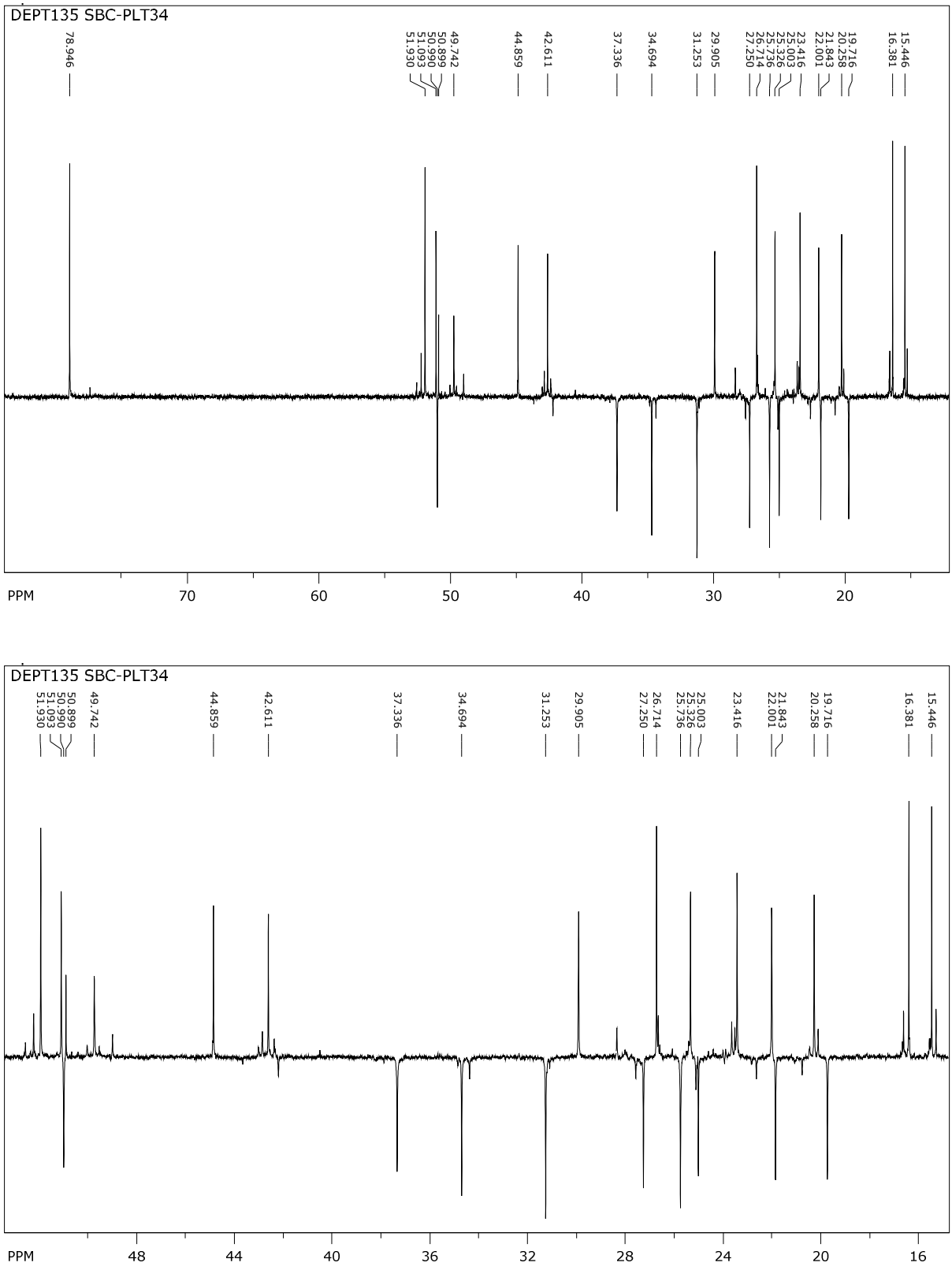
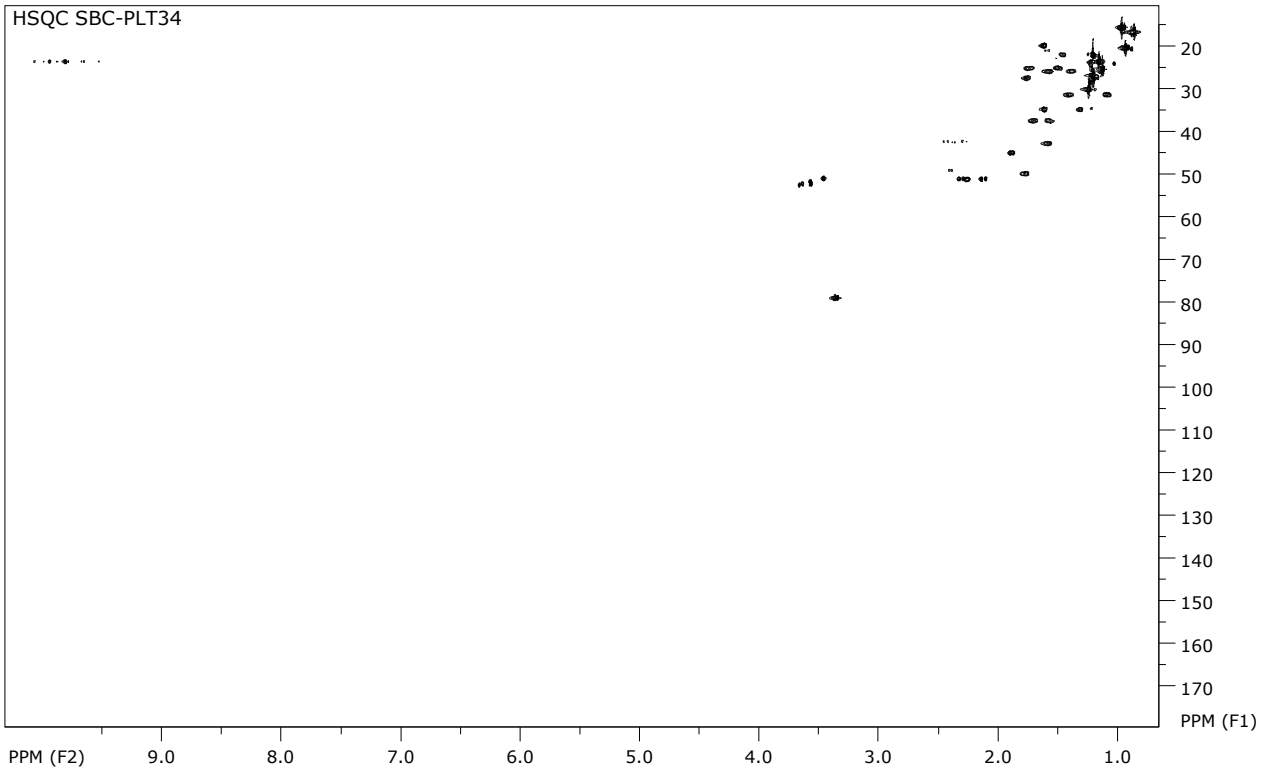


Figure S12. HSQC spectrum compound **4** ($CDCl_3$, 500 MHz).



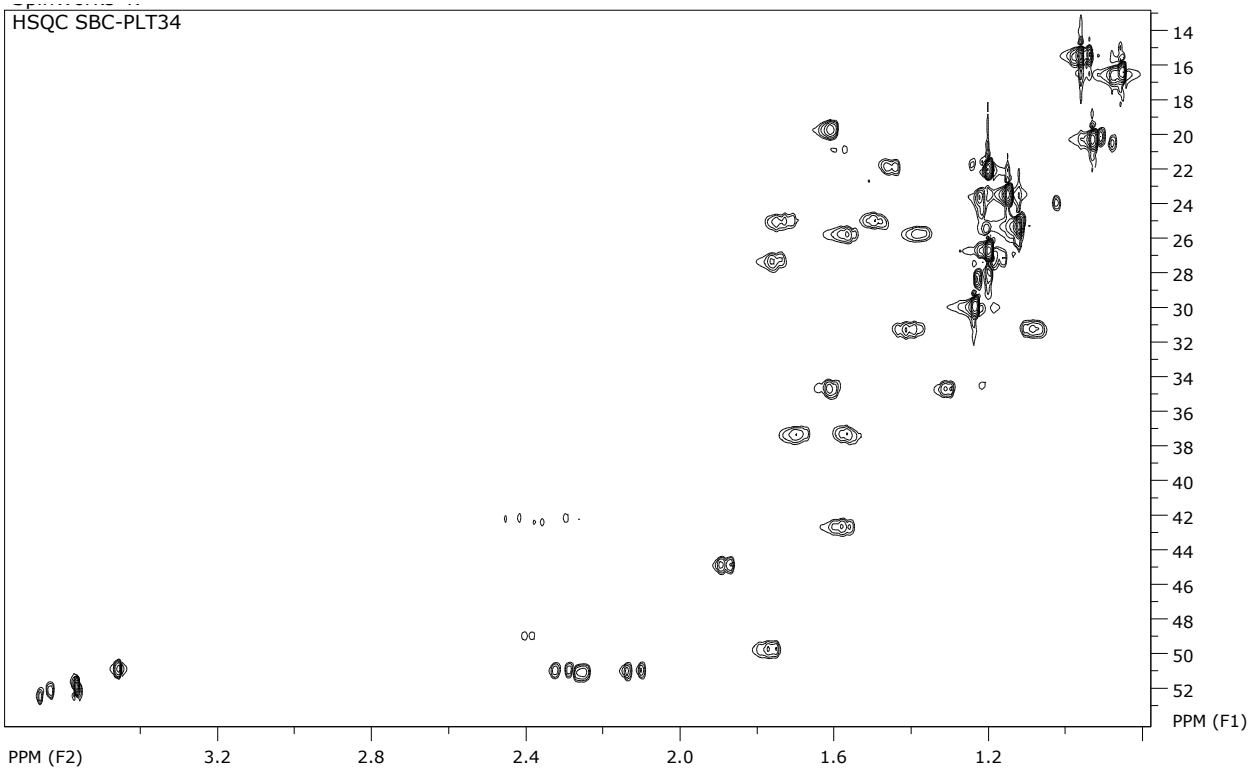
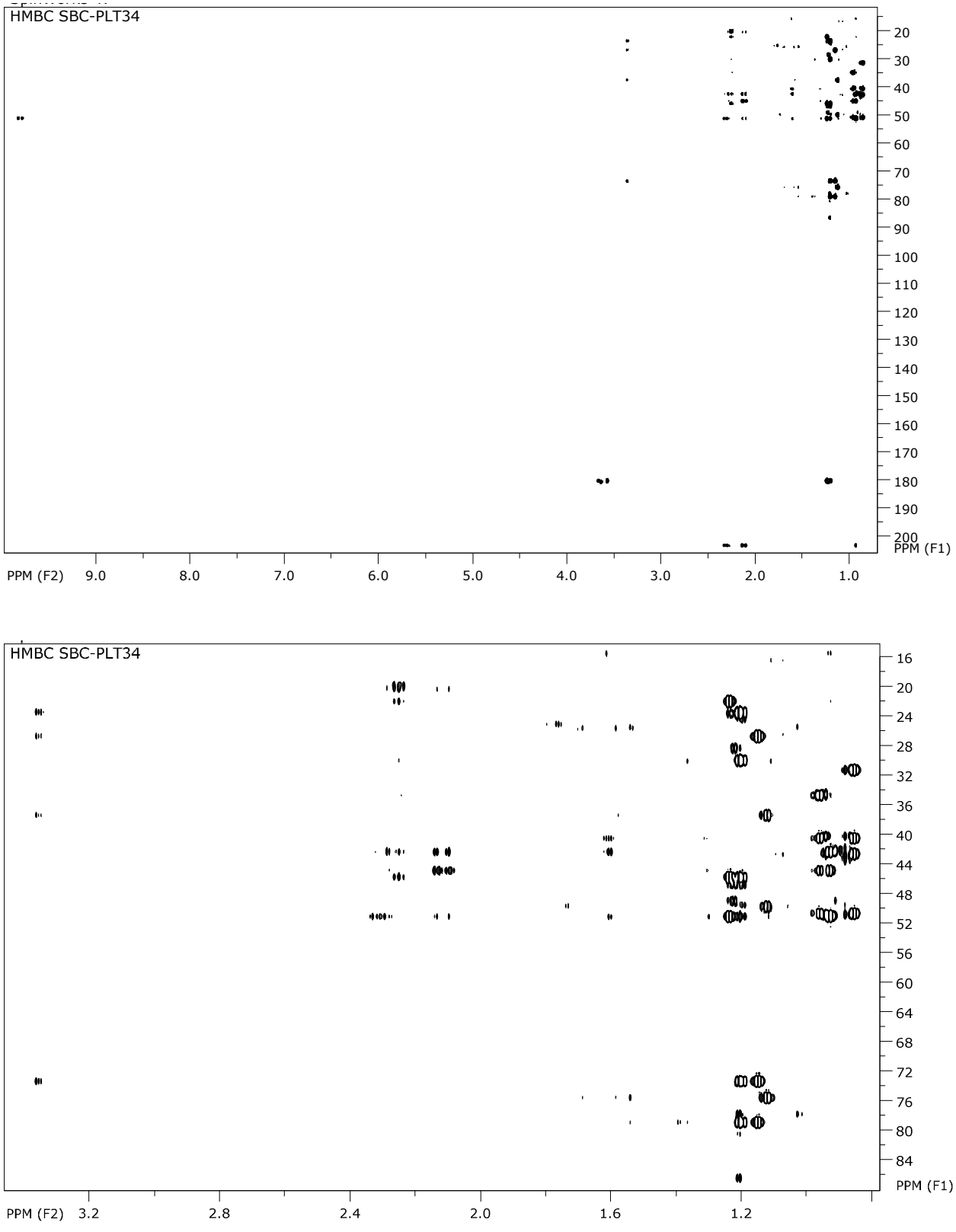


Figure S13. HMBC spectrum of compound **4** ($CDCl_3$, 500 MHz).



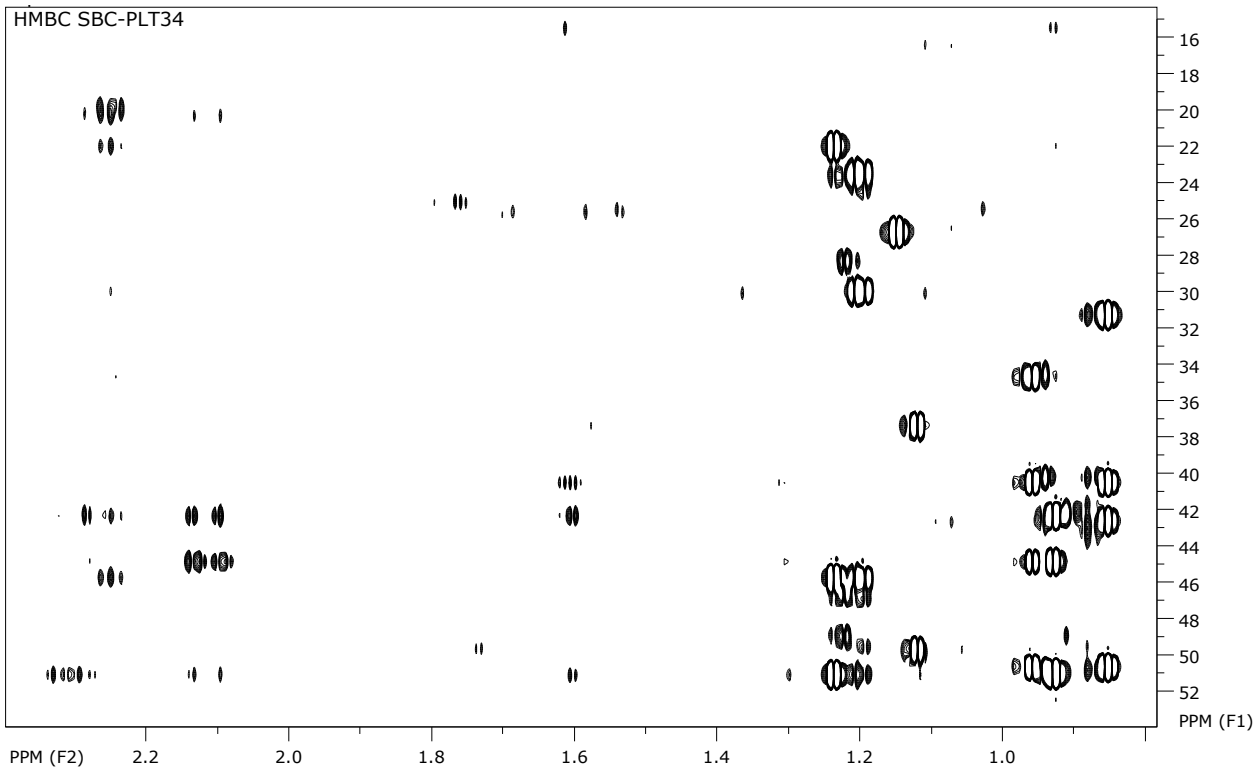
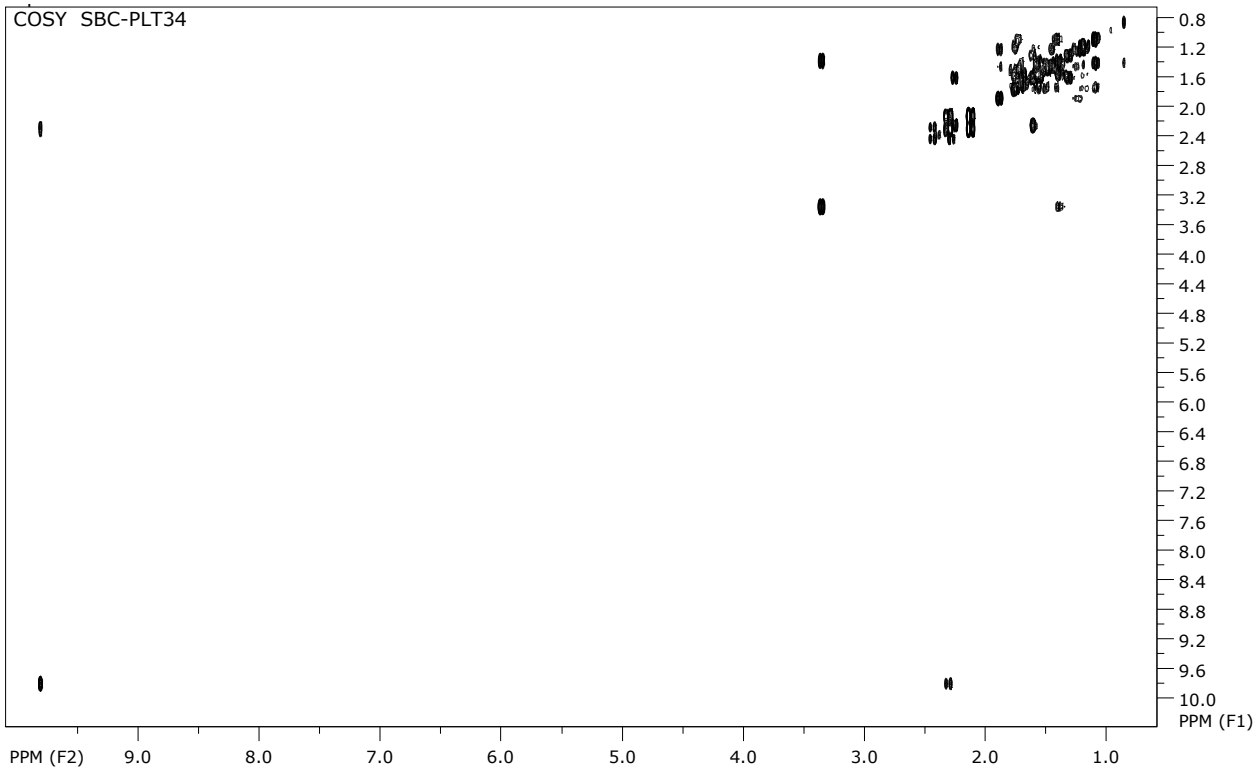


Figure S14. COSY spectrum compound **4** (MeOD, 400 MHz).



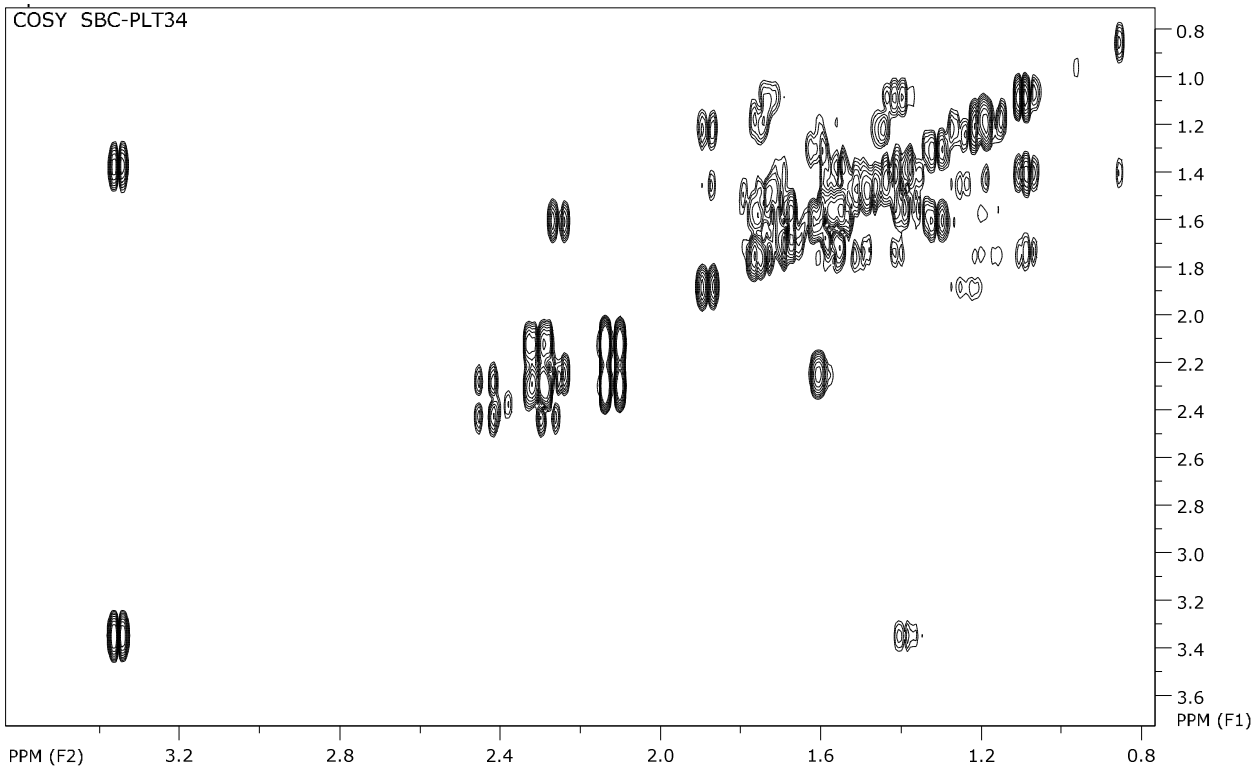
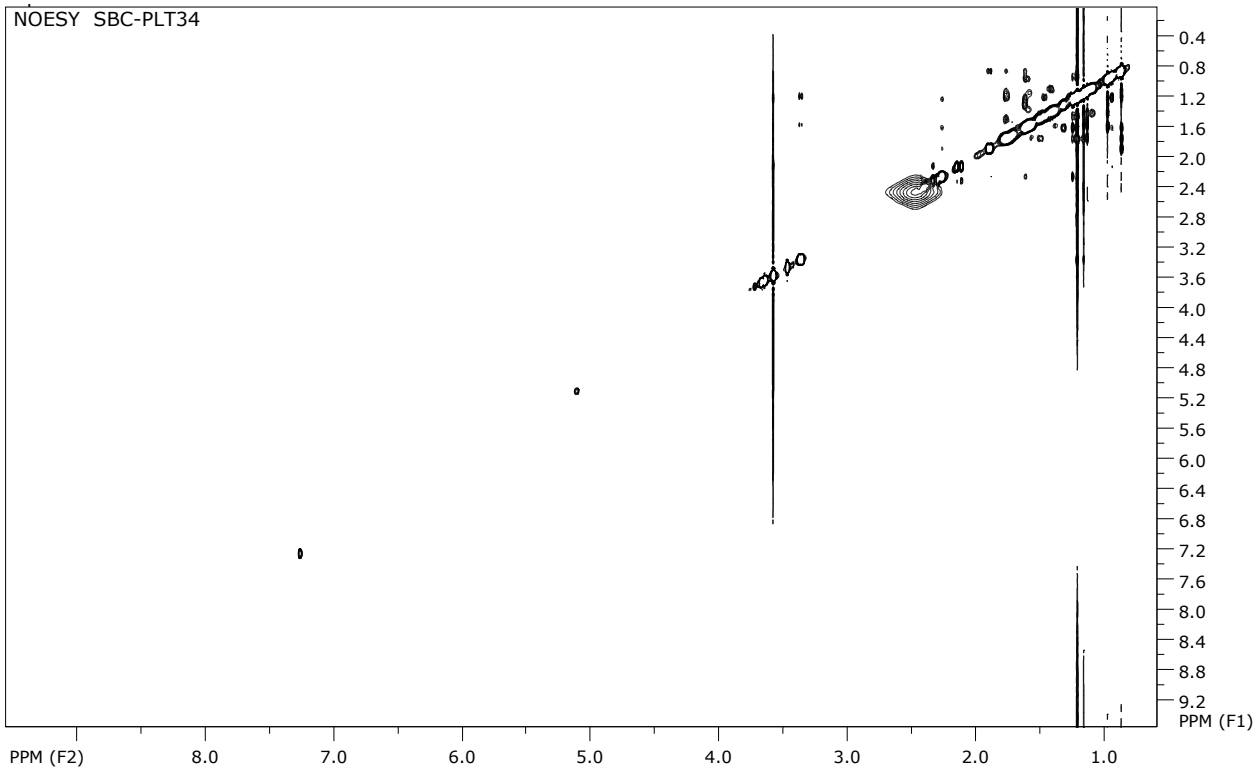


Figure S15. NOESY spectrum compound **4** (MeOD, 400 MHz).



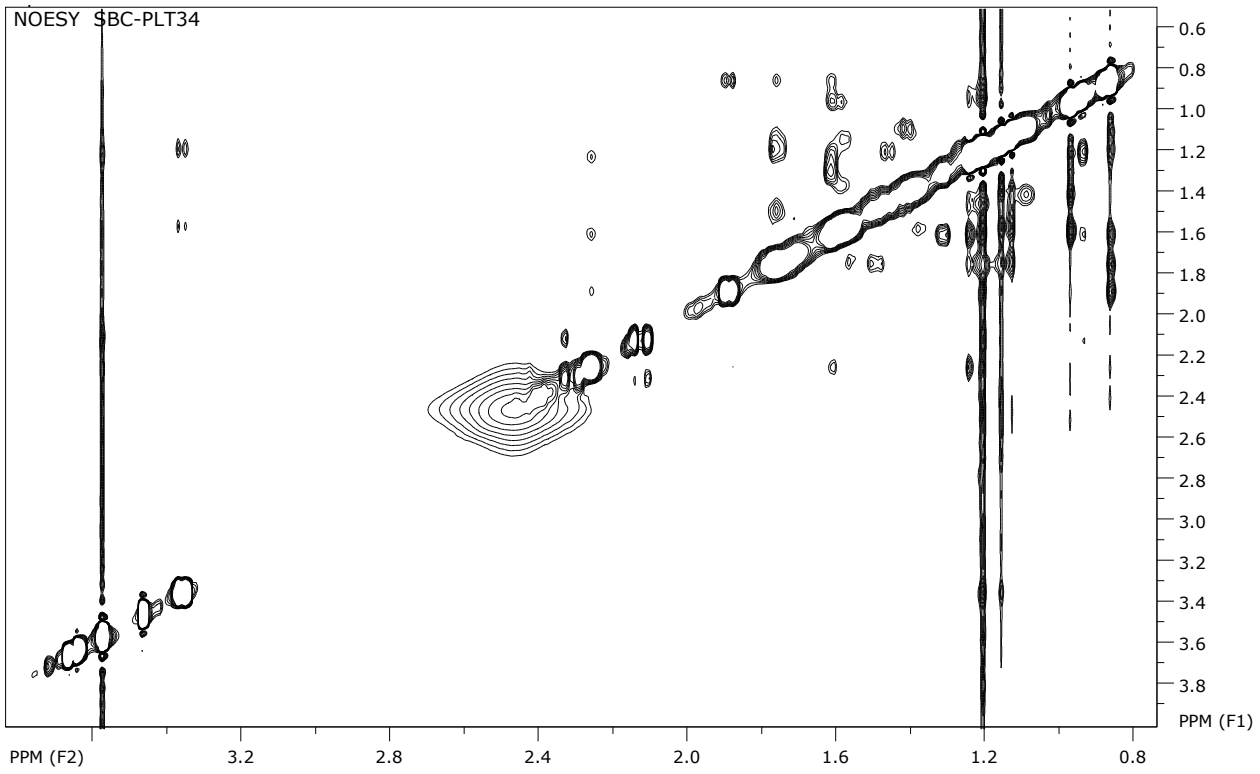
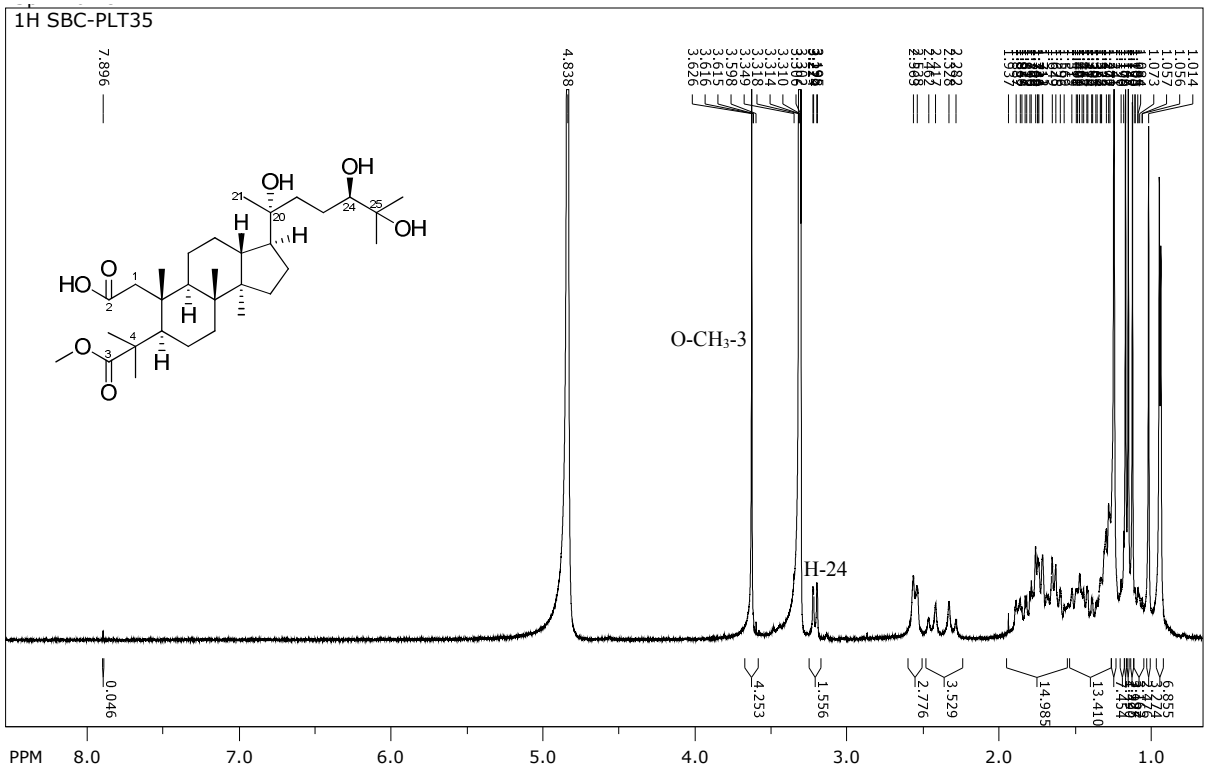
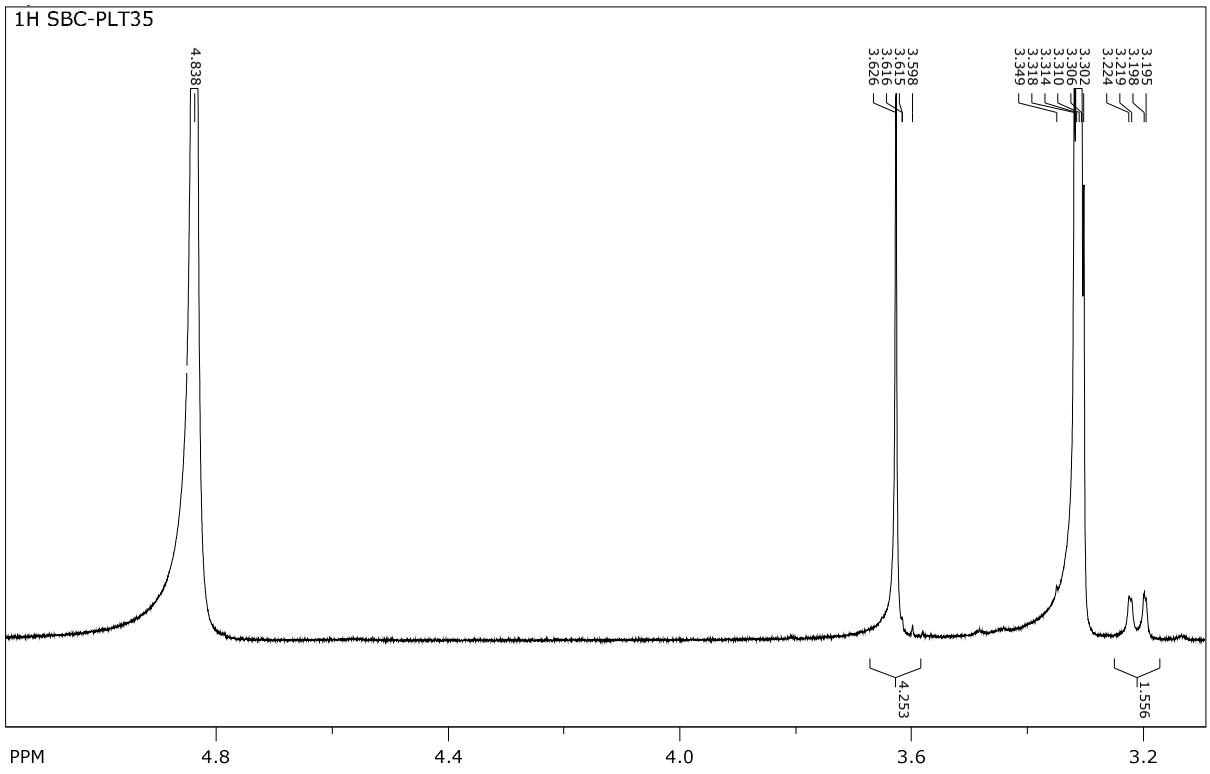


Figure S16. ^{1}H NMR spectrum of compound **5** (MeOD, 400 MHz).




1H SBC-PLT35
4.838
3.626
3.615
3.605
3.598
3.349
3.318
3.314
3.310
3.306
3.302
3.224
3.219
3.198
3.195
4.253
1.556
PPM
4.8
4.4
4.0
3.6
3.2

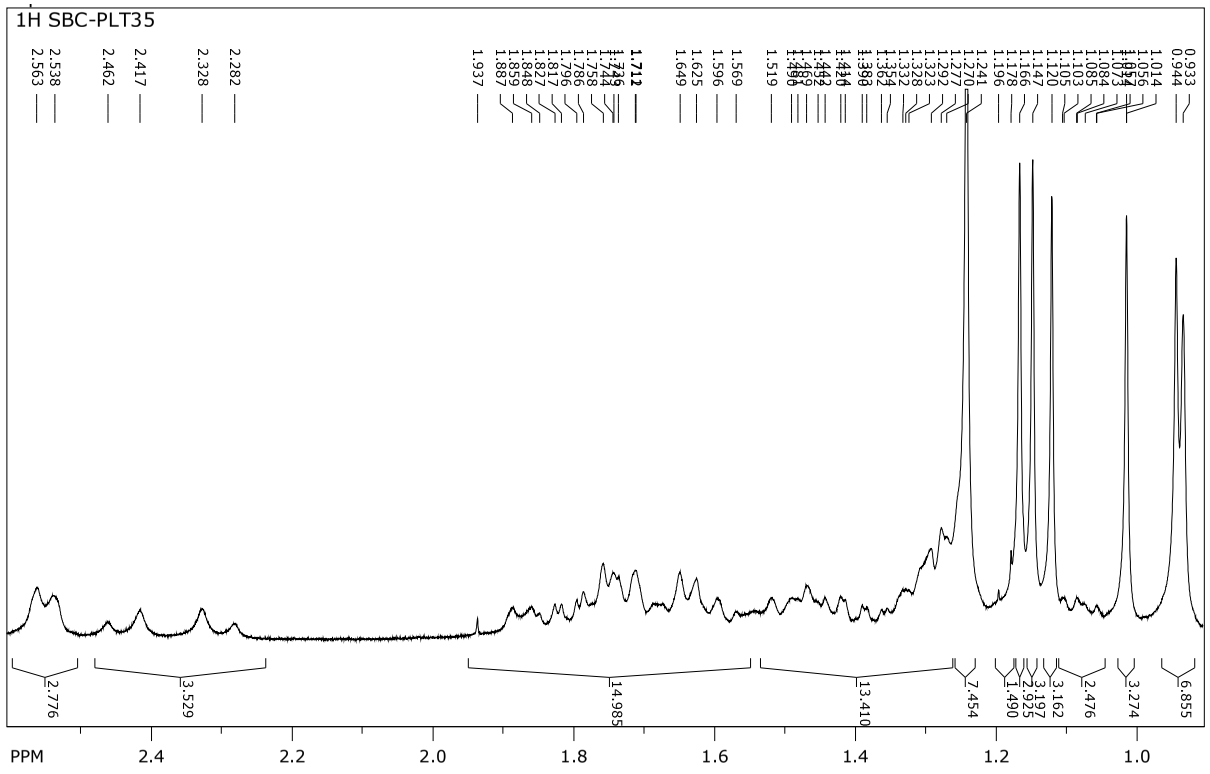

1H SBC-PLT35
2.563
2.538
2.462
2.417
2.328
2.282
1.937
1.887
1.859
1.848
1.827
1.817
1.796
1.786
1.758
1.712
1.649
1.625
1.596
1.569
1.519
1.410
1.362
1.354
1.332
1.328
1.323
1.292
1.279
1.241
1.196
1.176
1.147
1.120
1.105
1.103
1.085
1.084
1.073
1.056
1.014
0.944
0.933
2.776
3.529
14.985
13.410
7.454
1.490
3.197
3.162
2.476
3.274
6.855
PPM
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0

Figure S17. ^{13}C NMR spectrum of compound **5** (MeOD, 100 MHz).

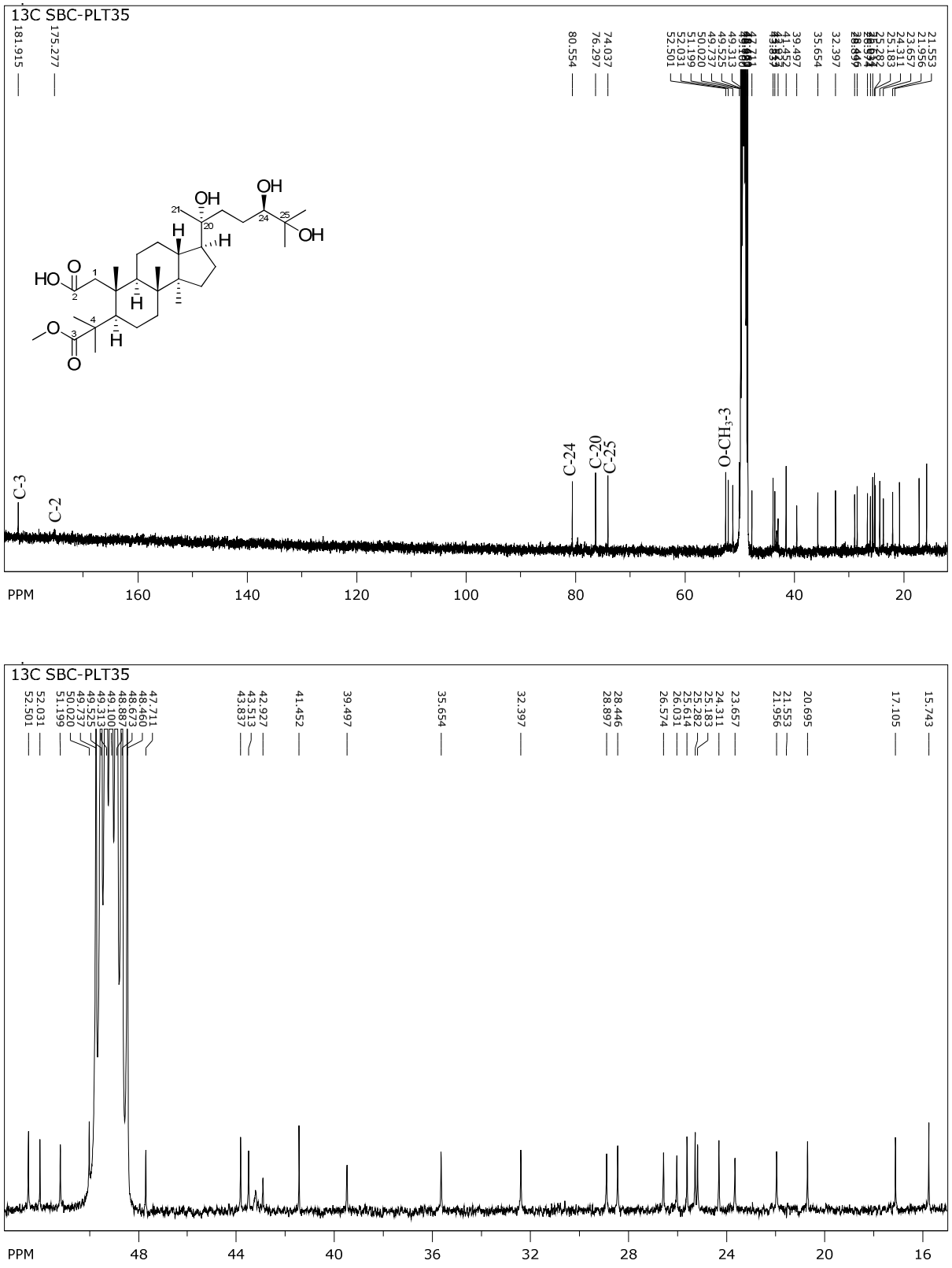


Figure S18. ^{13}C DEPT 135 spectrum of compound **5** (MeOD, 100 MHz).

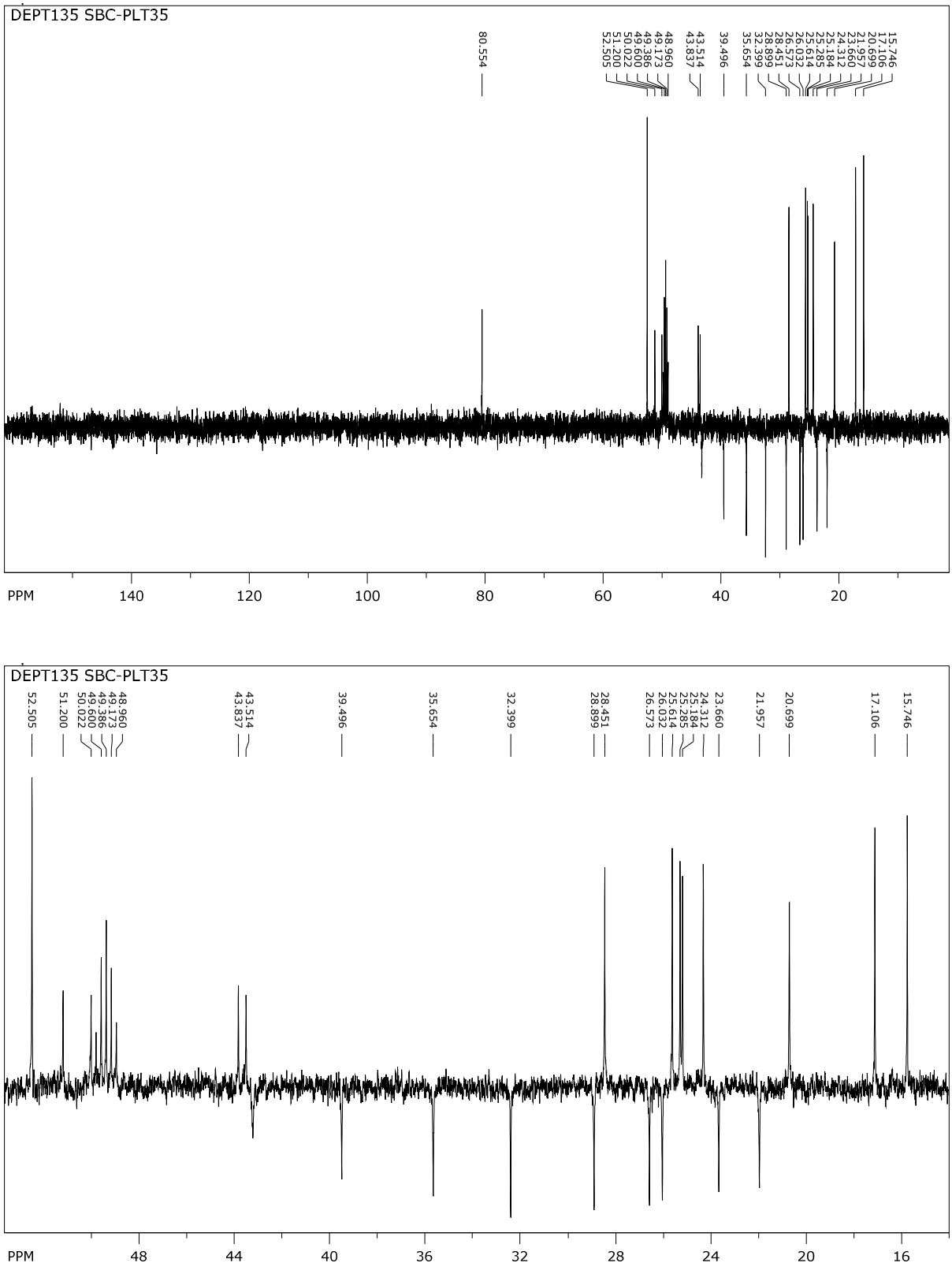


Figure S19. HSQC spectrum compound **5** (MeOD, 400 MHz).

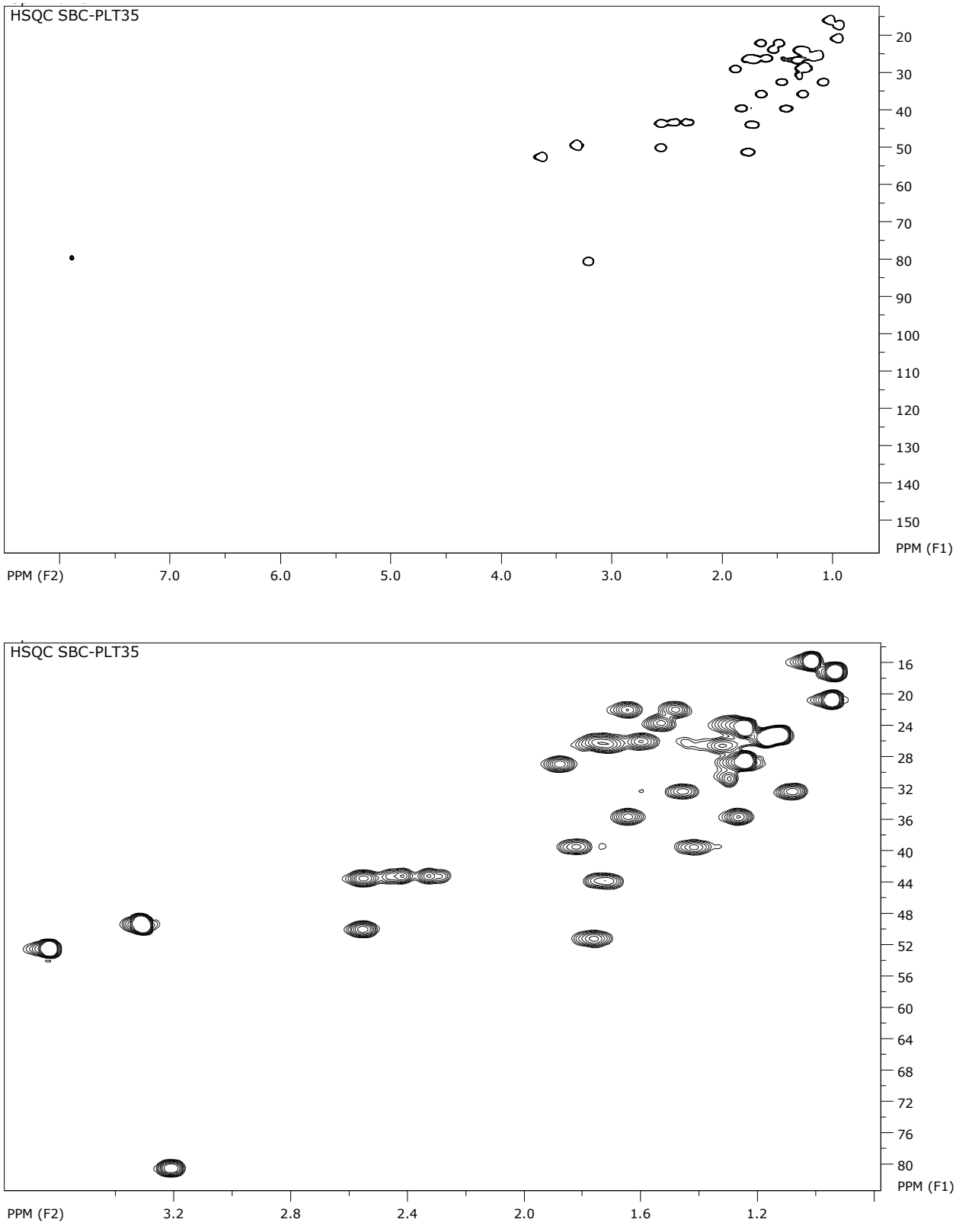


Figure S20. HMBC spectrum of compound **5** (MeOD, 400 MHz).

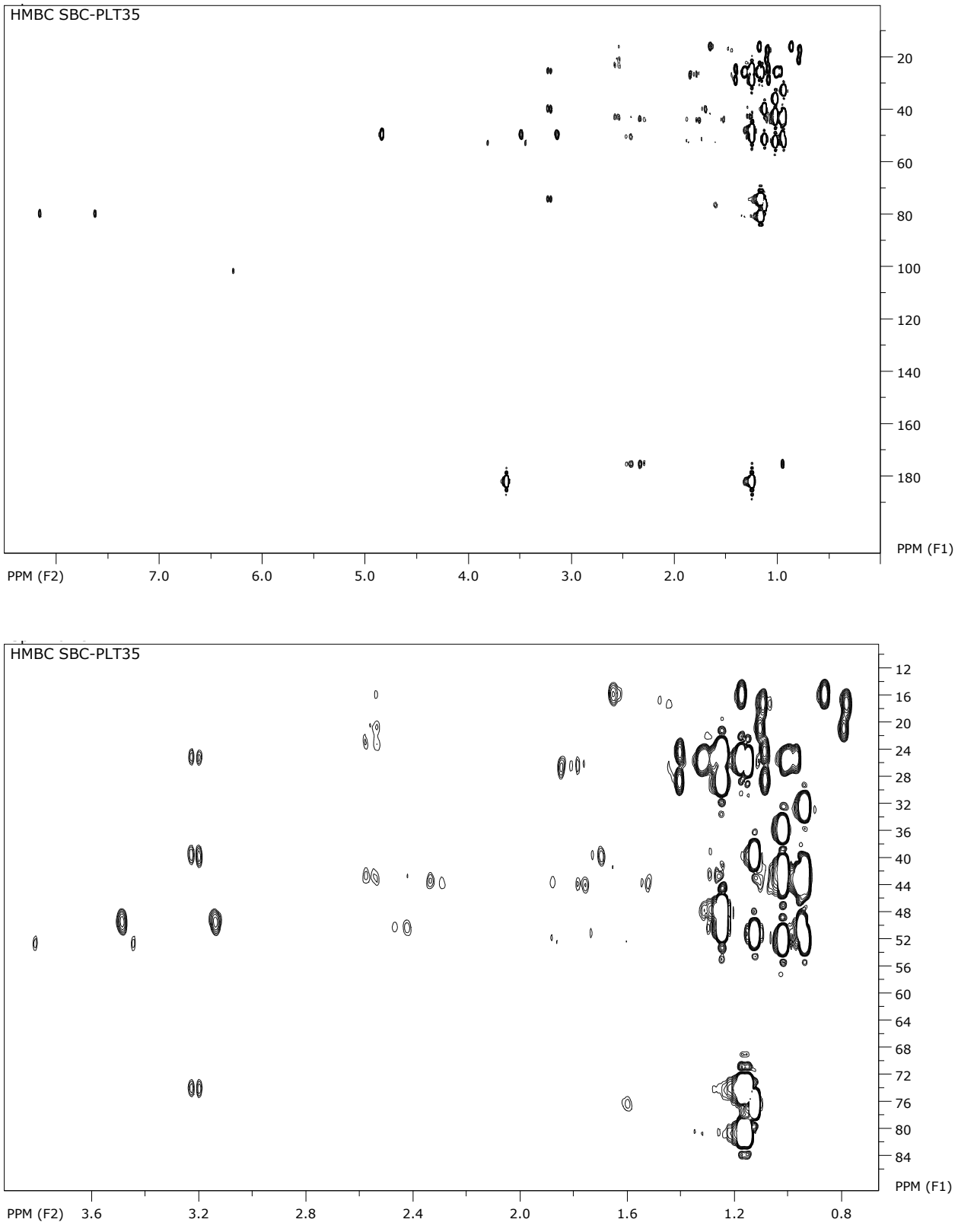


Figure S21. COSY spectrum compound **5** (MeOD, 400 MHz).

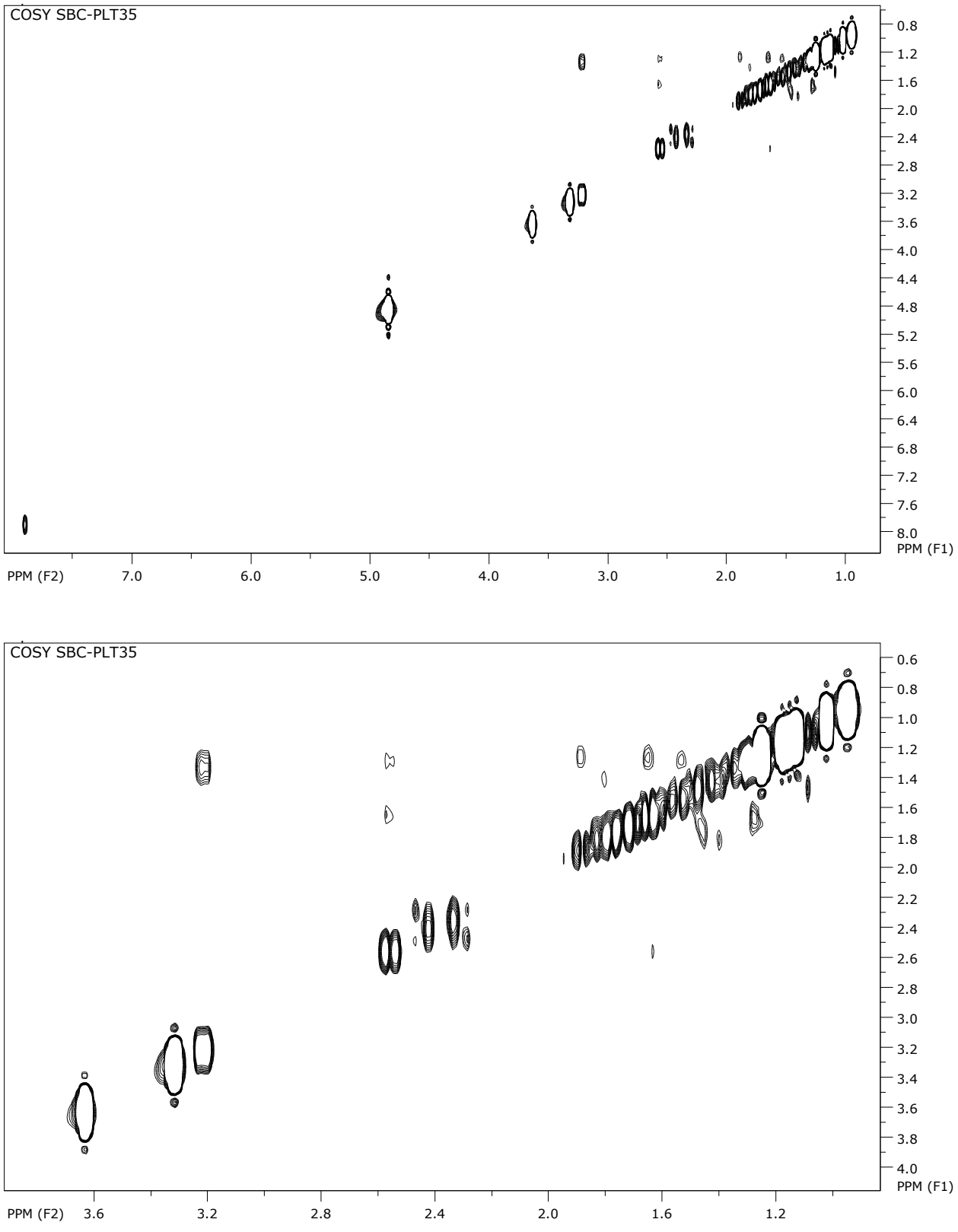


Figure S22. NOESY spectrum compound **5** (MeOD, 400 MHz).

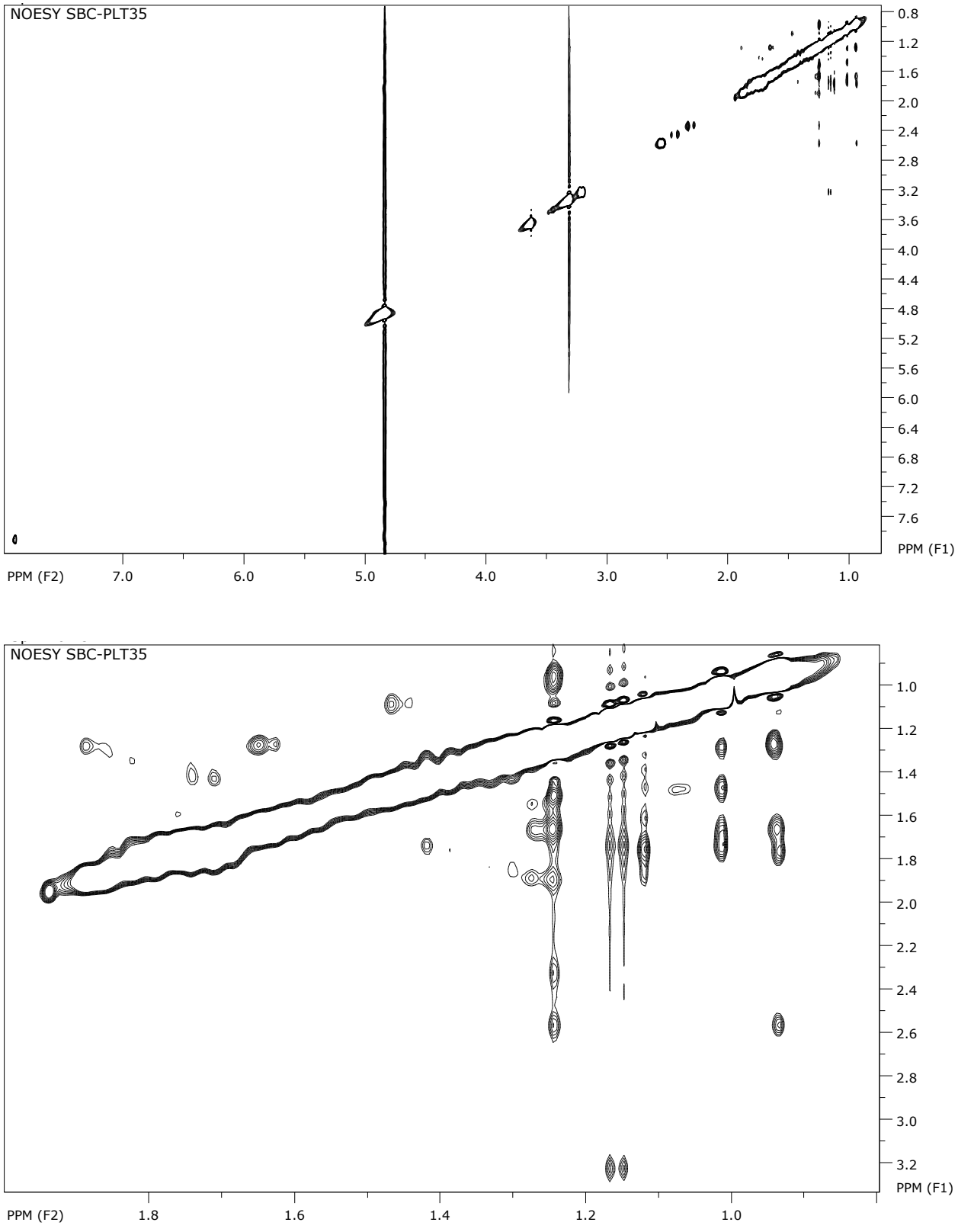
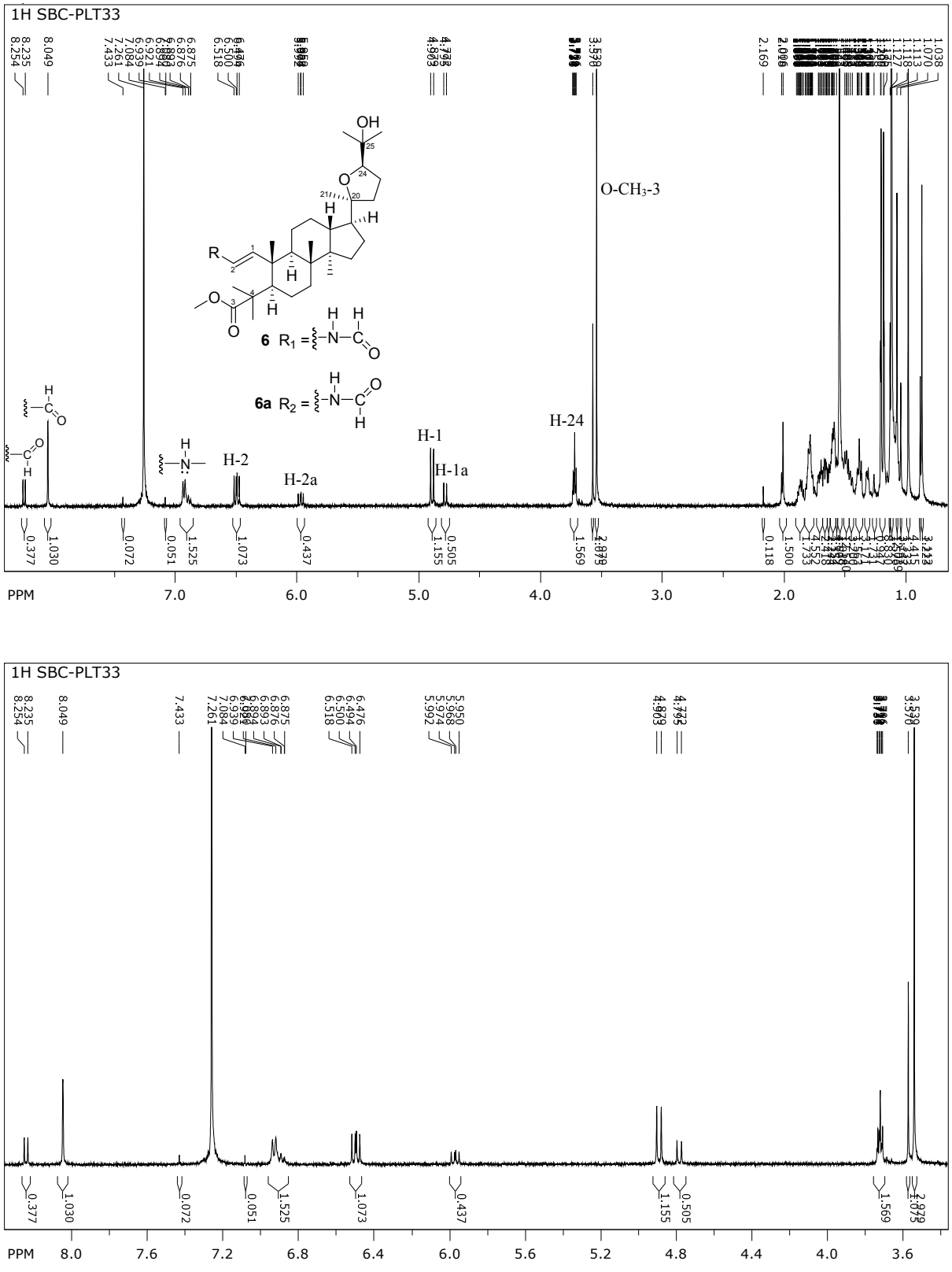
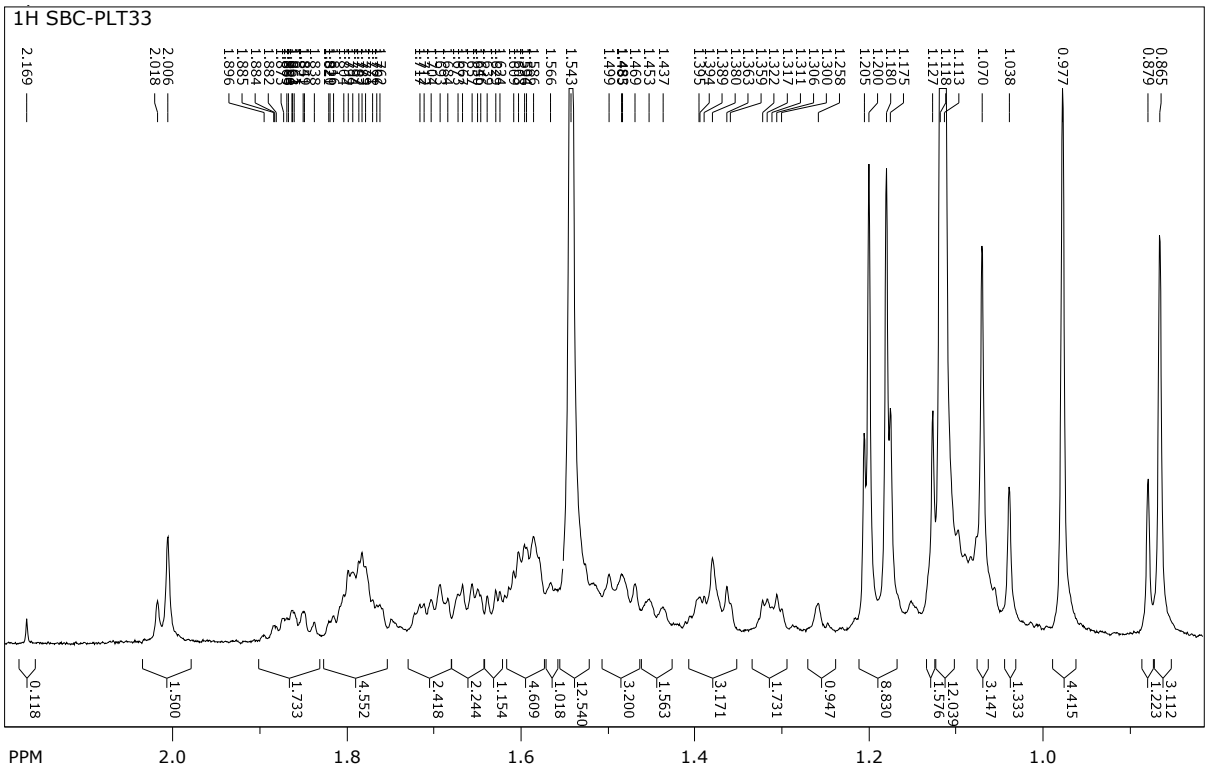


Figure S23. ^{1}H NMR spectrum of compound **6** ($CDCl_3$, 600 MHz).




1H SBC-PLT33
PPM
2.0
1.8
1.6
1.4
1.2
1.0

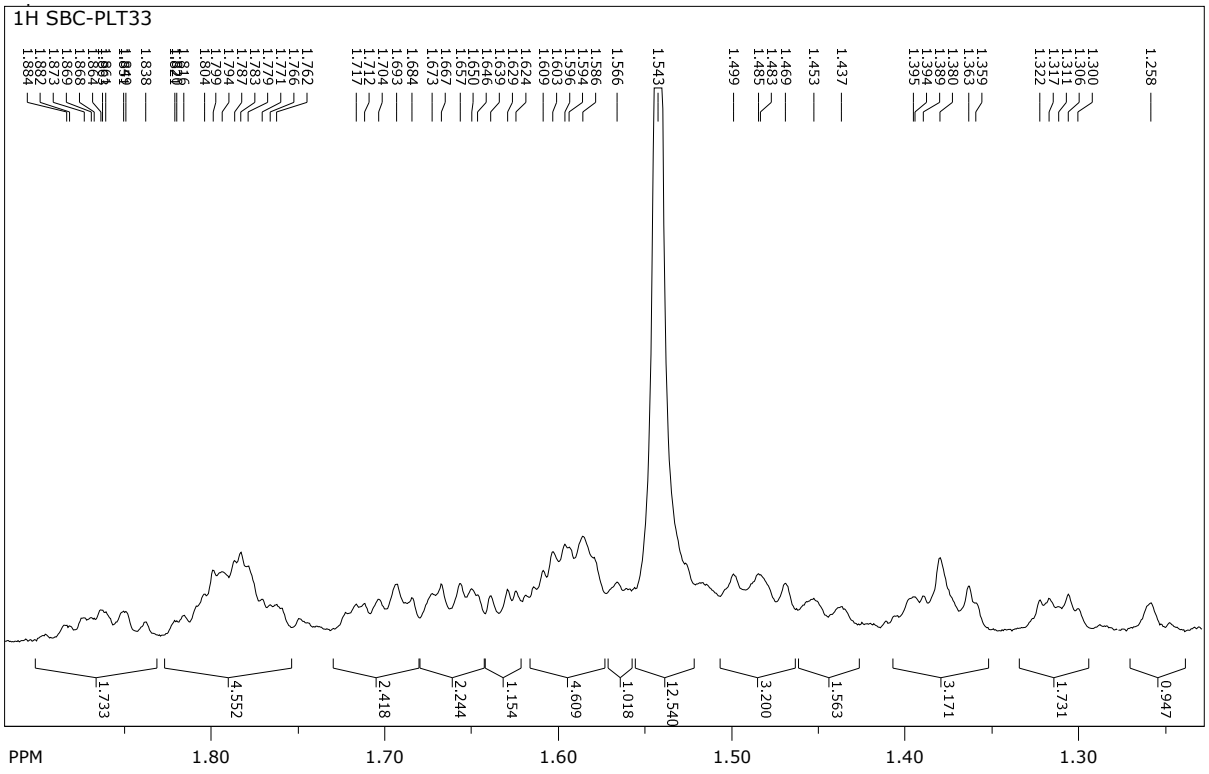
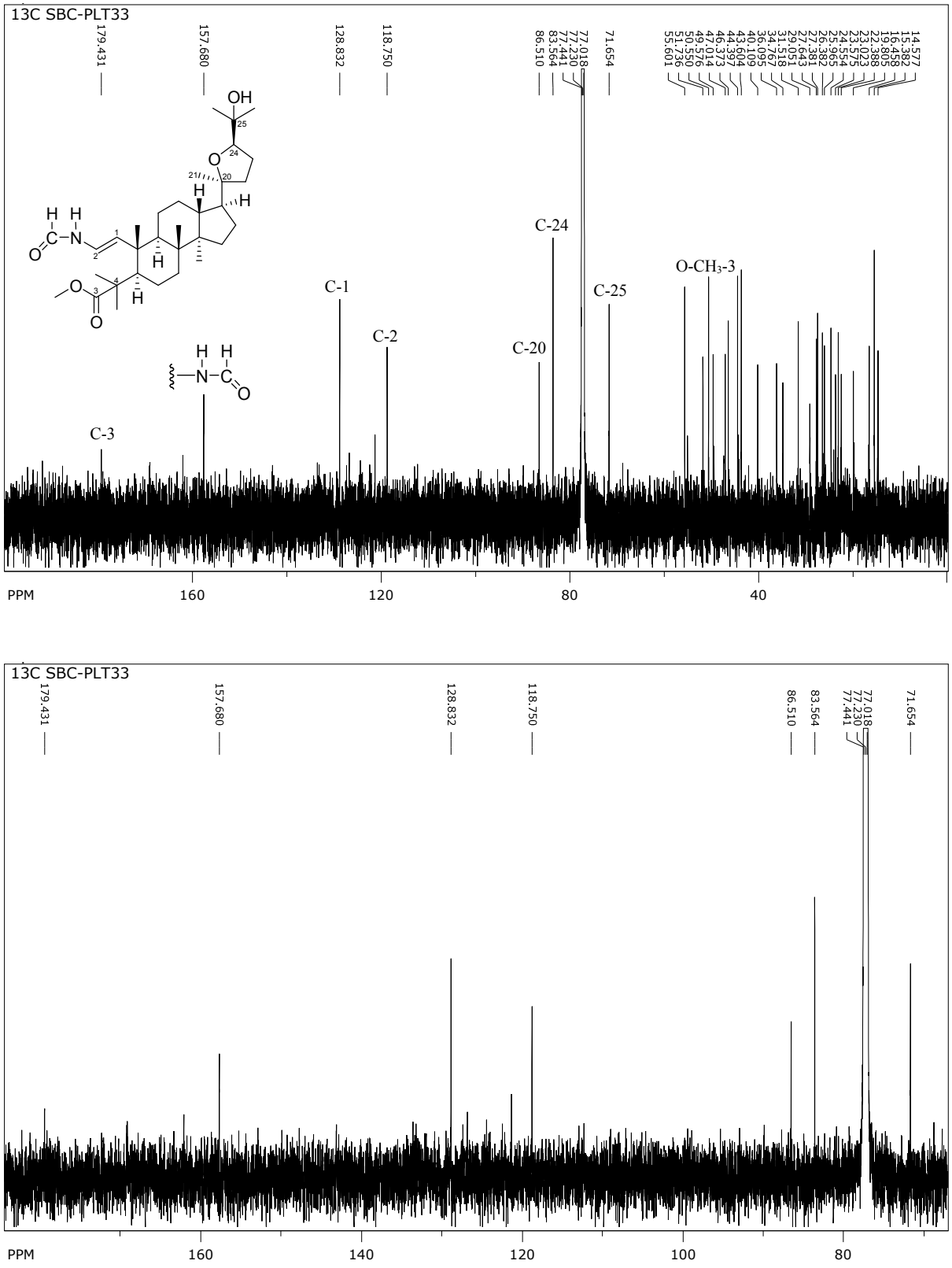

1H SBC-PLT33
PPM
1.80
1.70
1.60
1.50
1.40
1.30

Figure S24. ^{13}C NMR spectrum of compound **6** ($CDCl_3$, 150 MHz).



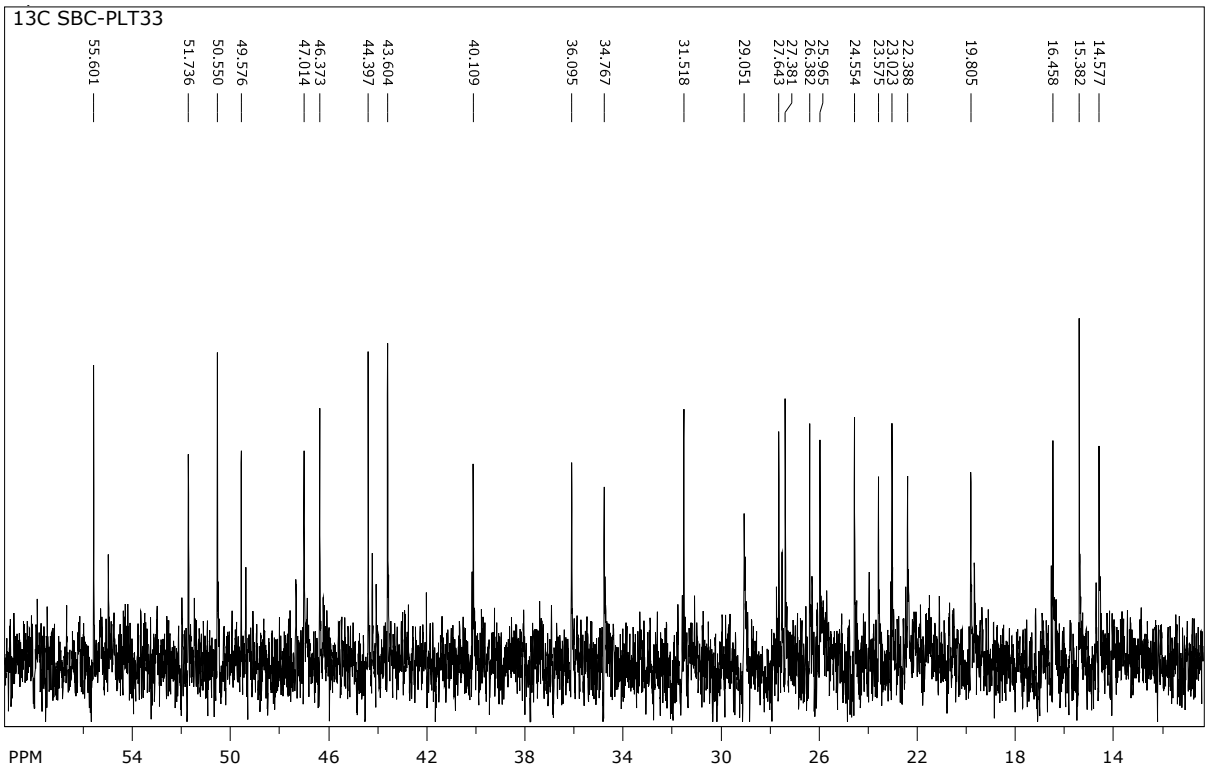
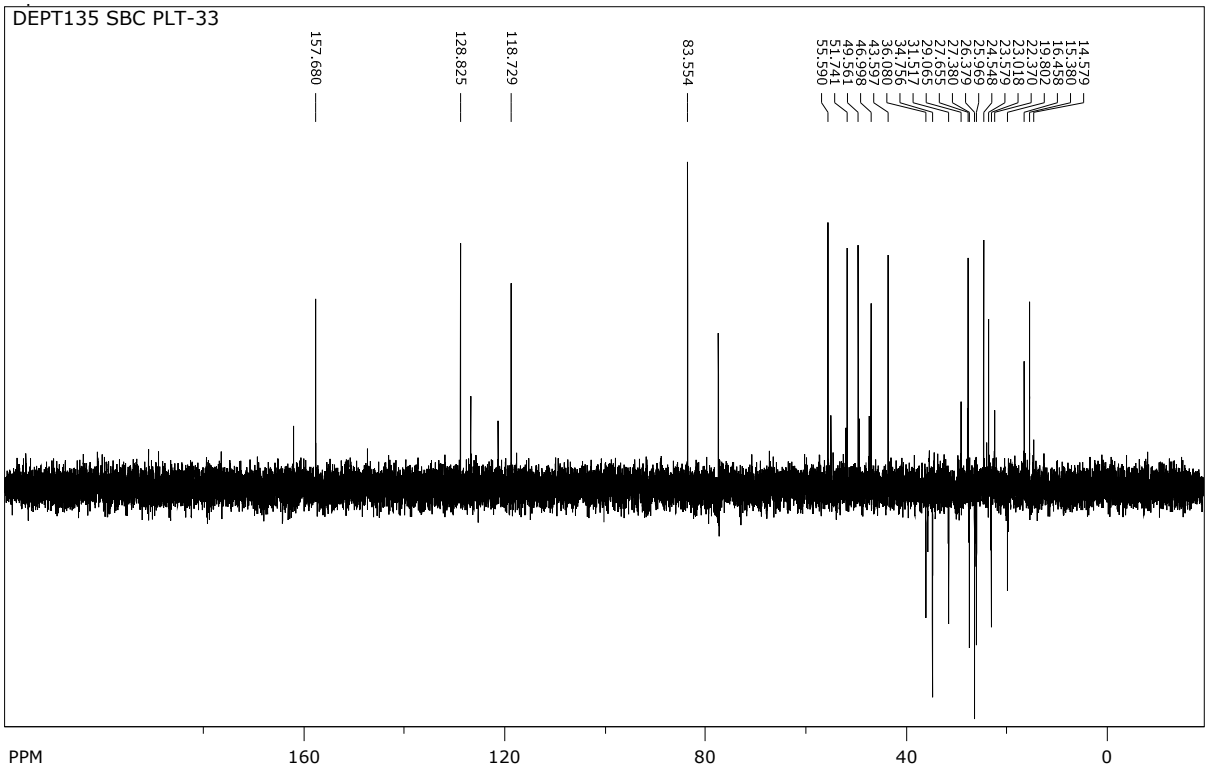


Figure S25. ^{13}C DEPT 135 spectrum of compound **6** ($CDCl_3$, 150 MHz).



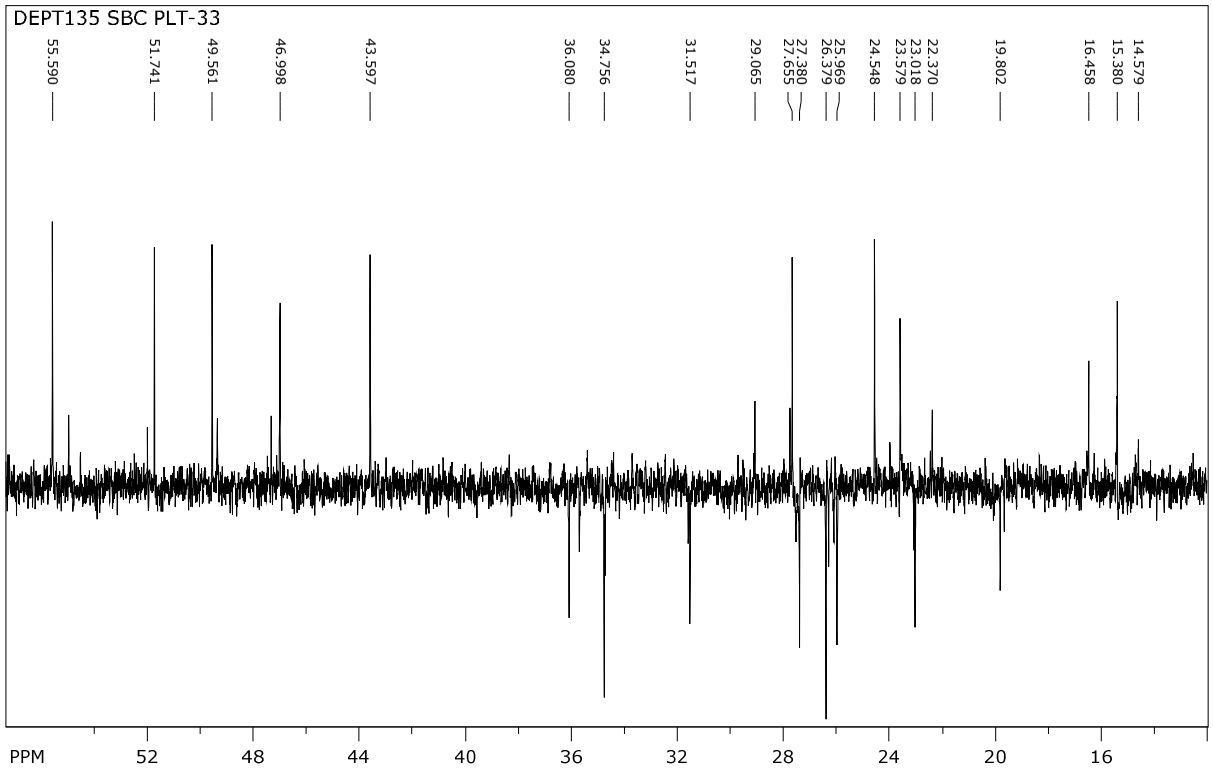
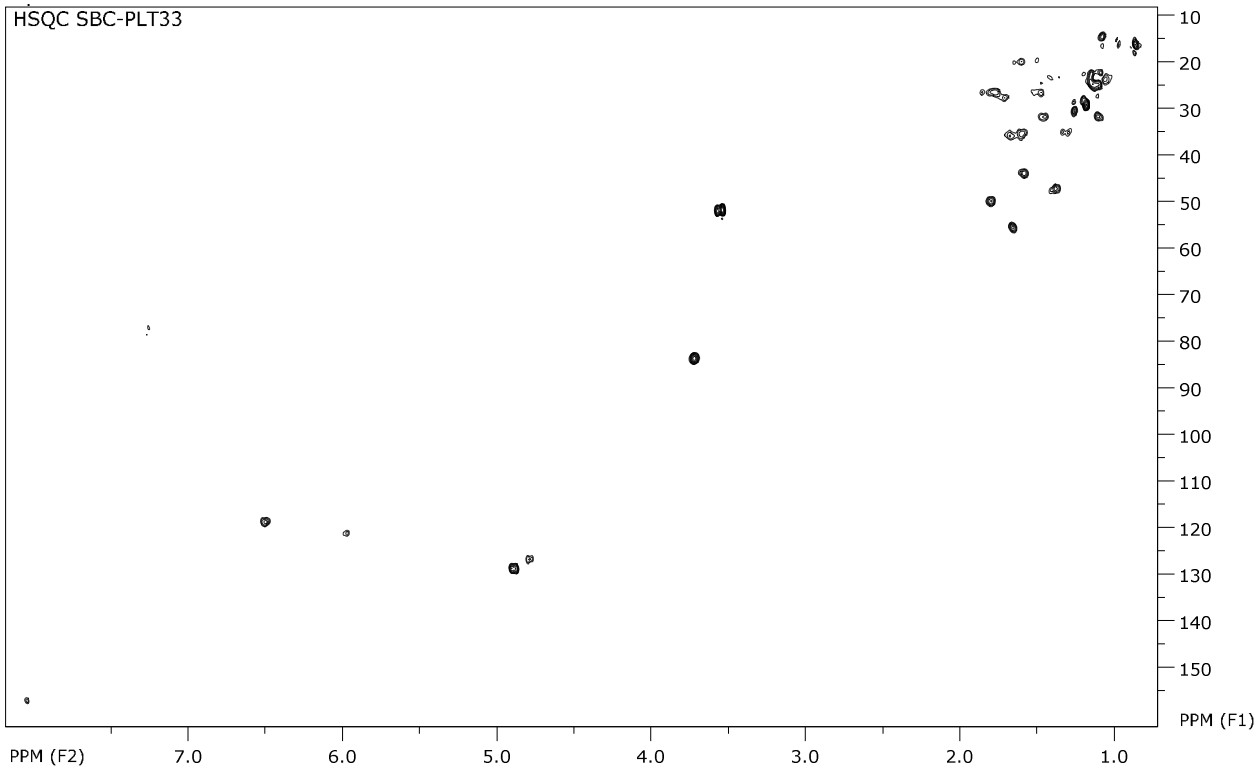


Figure S26. HSQC spectrum compound **6** ($CDCl_3$, 600 MHz).



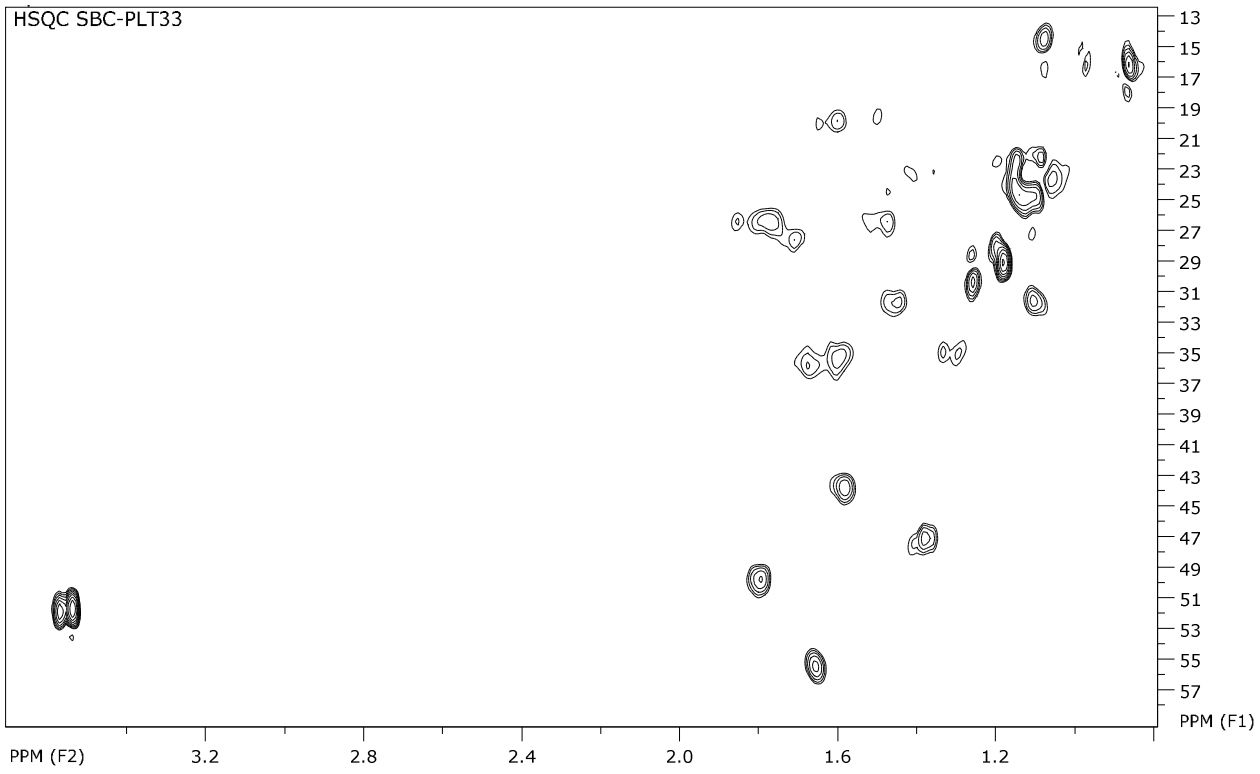
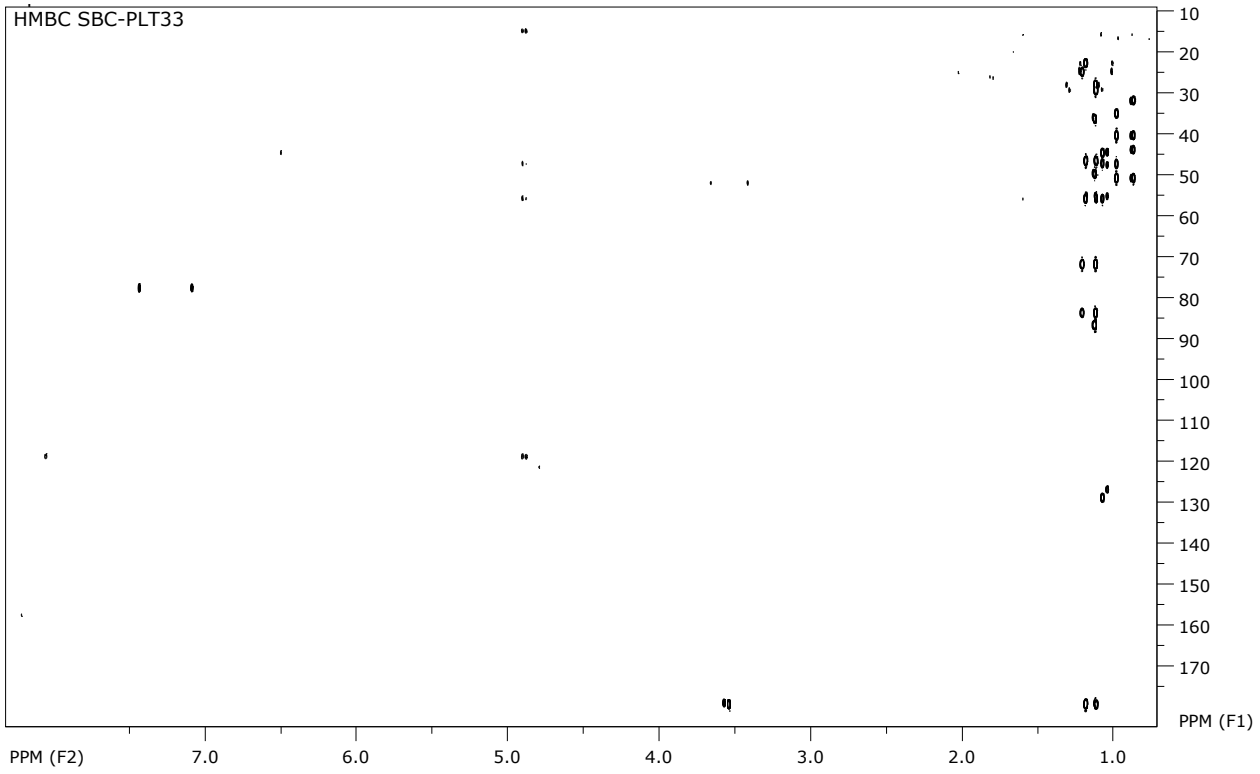
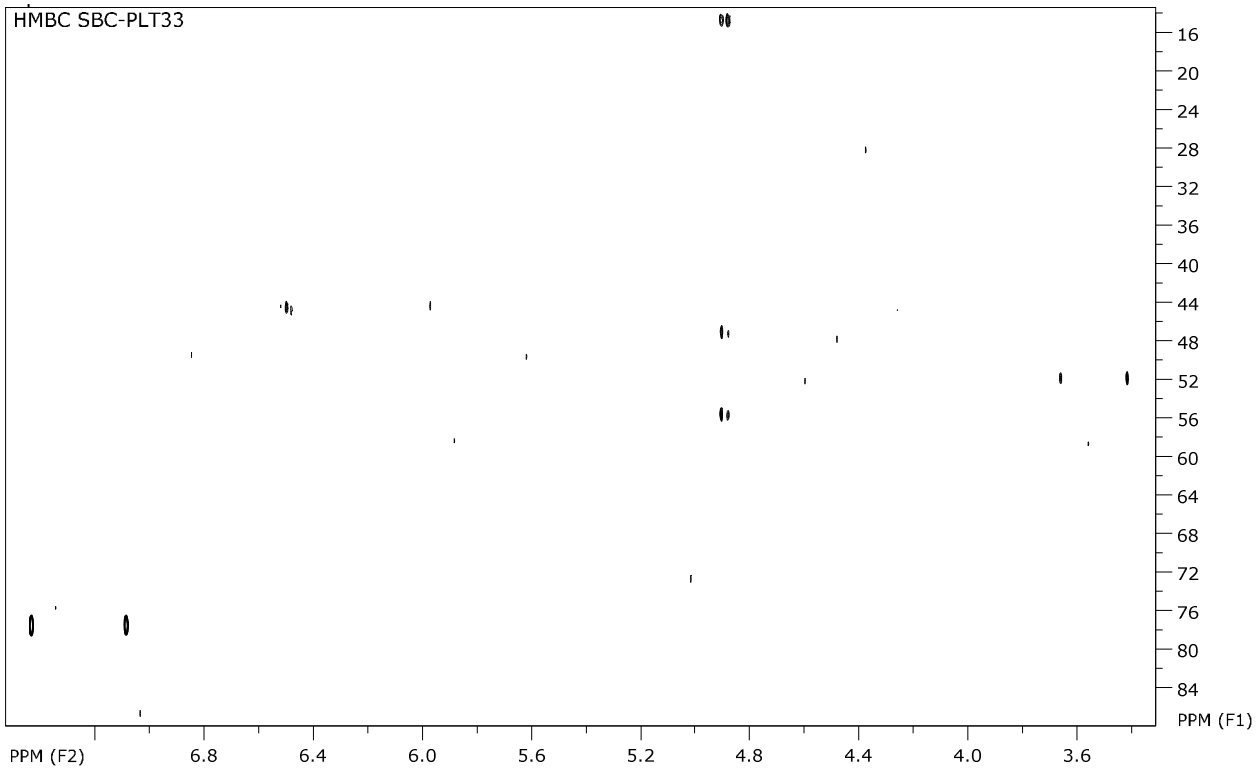


Figure S27. HMBC spectrum of compound **6** ($CDCl_3$, 600 MHz).




HMBC SBC-PLT33
16
20
24
28
32
36
40
44
48
52
56
60
64
68
72
76
80
84
PPM (F1)
PPM (F2)
6.8
6.4
6.0
5.6
5.2
4.8
4.4
4.0
3.6

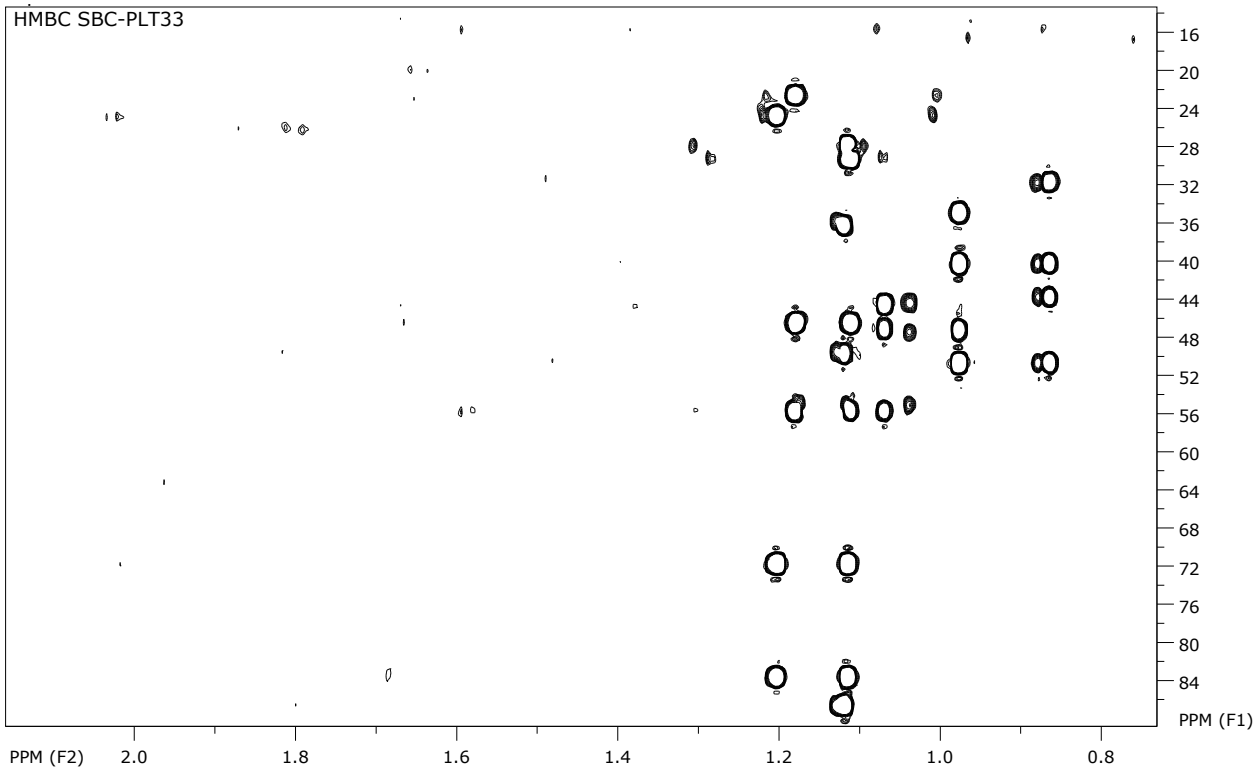
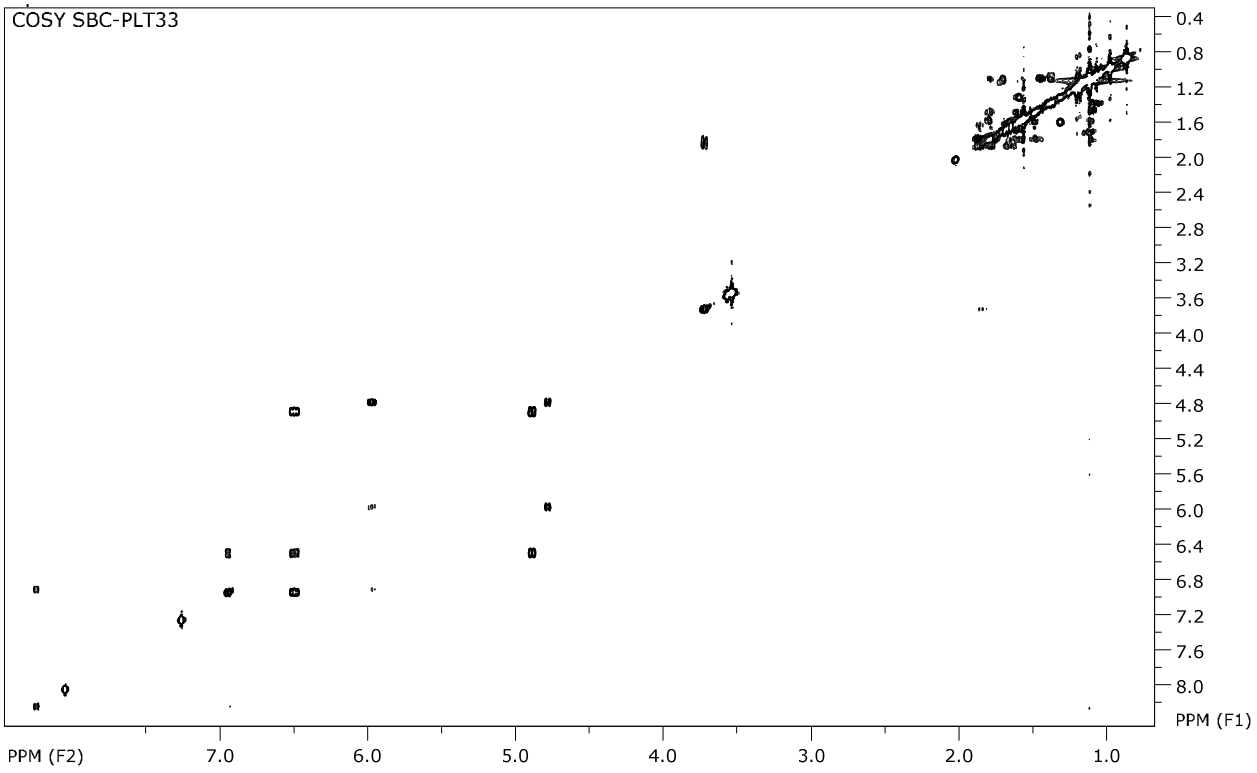
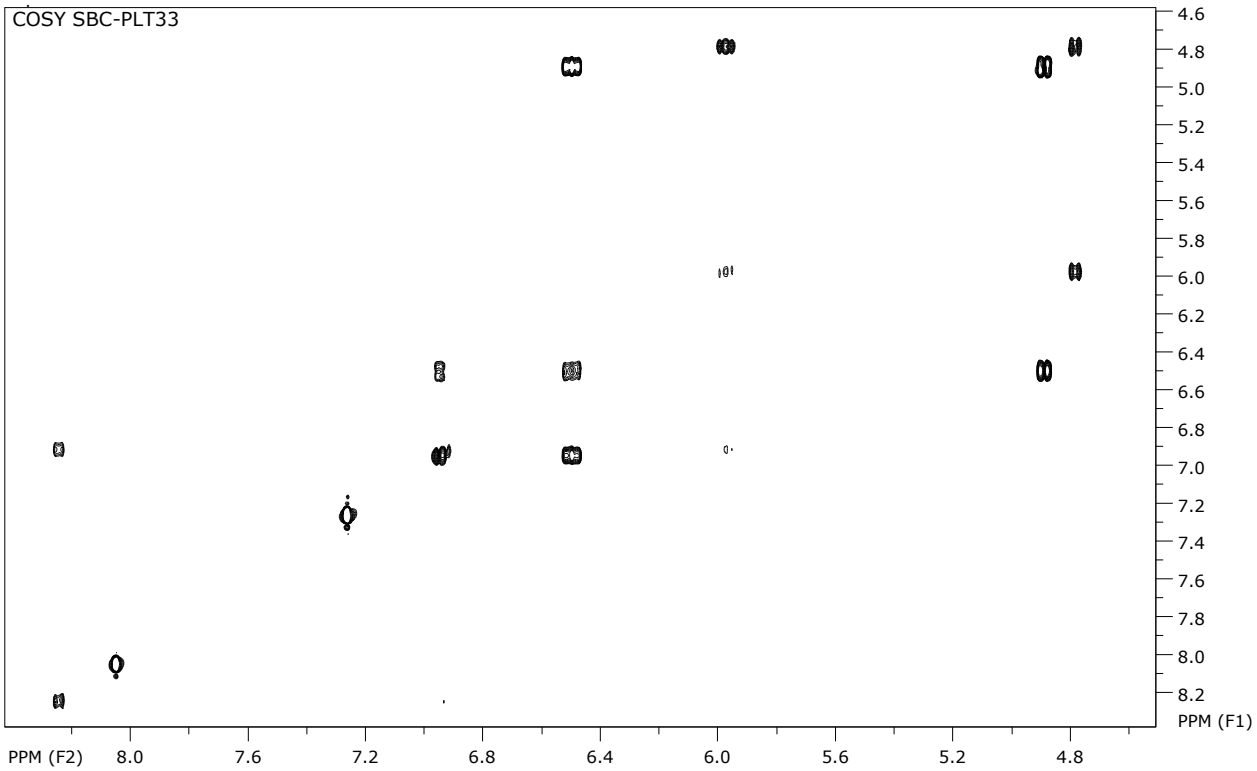

HMBC SBC-PLT33
16
20
24
28
32
36
40
44
48
52
56
60
64
68
72
76
80
84
PPM (F1)
PPM (F2)
2.0
1.8
1.6
1.4
1.2
1.0
0.8

Figure S28. COSY spectrum compound **6** ($CDCl_3$, 600 MHz).





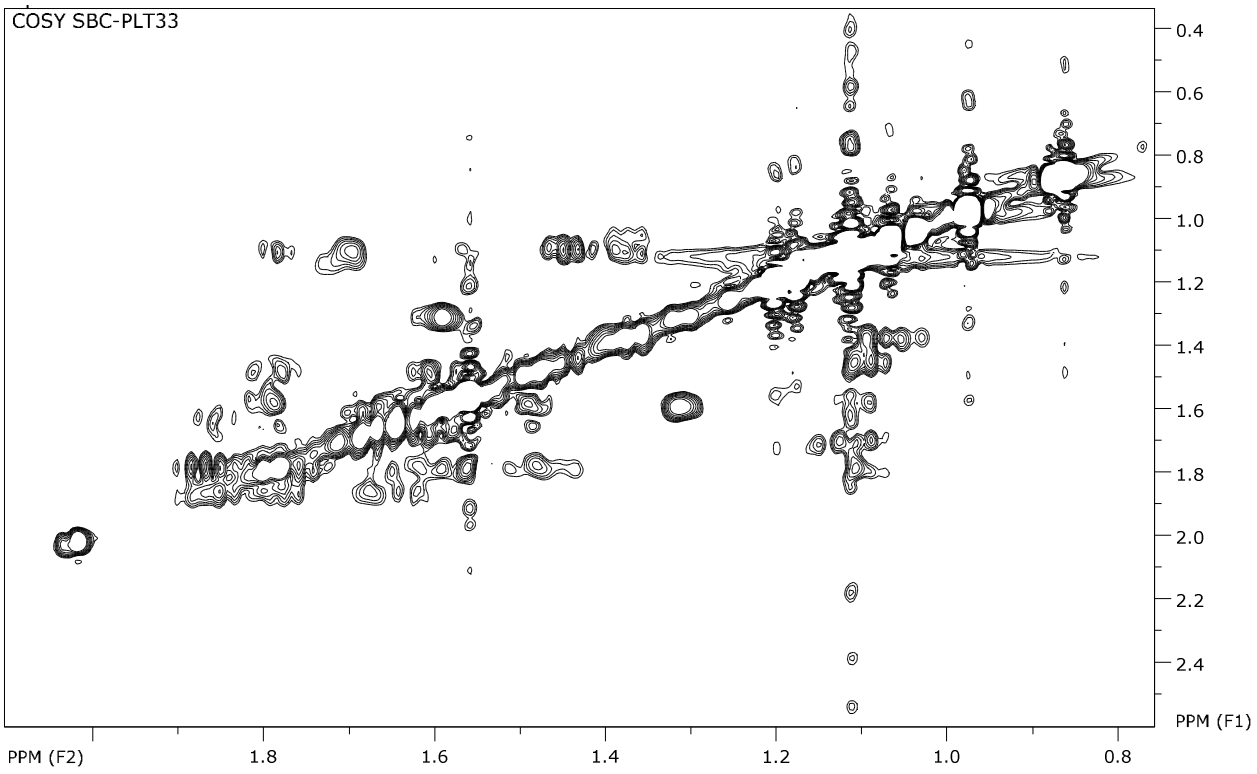
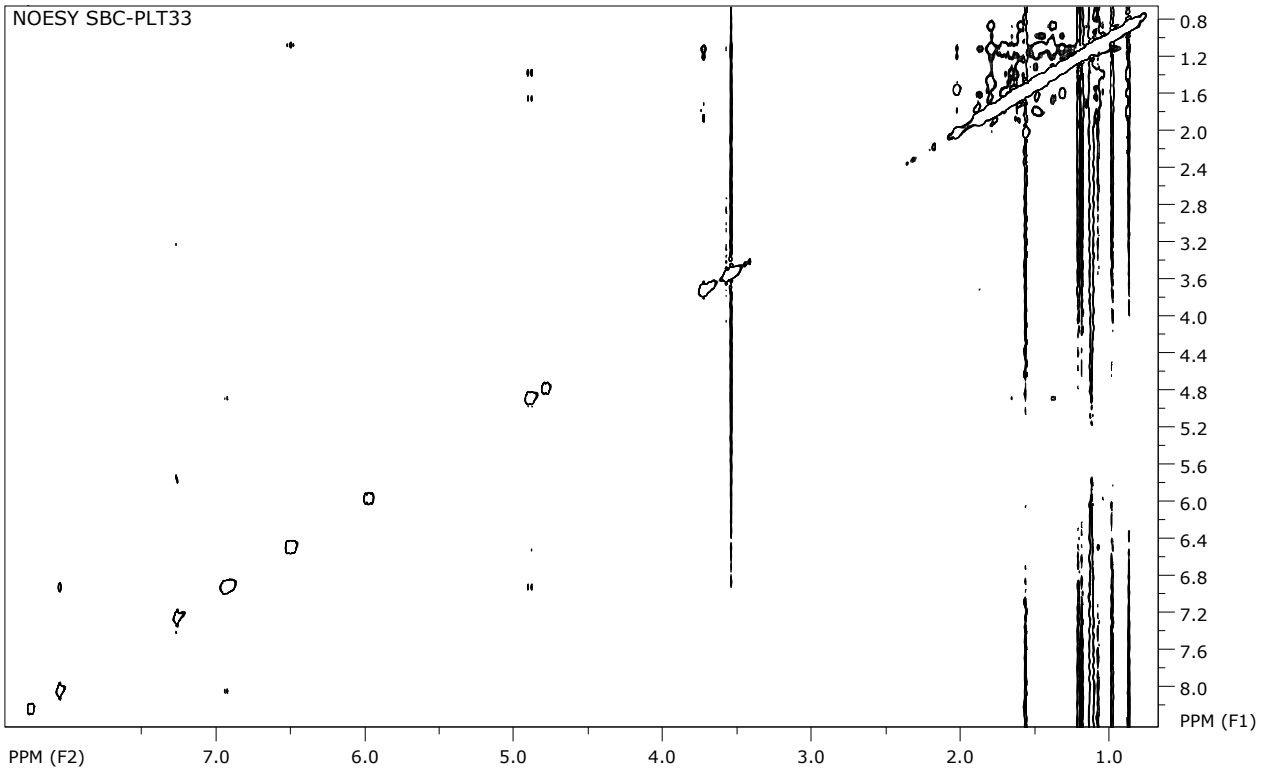
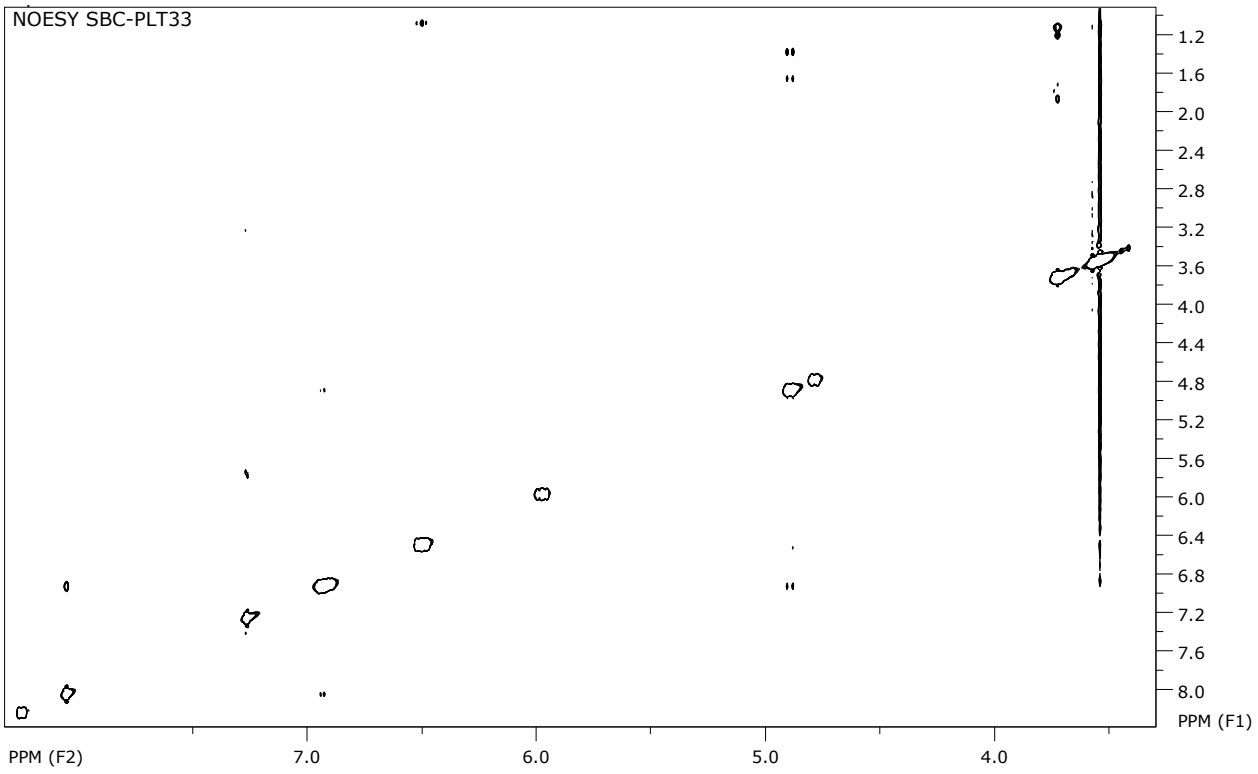


Figure S29. NOESY spectrum compound **6** ($CDCl_3$, 600 MHz).




NOESY SBC-PLT33
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6
8.0
PPM (F1)
PPM (F2)
7.0
6.0
5.0
4.0

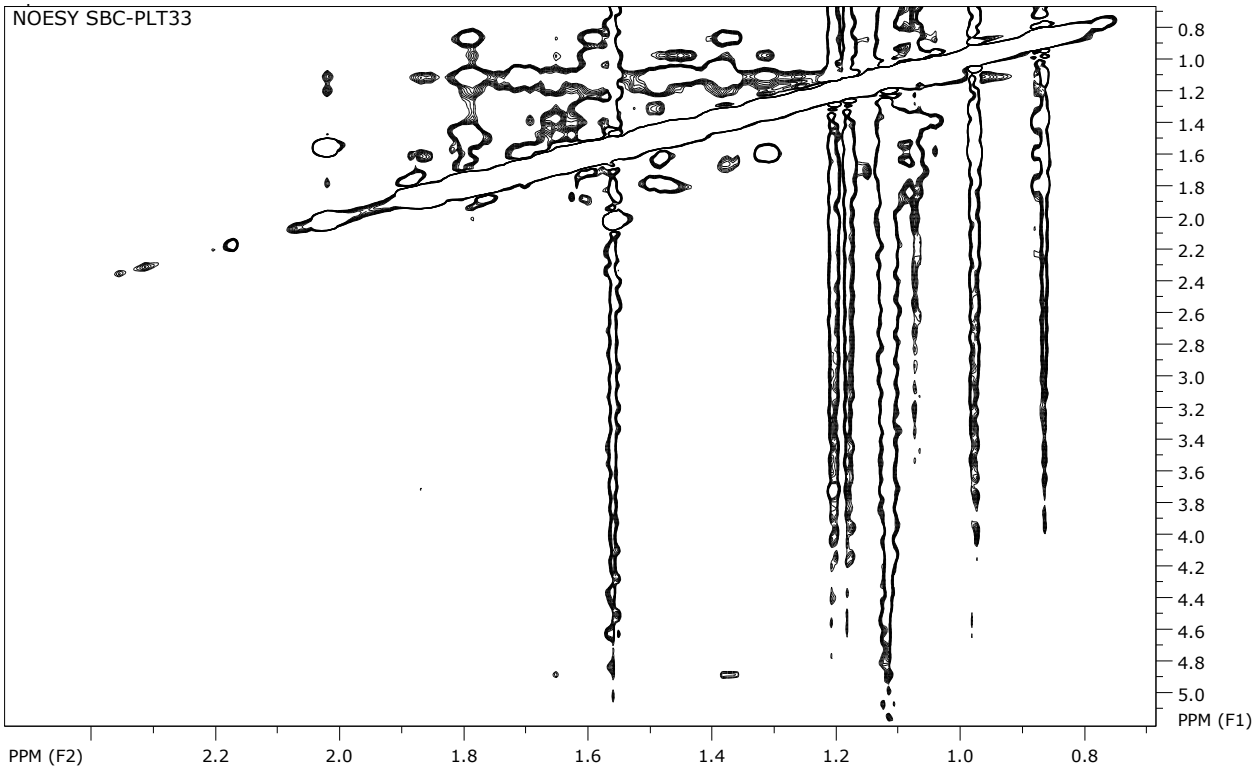
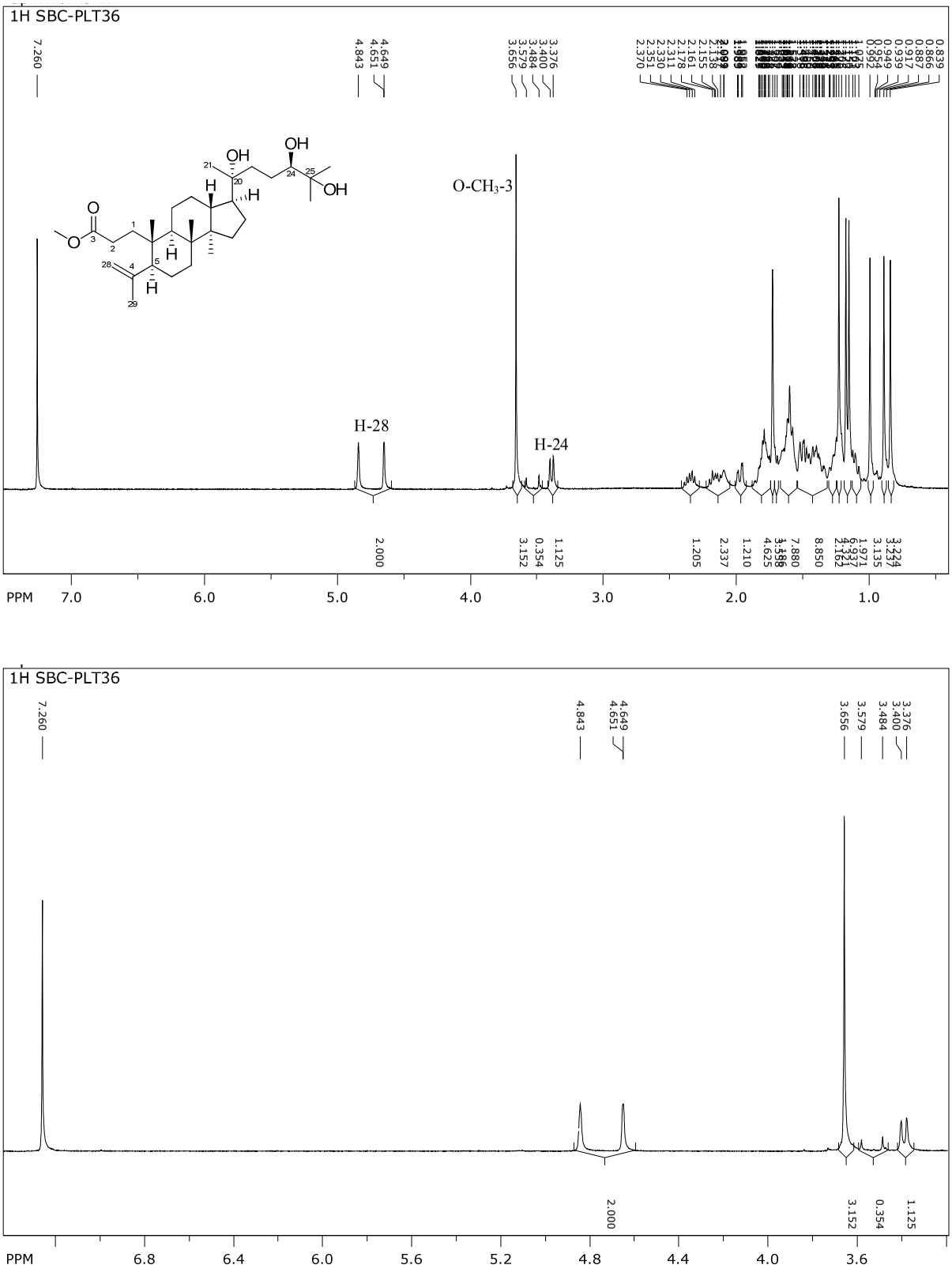

NOESY SBC-PLT33
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
3.2
3.4
3.6
3.8
4.0
4.2
4.4
4.6
4.8
5.0
PPM (F1)
PPM (F2)
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8

Figure S30. ^{1}H NMR spectrum of compound **7** ($CDCl_3$, 400 MHz).



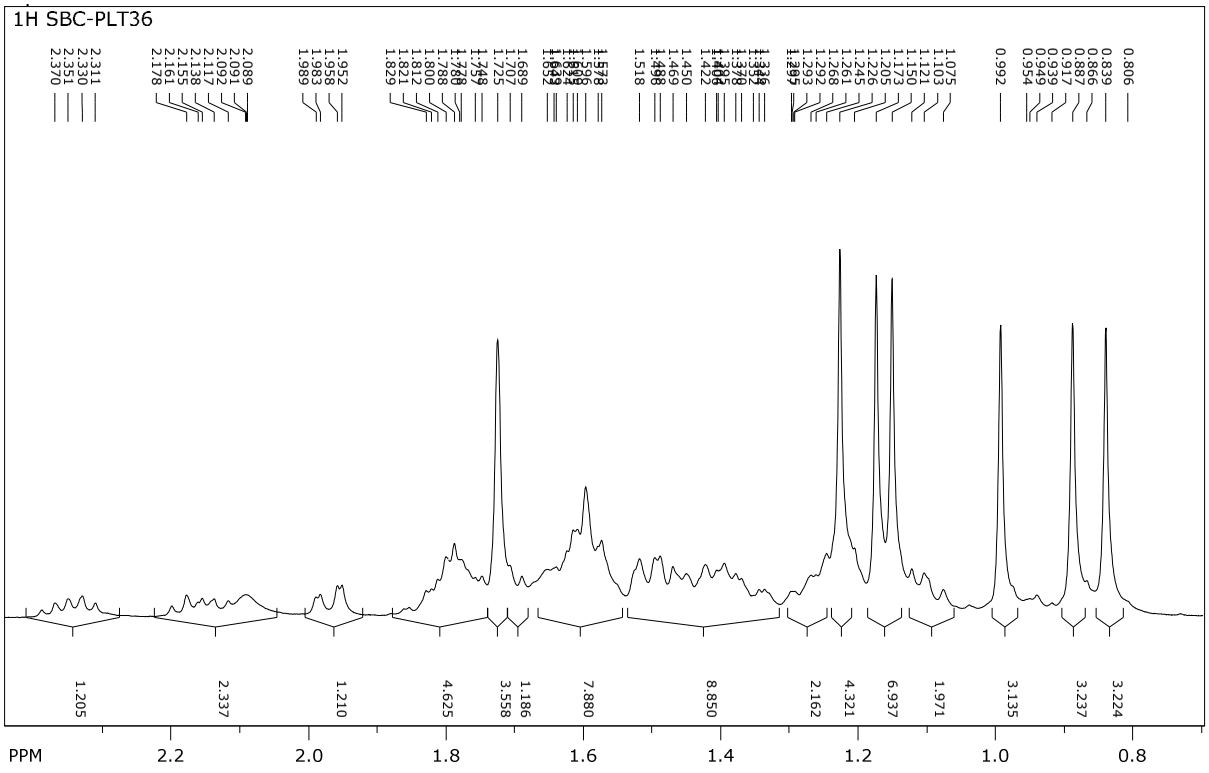
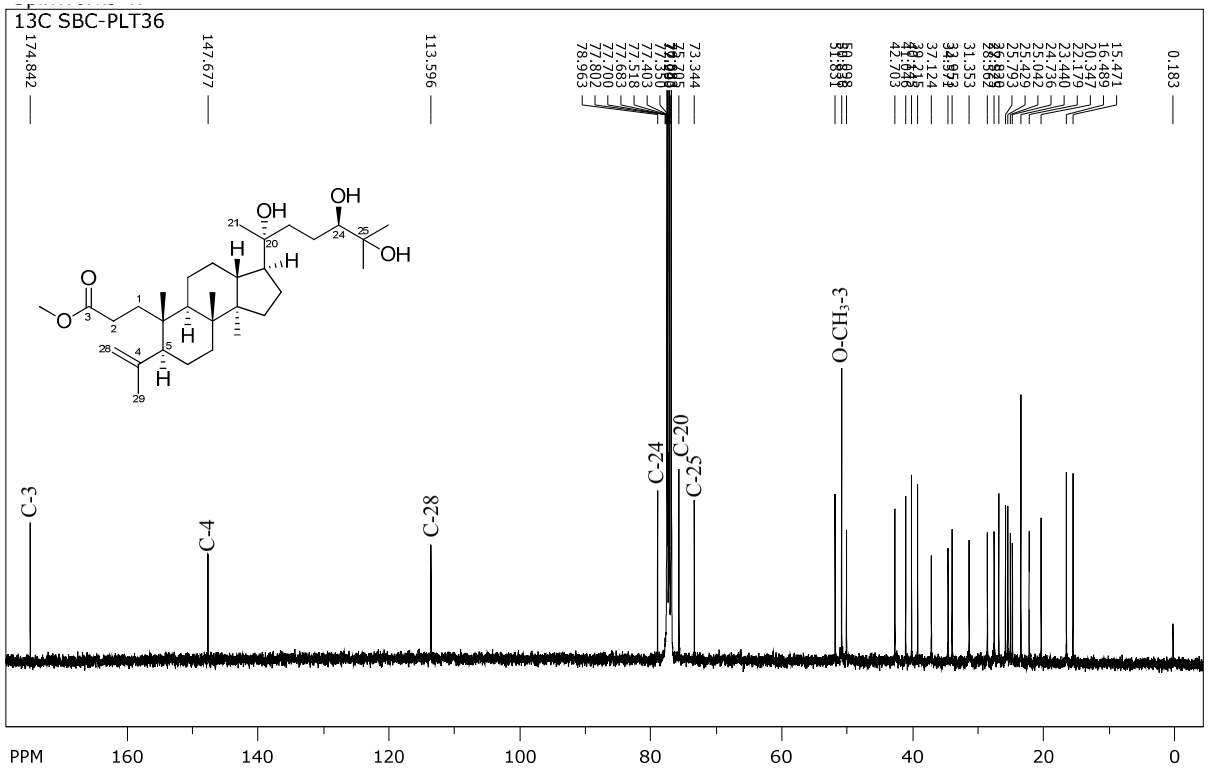


Figure S31. ^{13}C NMR spectrum of compound **7** ($CDCl_3$, 100 MHz).



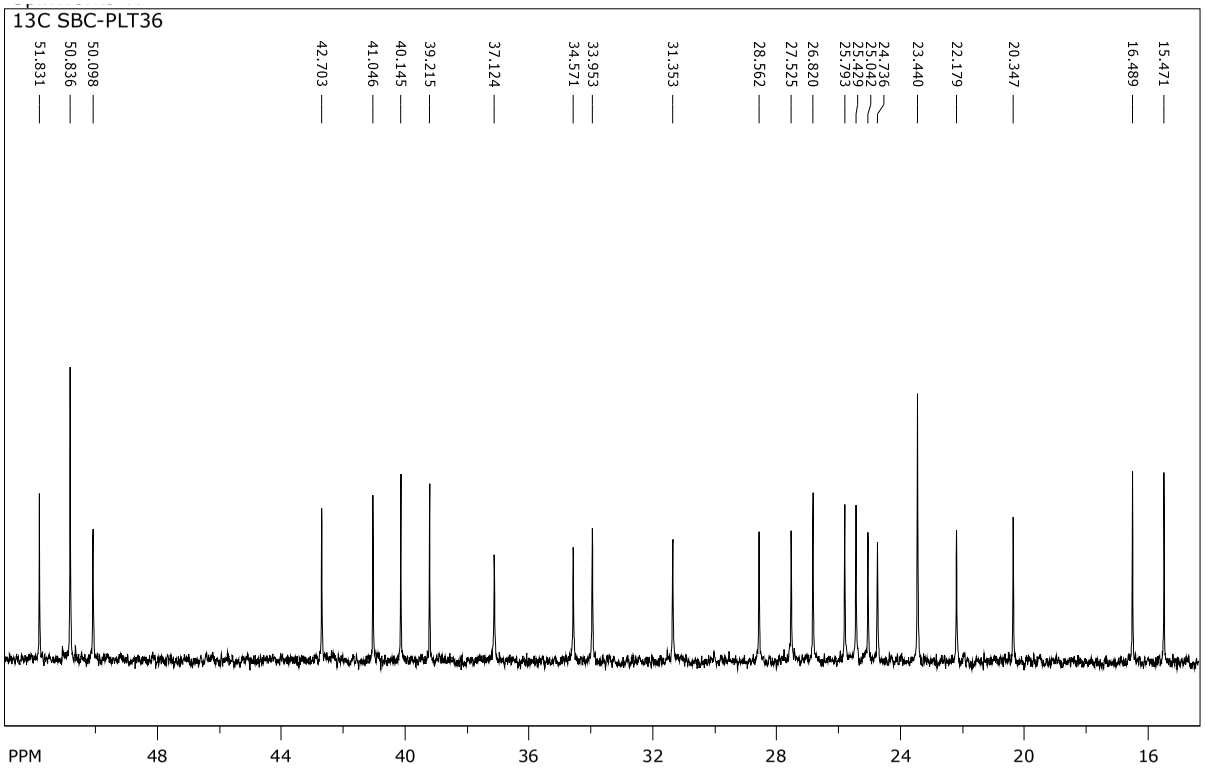
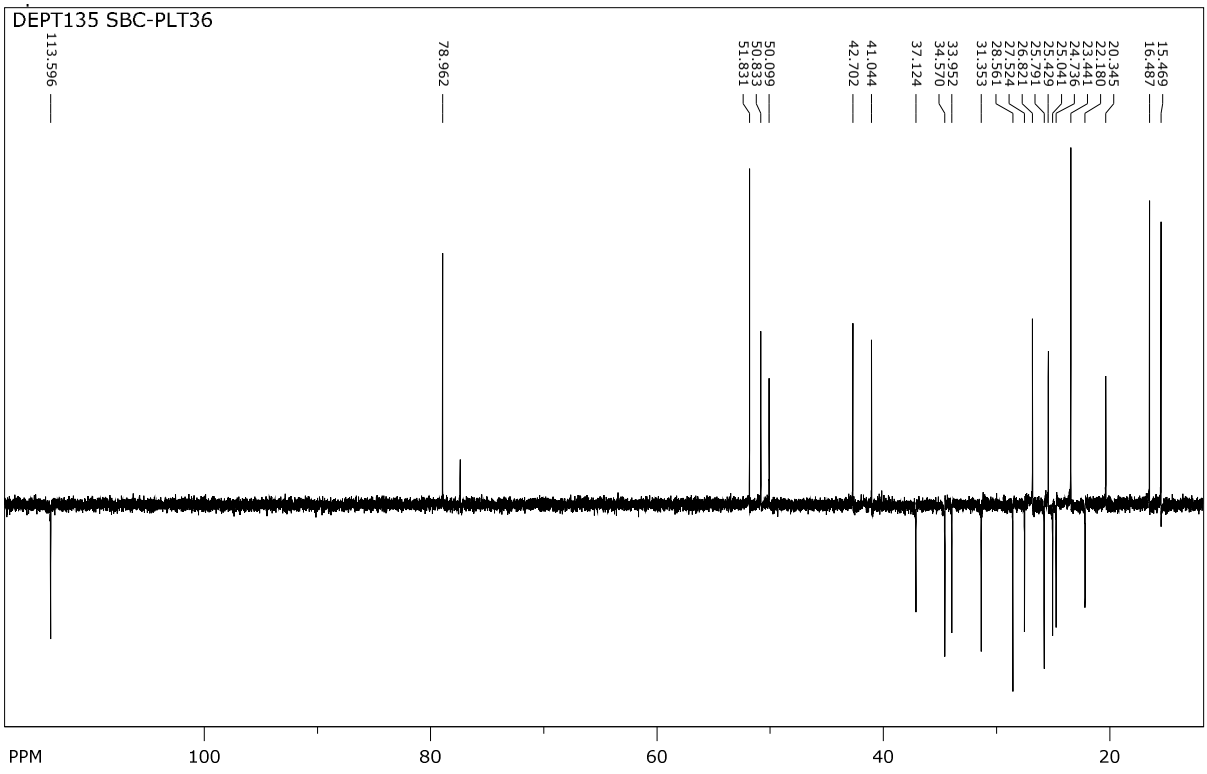


Figure S32. ^{13}C DEPT 135 spectrum of compound **7** ($CDCl_3$, 100 MHz).



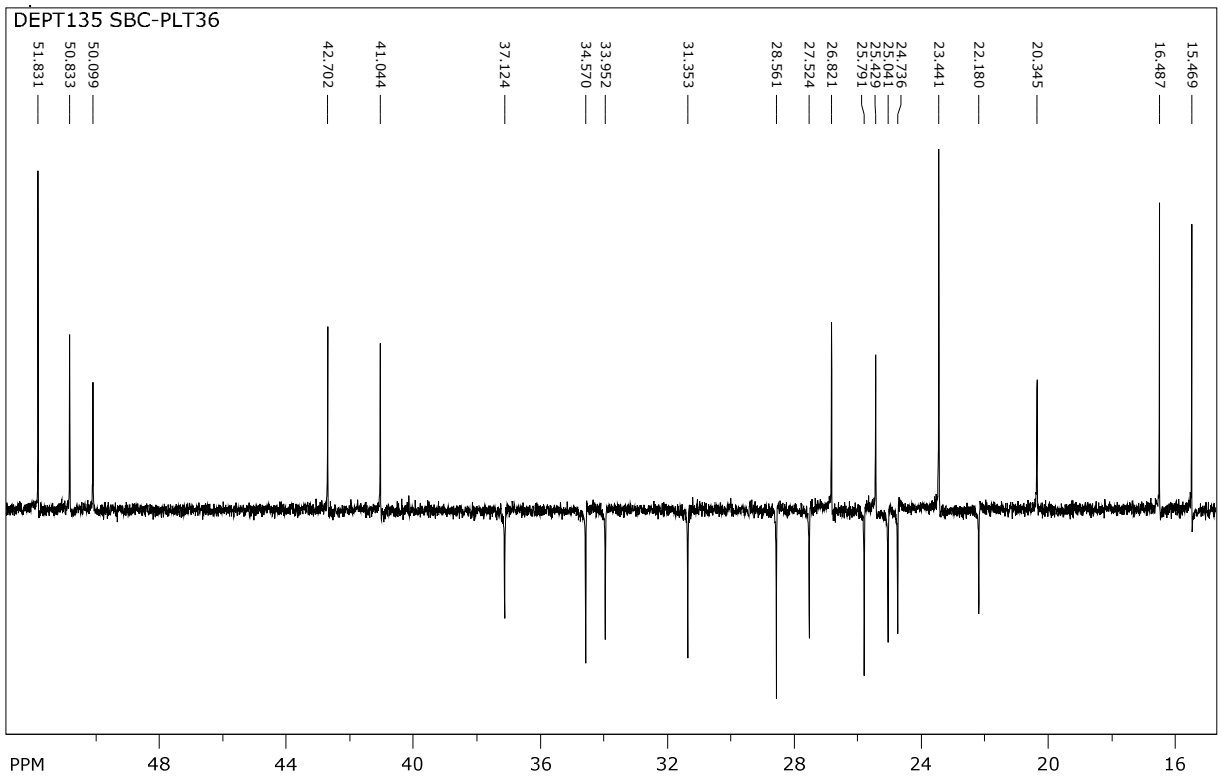
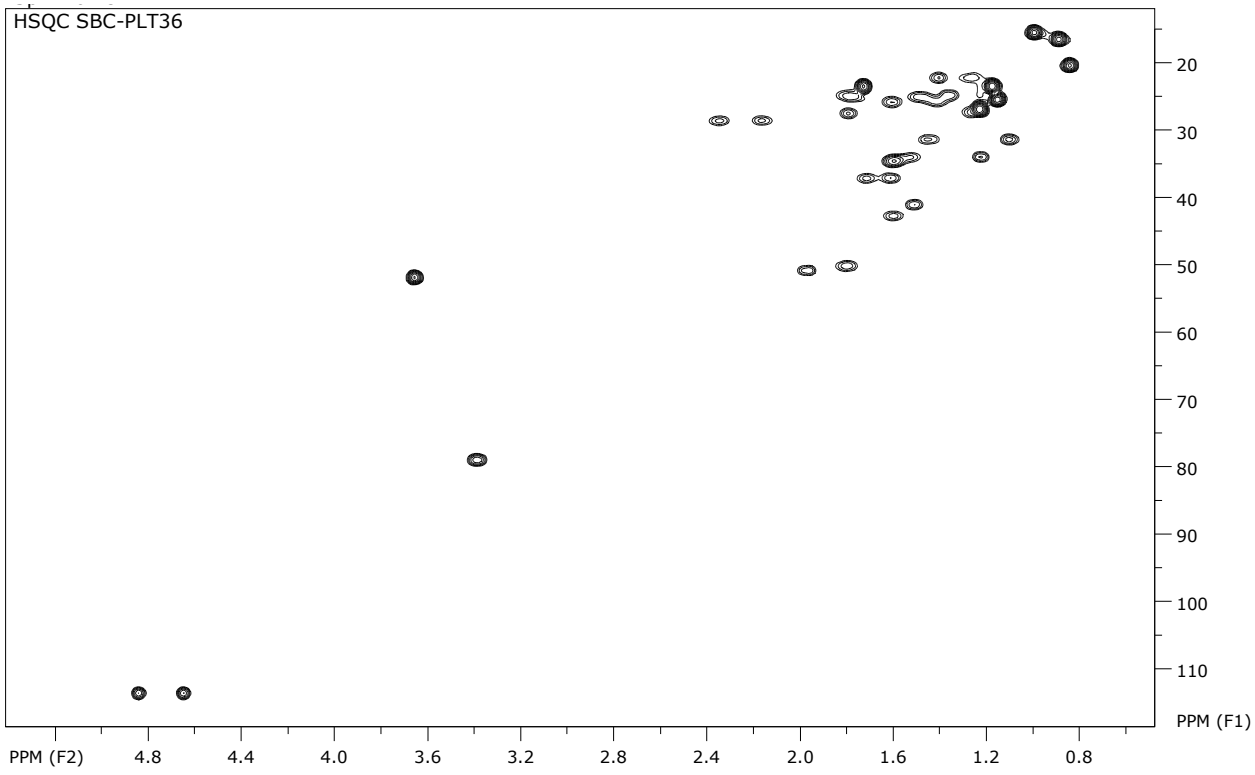


Figure S33. HSQC spectrum compound **7** ($CDCl_3$, 400 MHz).



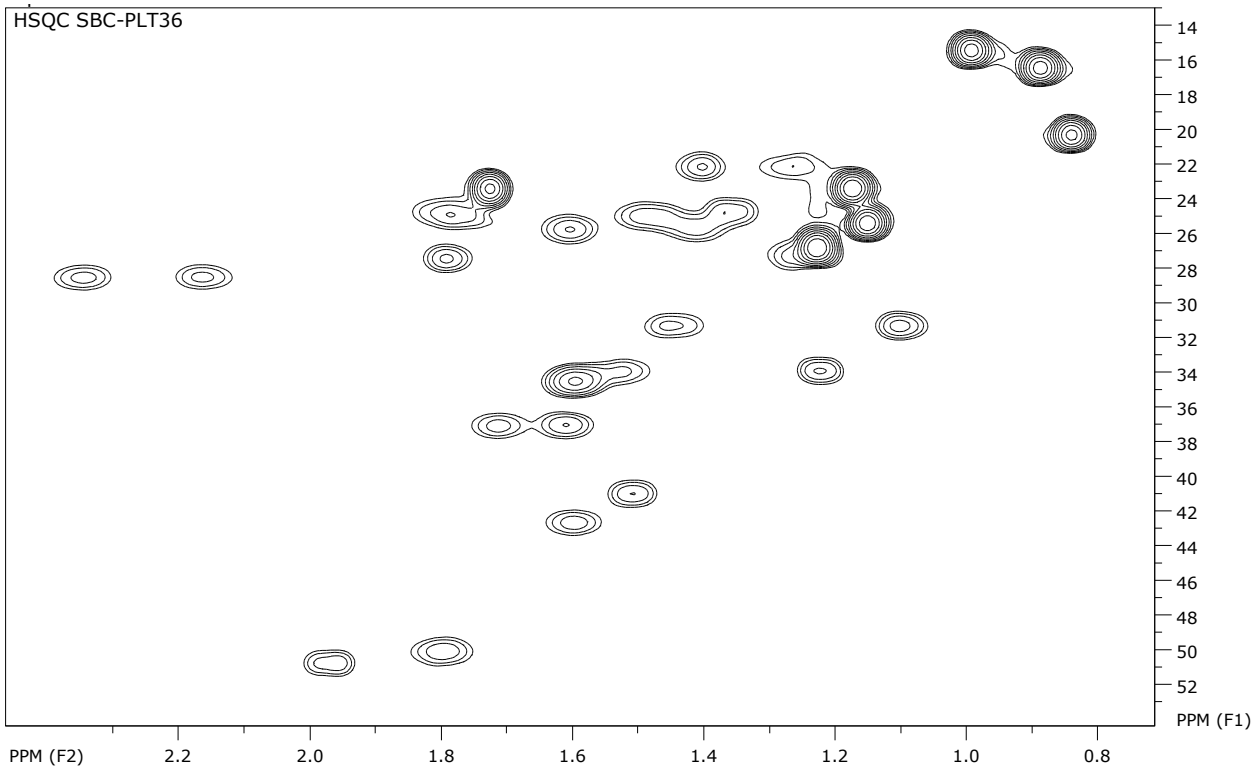
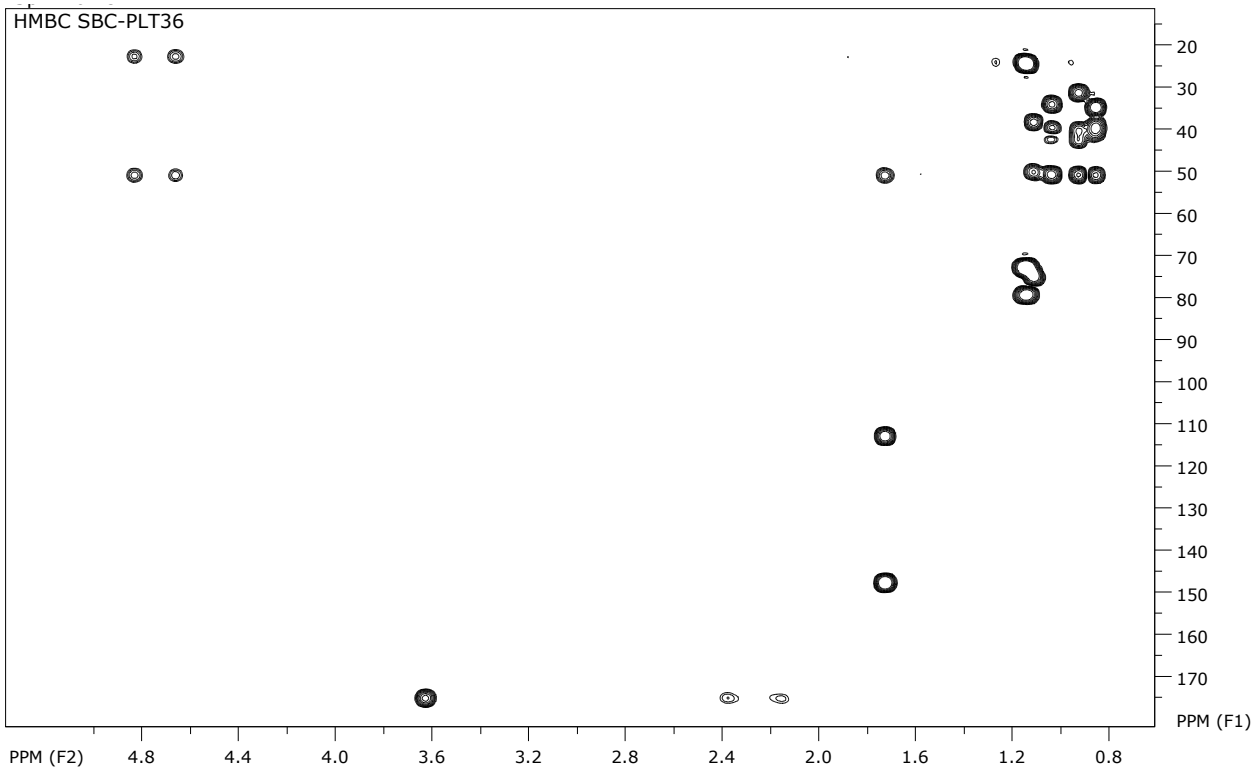


Figure S34. HMBC spectrum of compound **7** ($CDCl_3$, 400 MHz).



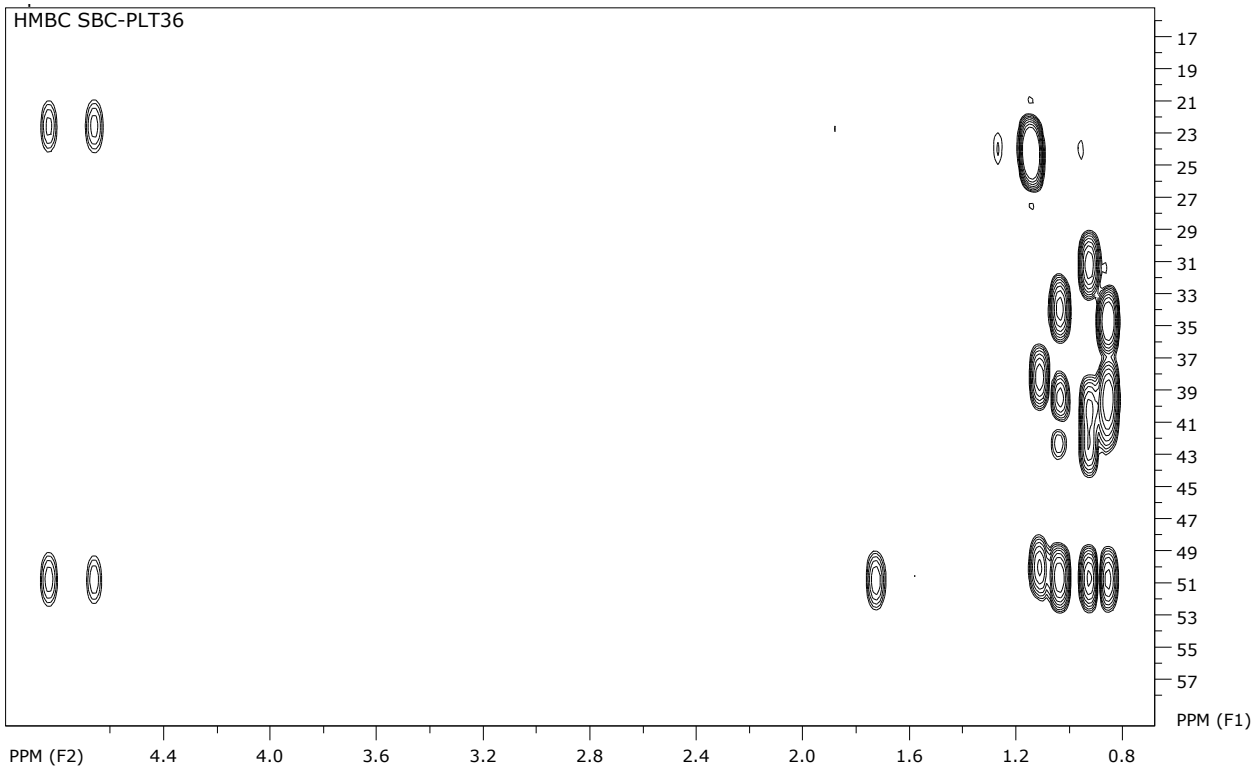
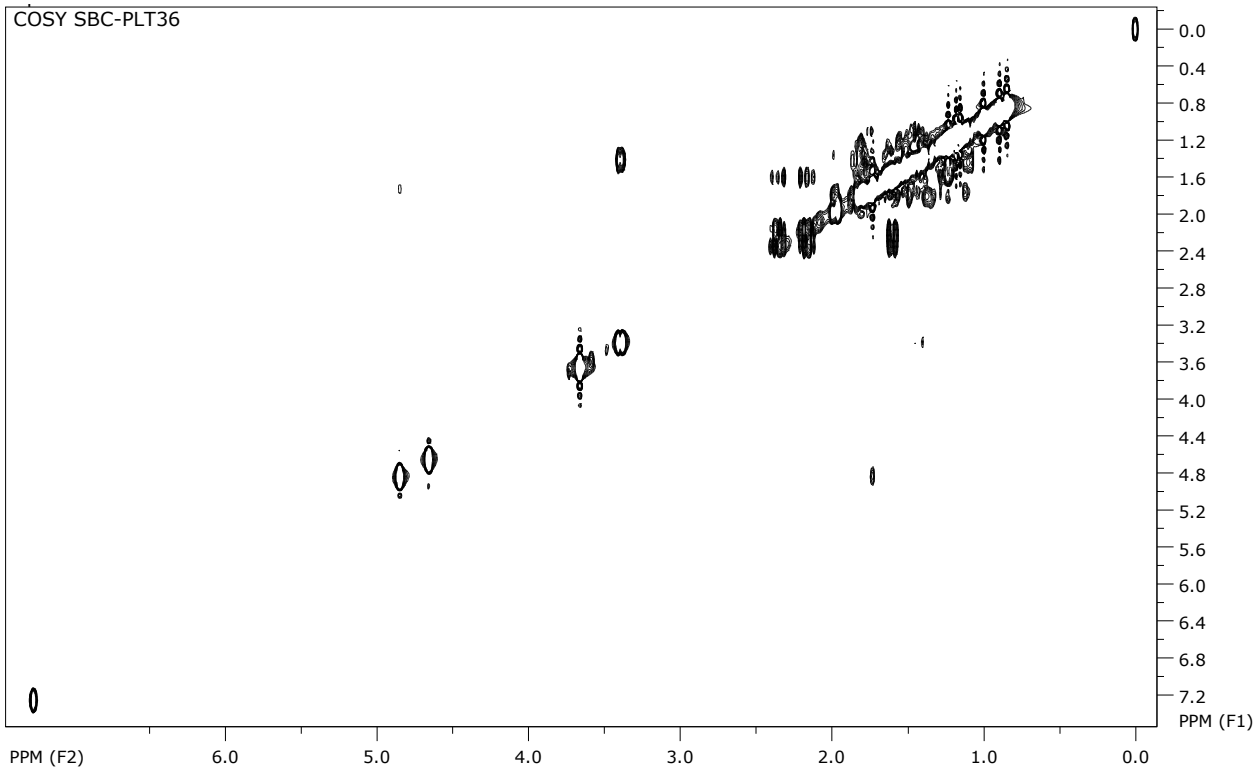


Figure S35. COSY spectrum compound **7** ($CDCl_3$, 400 MHz).



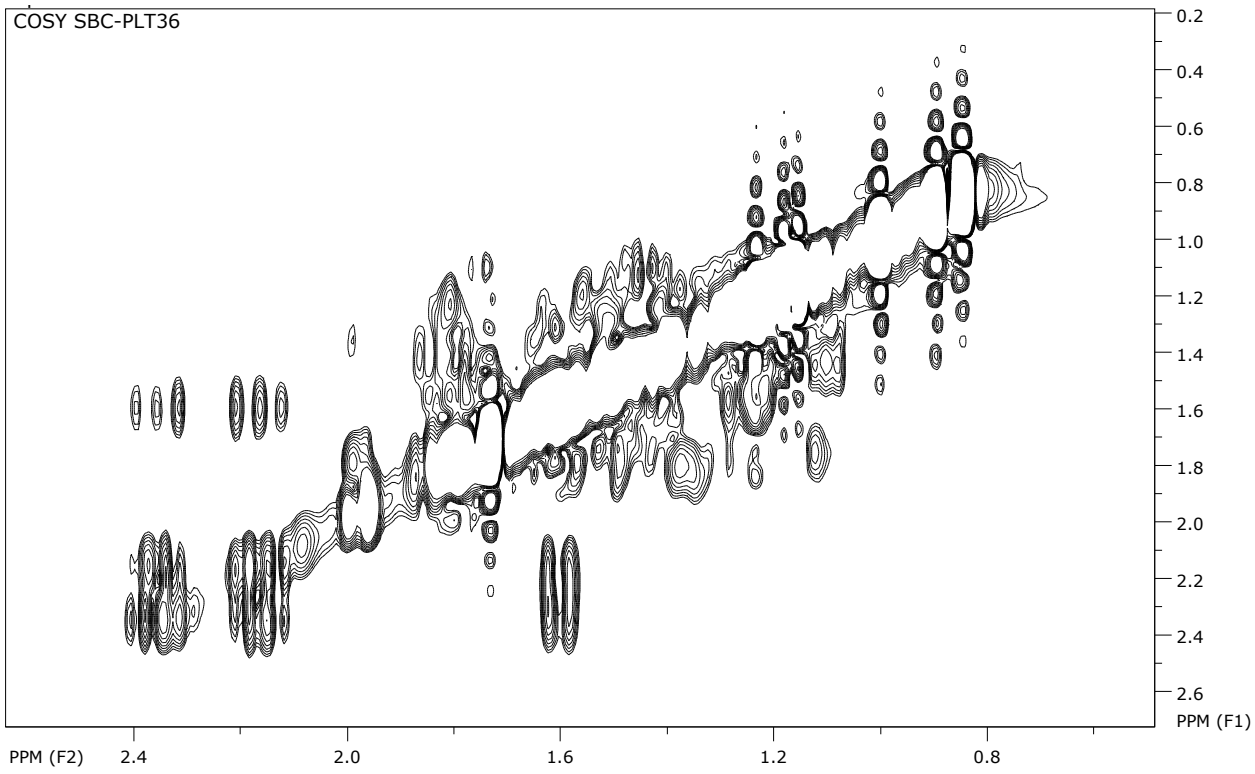
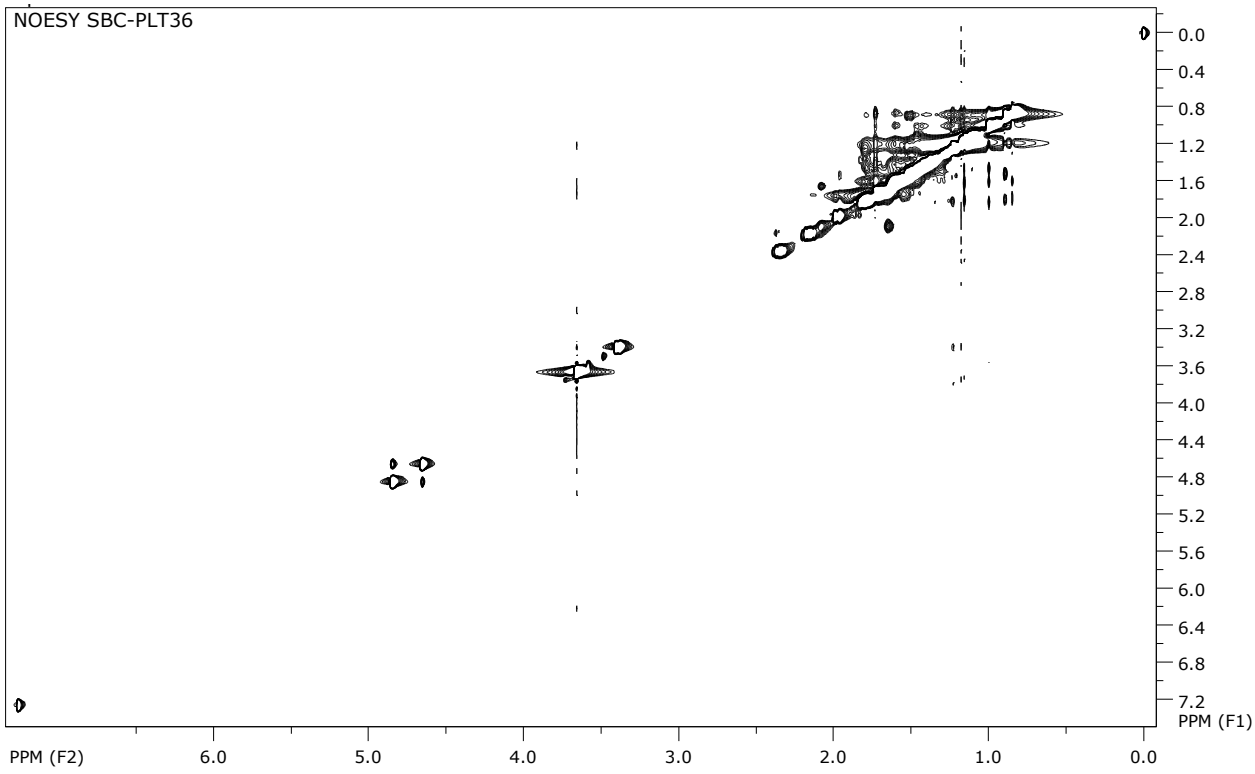


Figure S36. NOESY spectrum compound **7** ($CDCl_3$, 400 MHz).



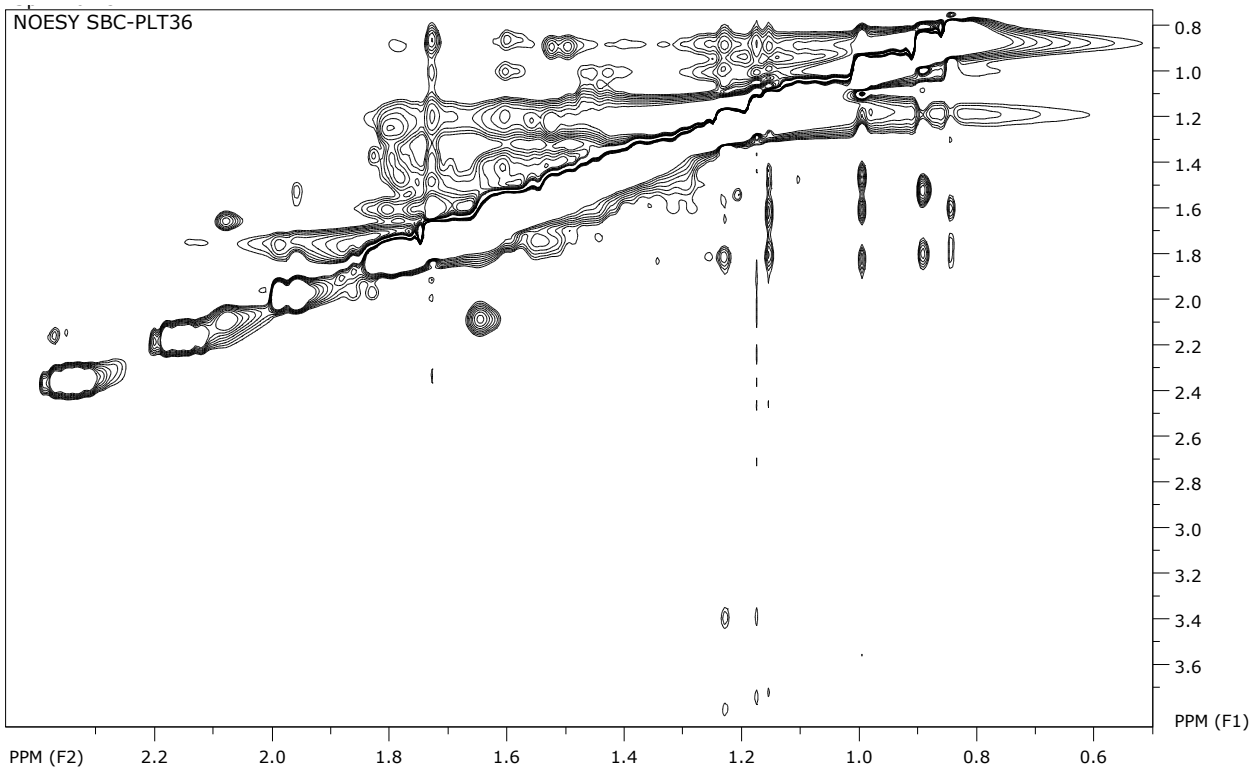
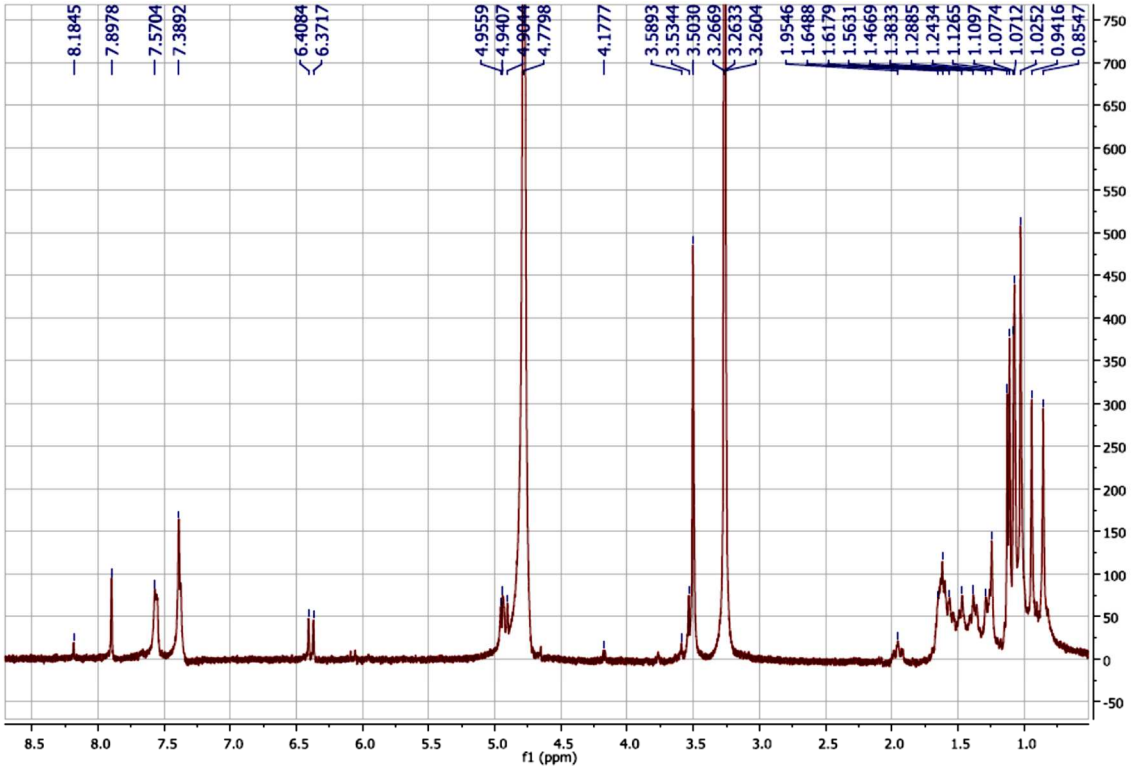


Figure S37. ^{1}H NMR spectrum of (*S*)-MTPA ester of compound **3** (MeOD, 400 MHz).



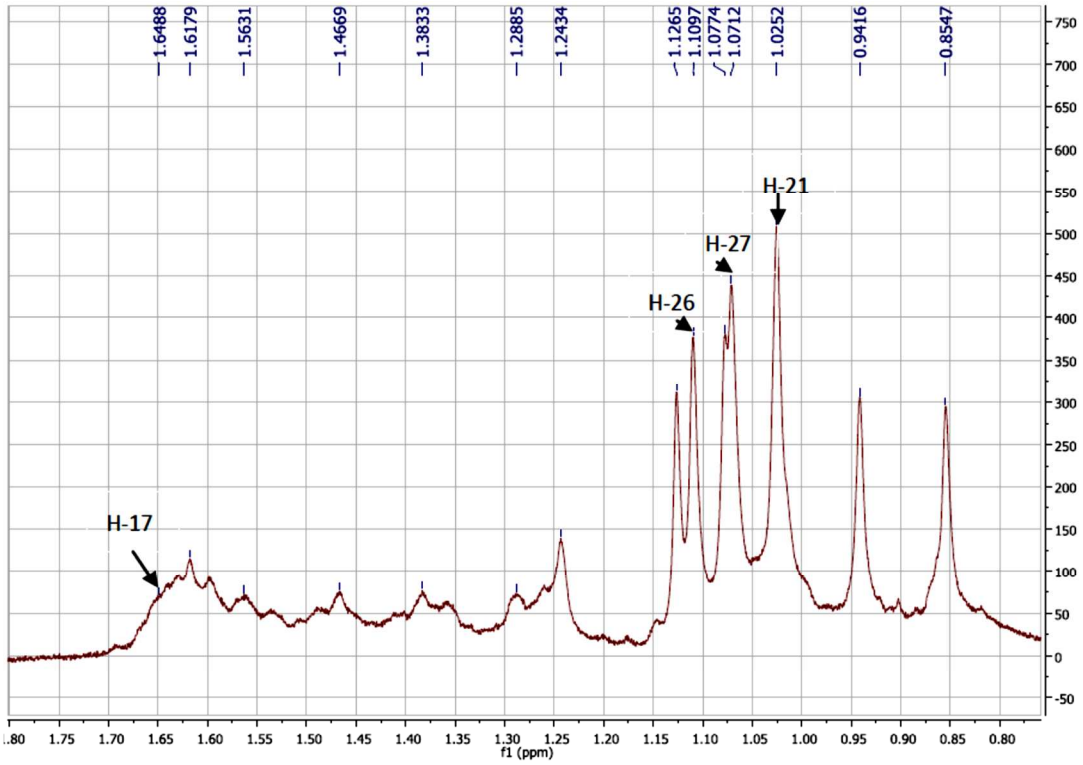
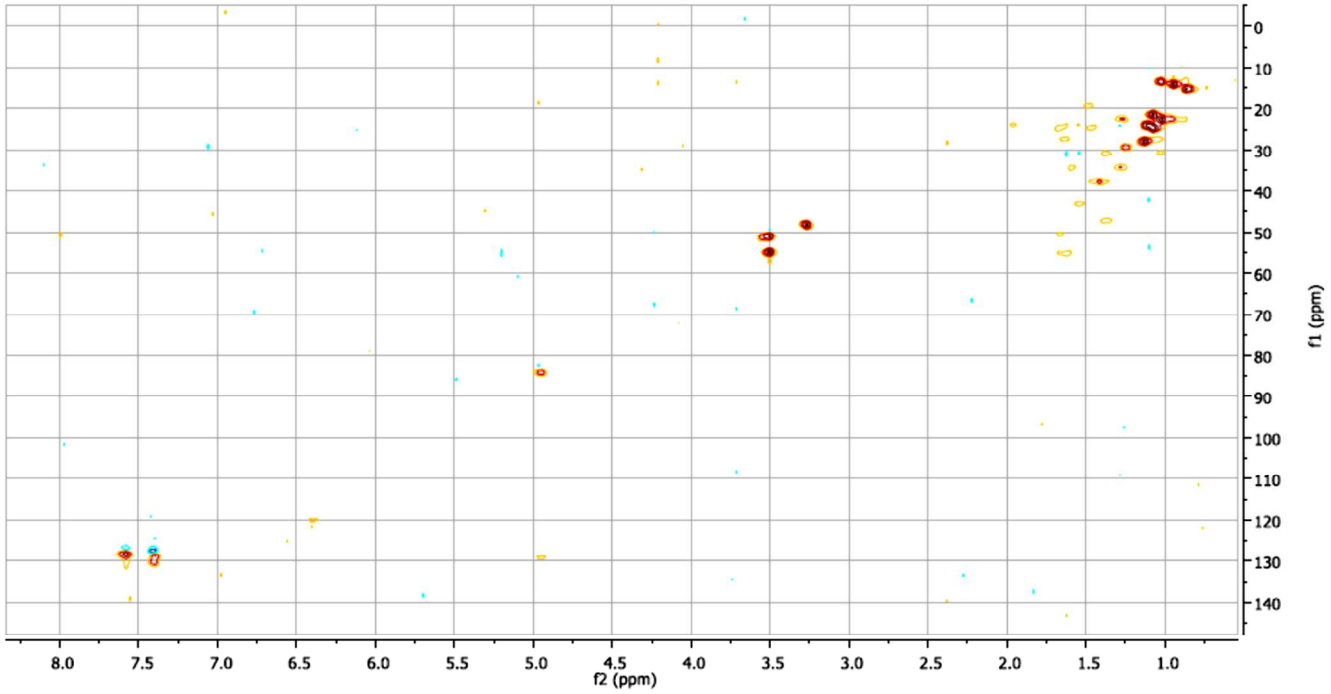


Figure S38. HSQC spectrum of (*S*)-MTPA ester of compound **3** (MeOD, 400 MHz).



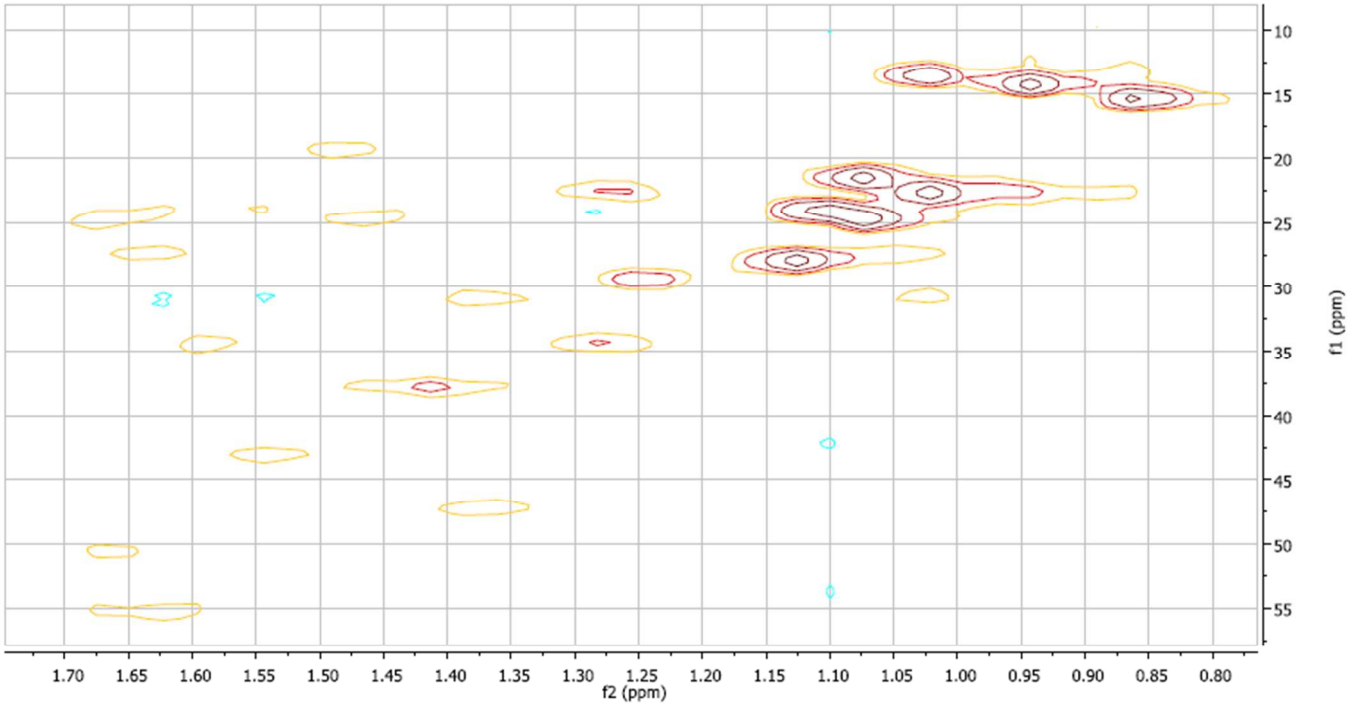
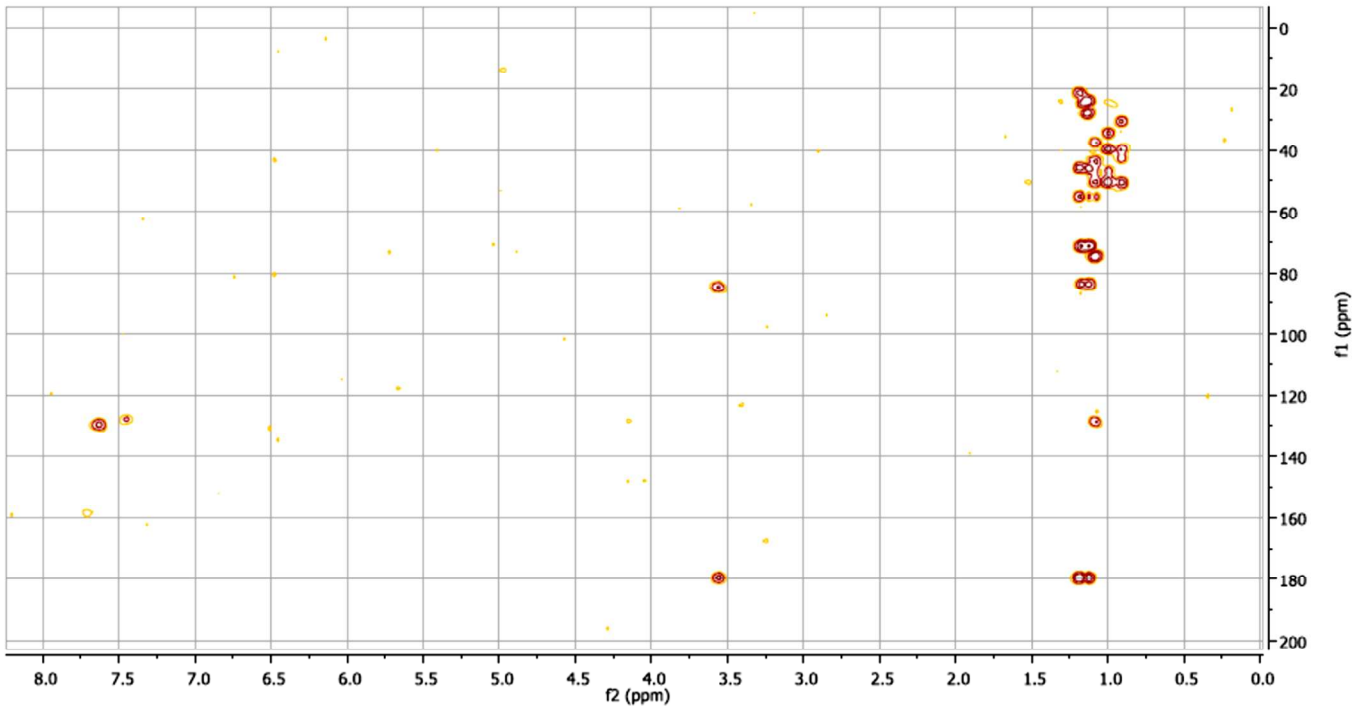


Figure S39. HMBC spectrum of (*S*)-MTPA ester of compound **3** (MeOD, 400 MHz).



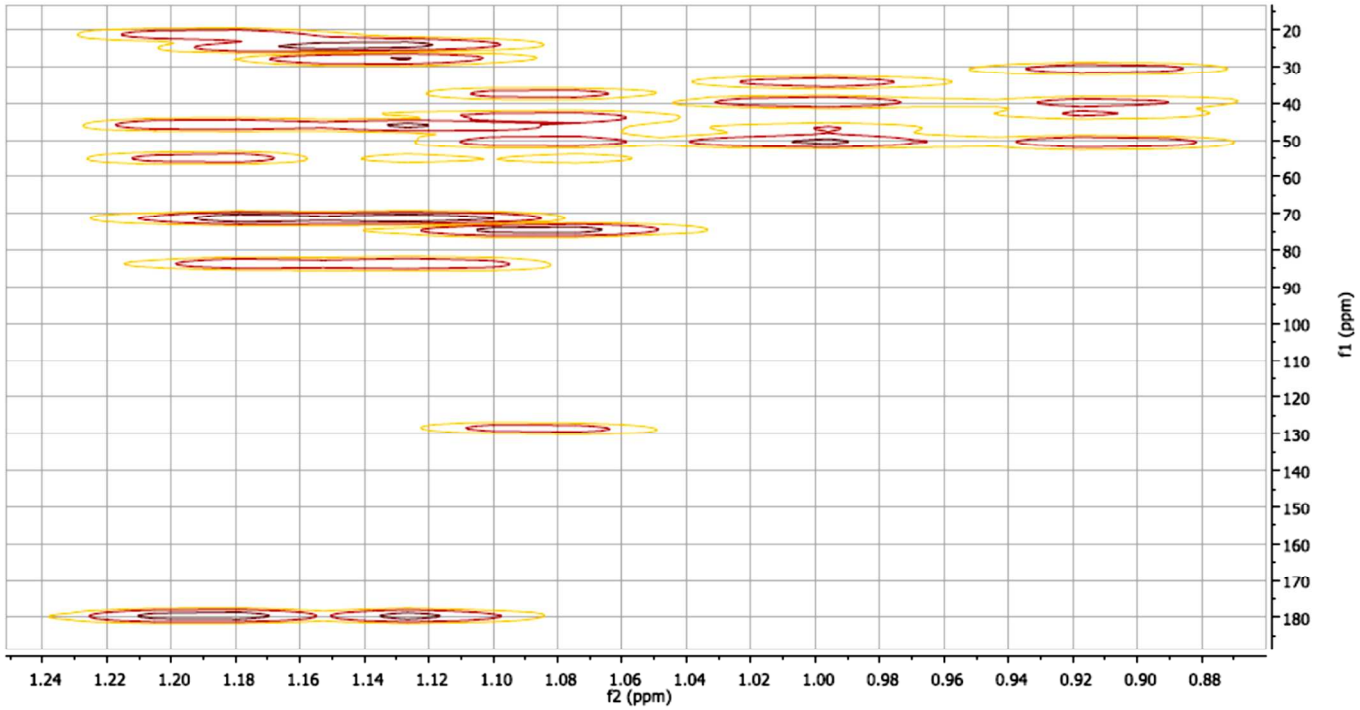
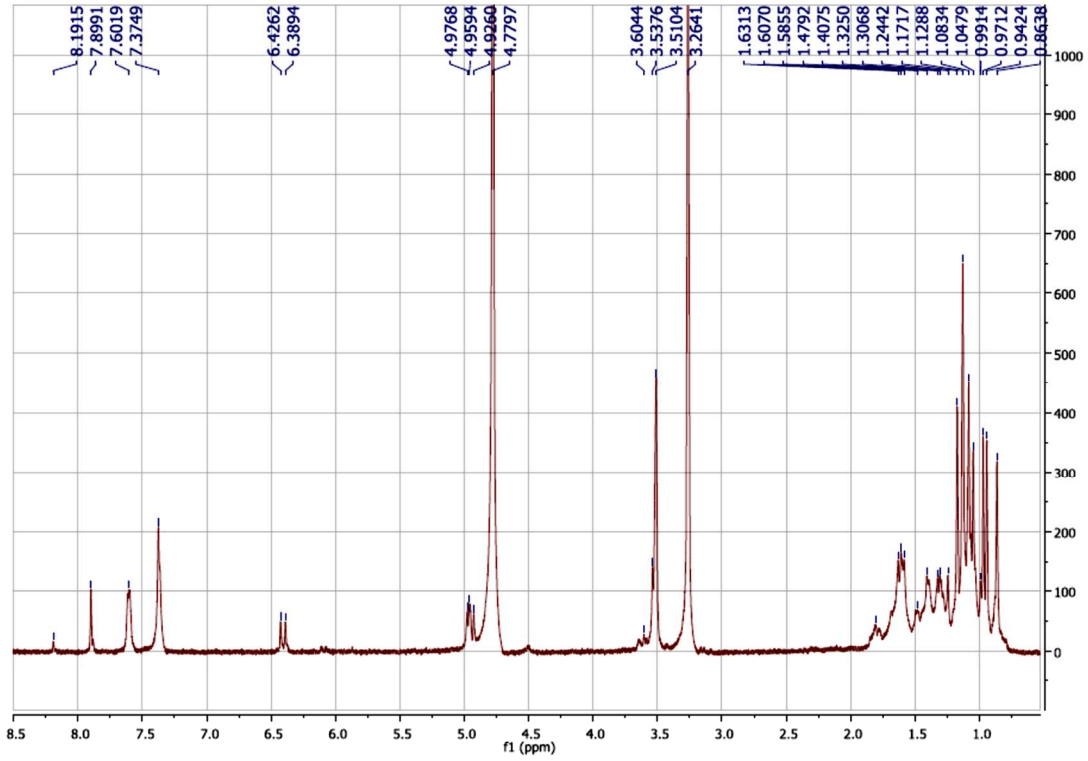


Figure S40. ^{1}H NMR spectrum of (*R*)-MTPA ester of compound **3** (MeOD, 400 MHz).



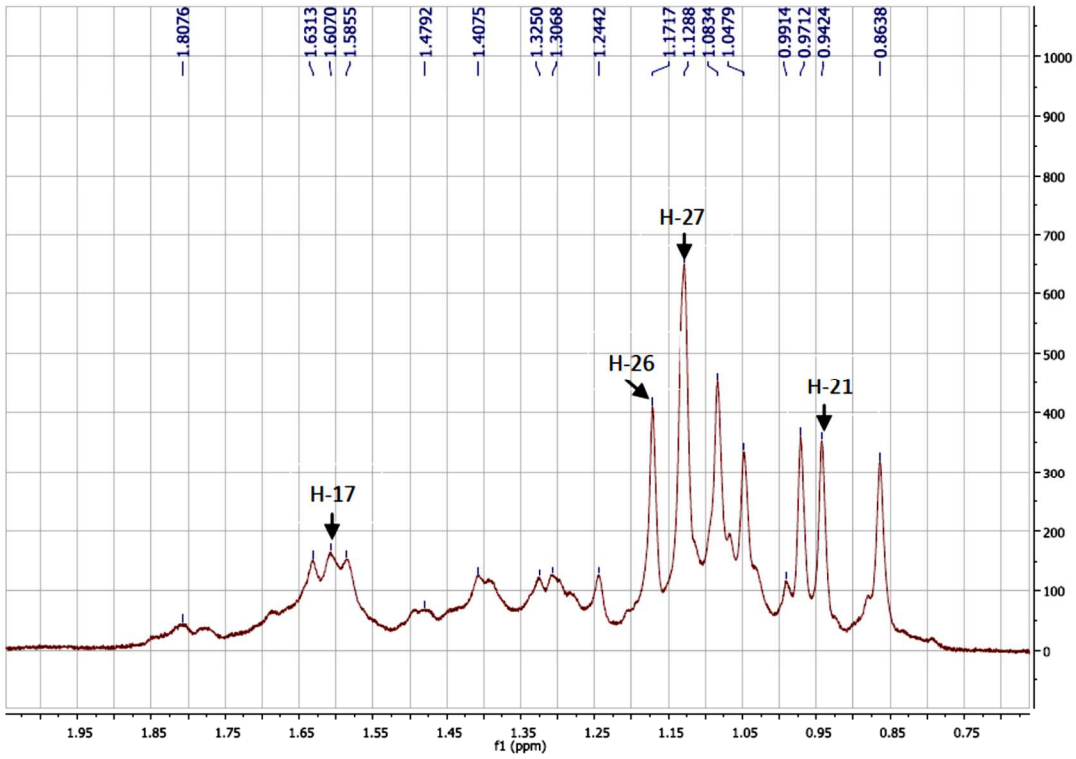
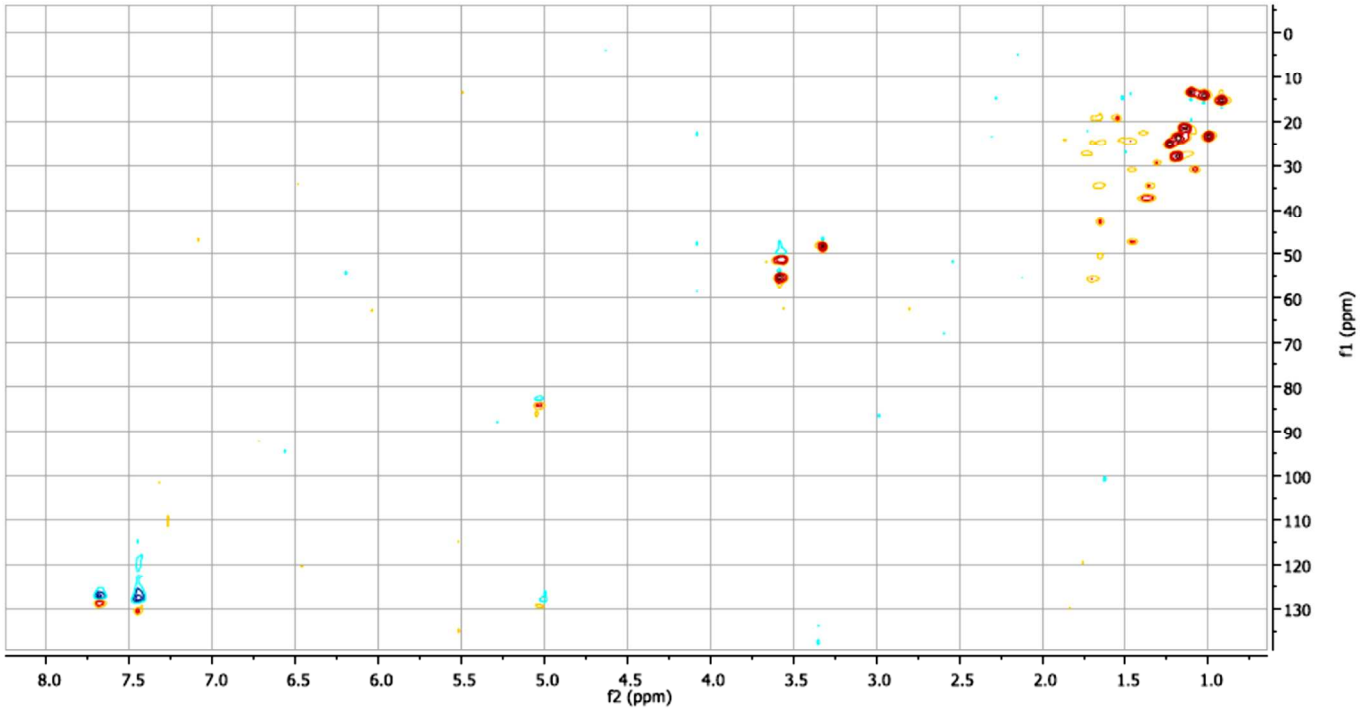


Figure S41. HSQC spectrum of (*R*)-MTPA ester of compound **3** (MeOD, 400 MHz).



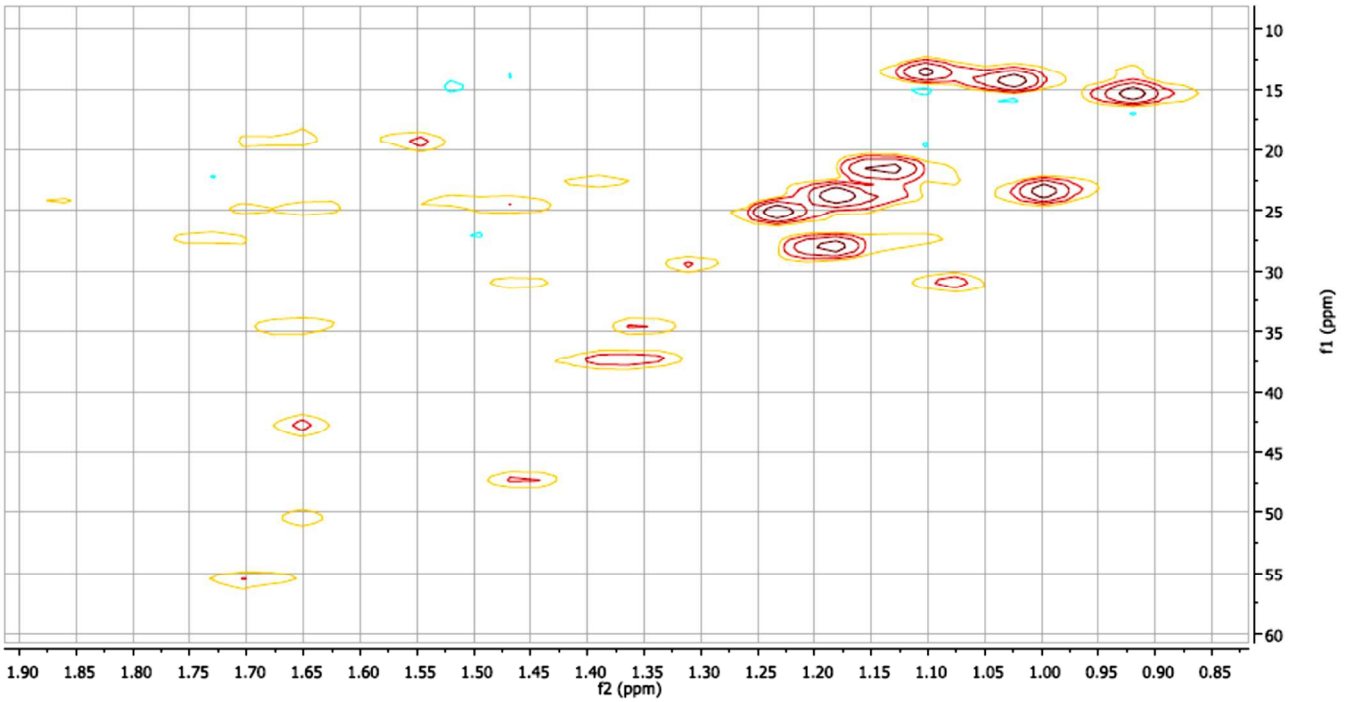
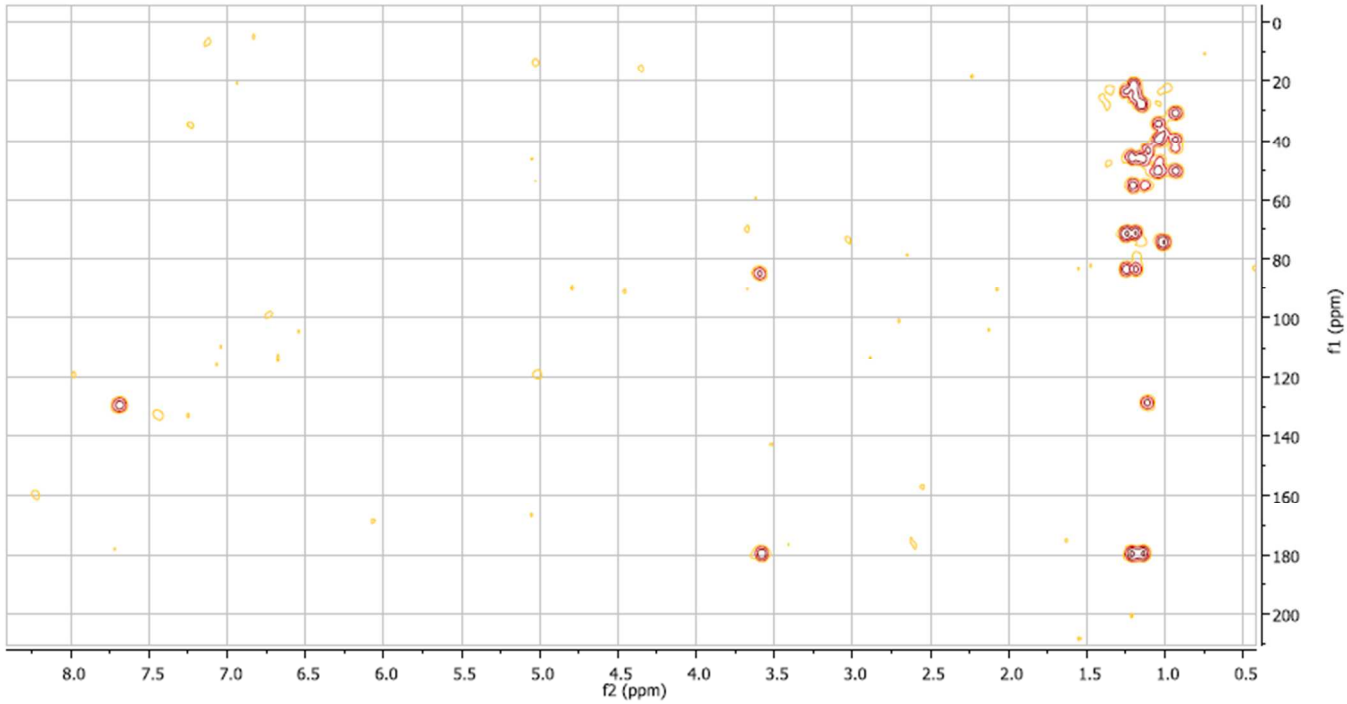
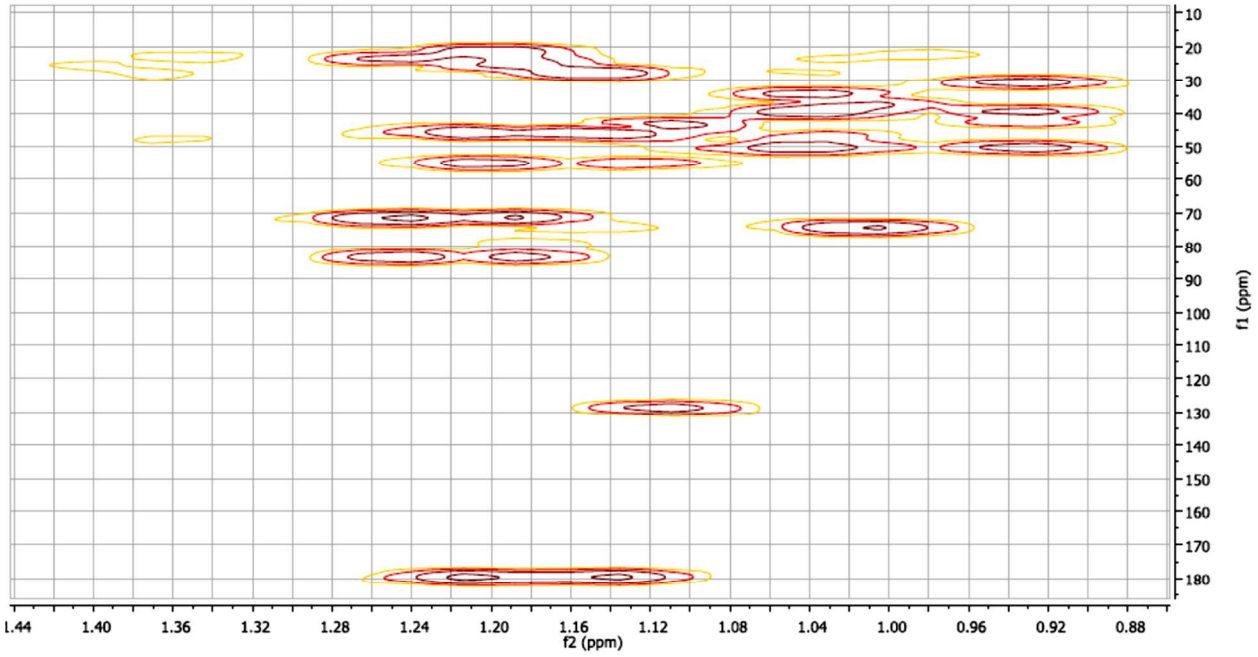


Figure S42. HMBC spectrum of (*R*)-MTPA ester of compound **3** (MeOD, 400 MHz).




10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
f1 (ppm)
1.44
1.40
1.36
1.32
1.28
1.24
1.20
1.16
1.12
1.08
1.04
1.00
0.96
0.92
0.88
f2 (ppm)