

Supplementary Information

Oxysterols from an octocoral of the genus *Gorgonia* from the eastern Pacific of Panama

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^cSmithsonian Tropical Research Institute, STRI, BOX 0843-3092, Balboa, Panamá

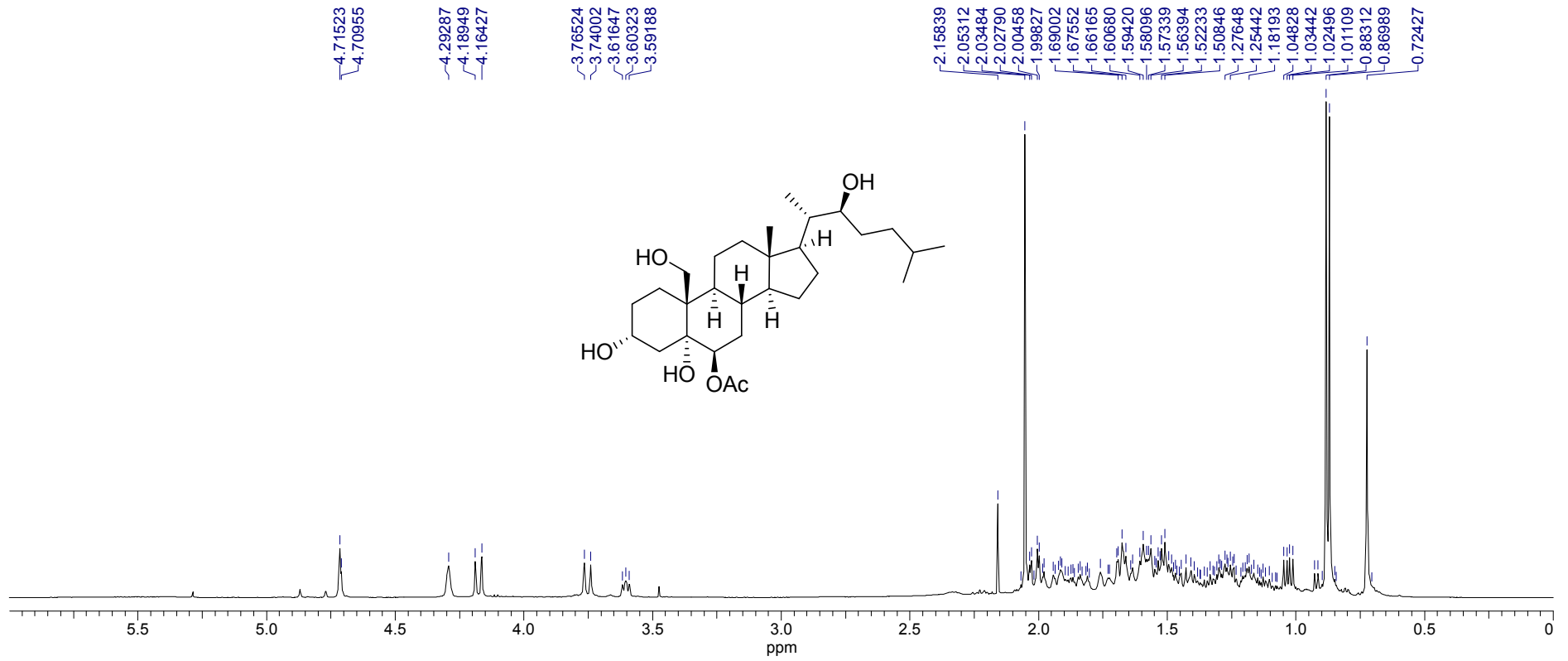
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^eInstituto de Investigación Hospital 12 de Octubre, Avda de Córdoba, s/n, 28041, Madrid, Spain.

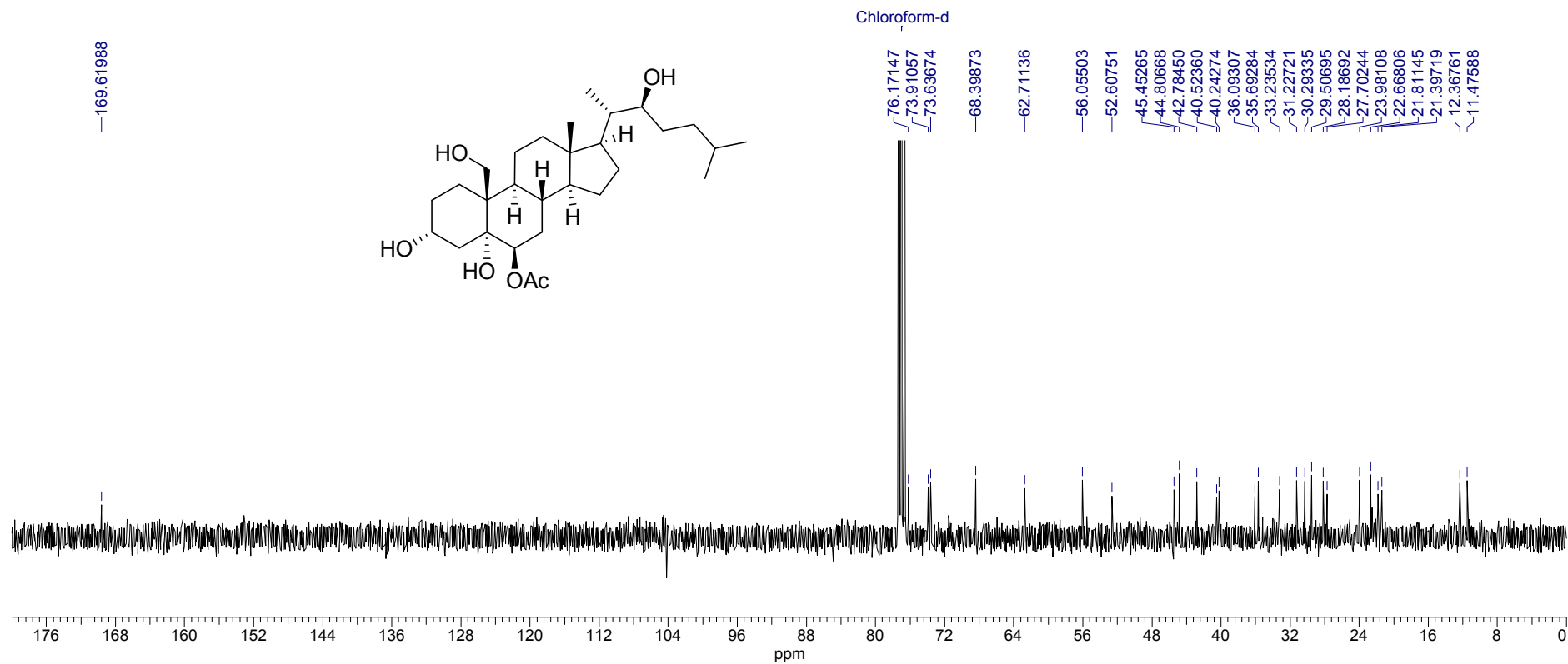
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E-mail: mcueto@ipna.csic.es

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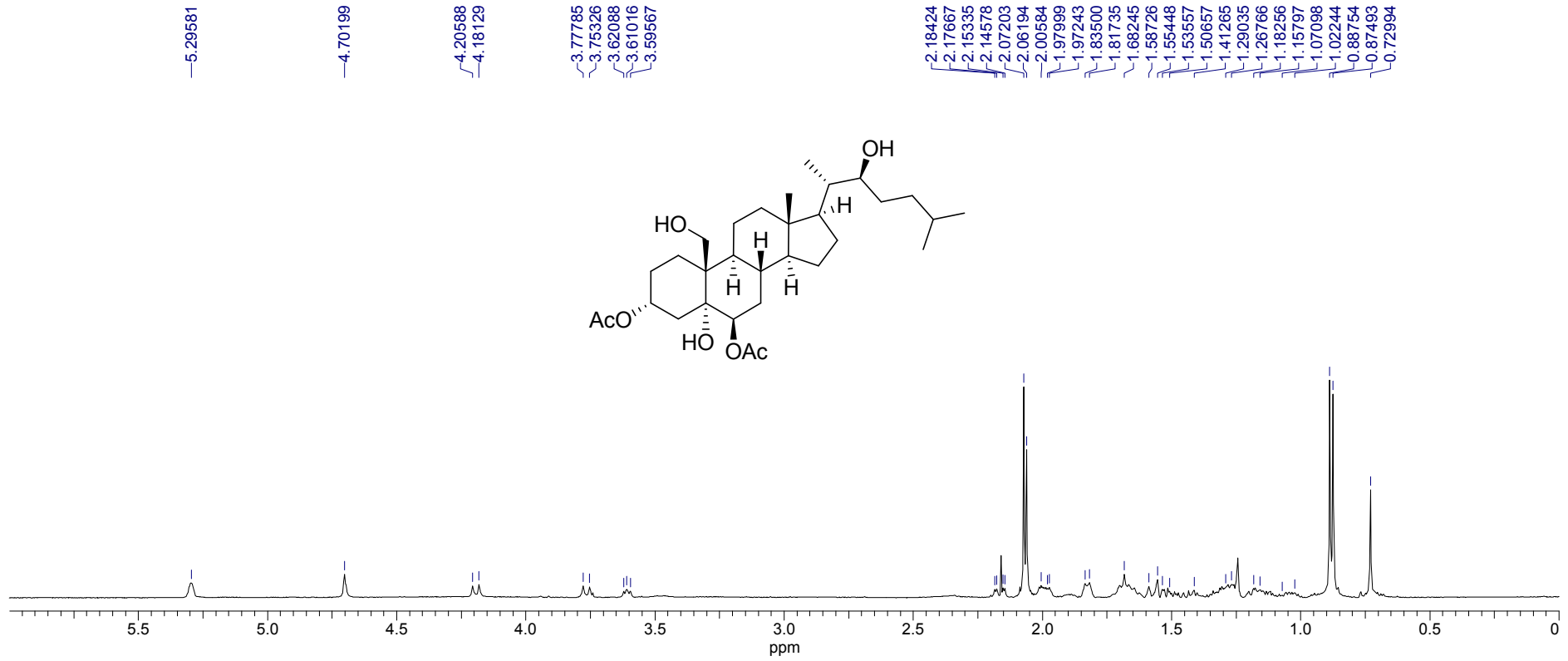
¹H NMR of **1** in CDCl₃



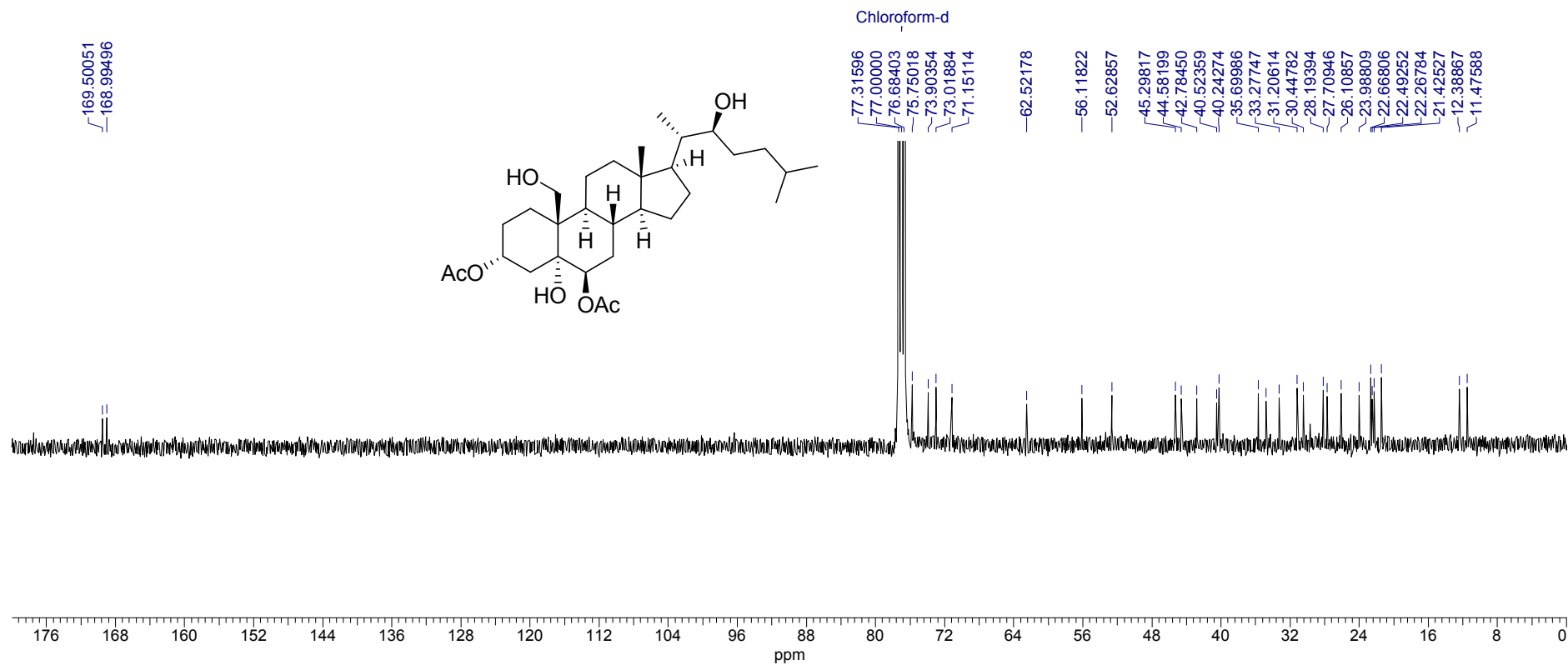
¹³C NMR spectrum of **1** in CDCl₃



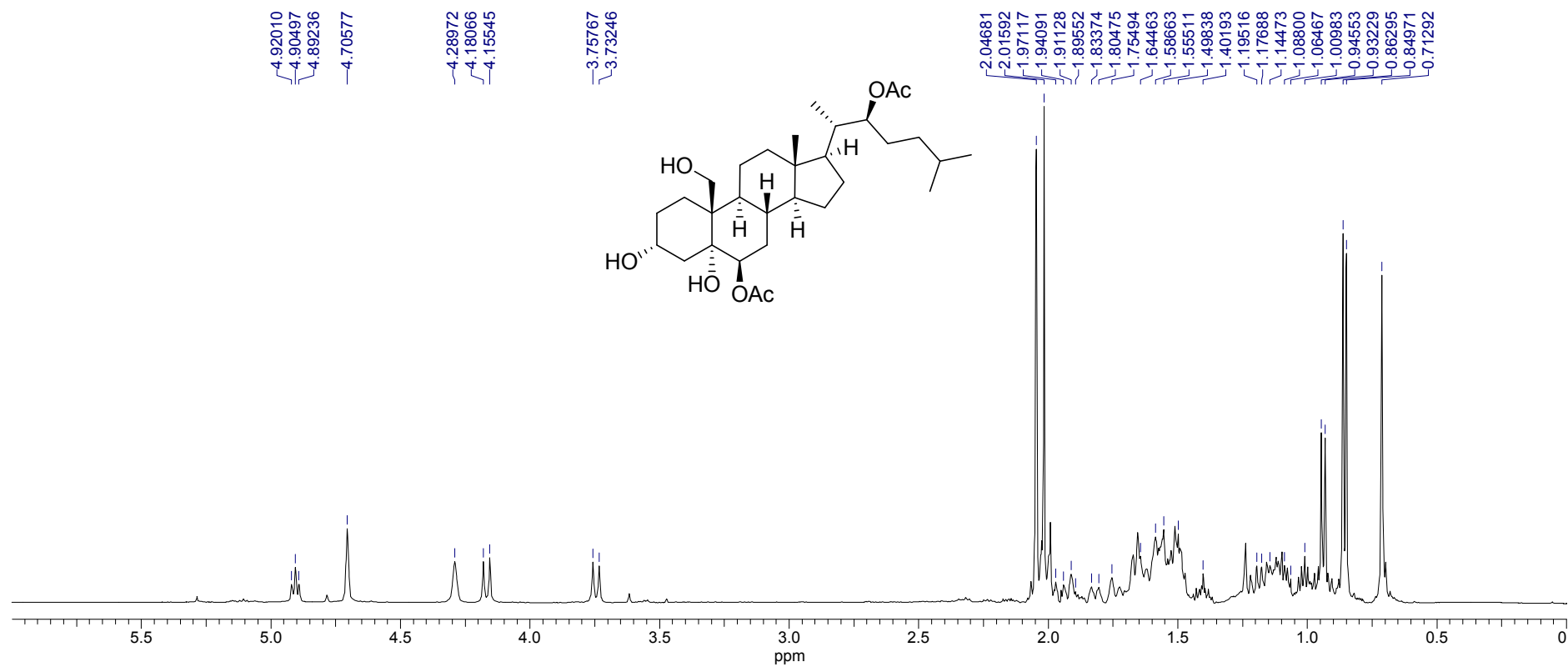
^1H NMR of **2** in CDCl_3



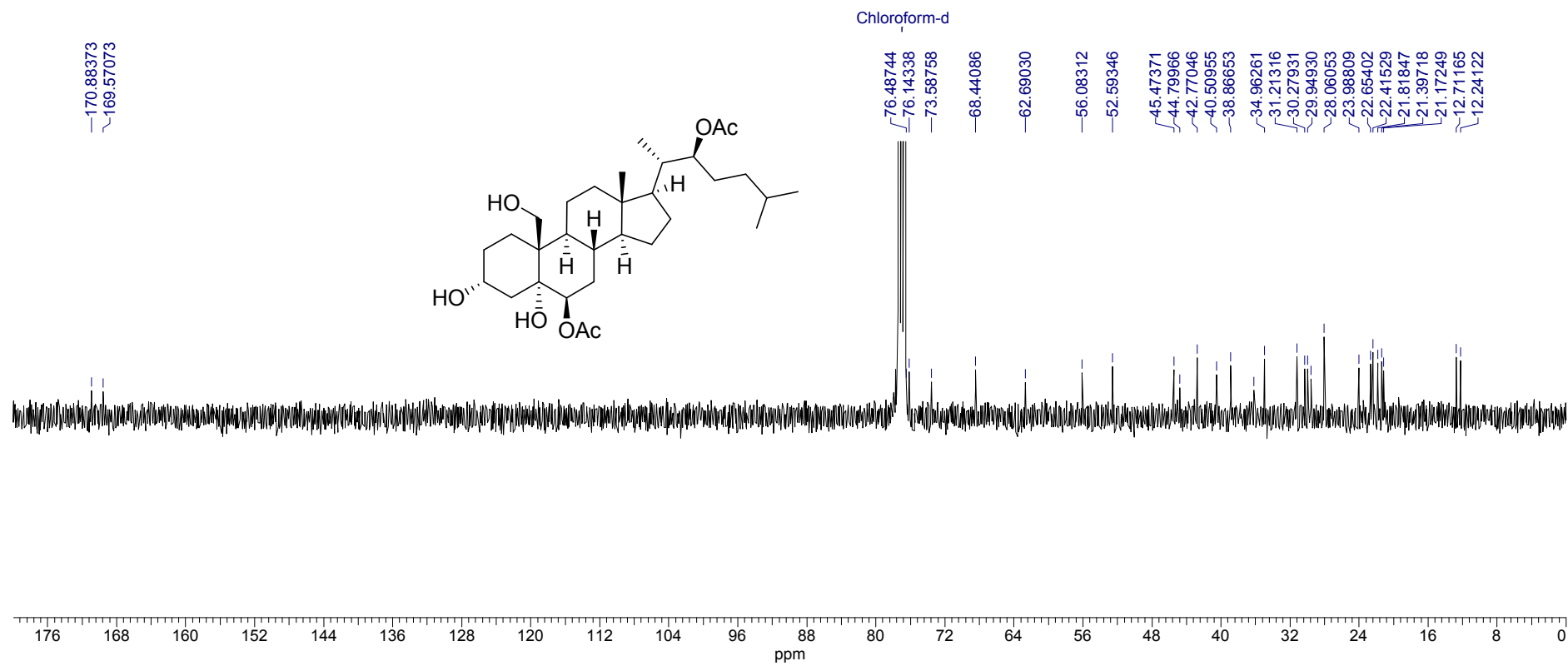
¹³C NMR spectrum of **2** in CDCl₃



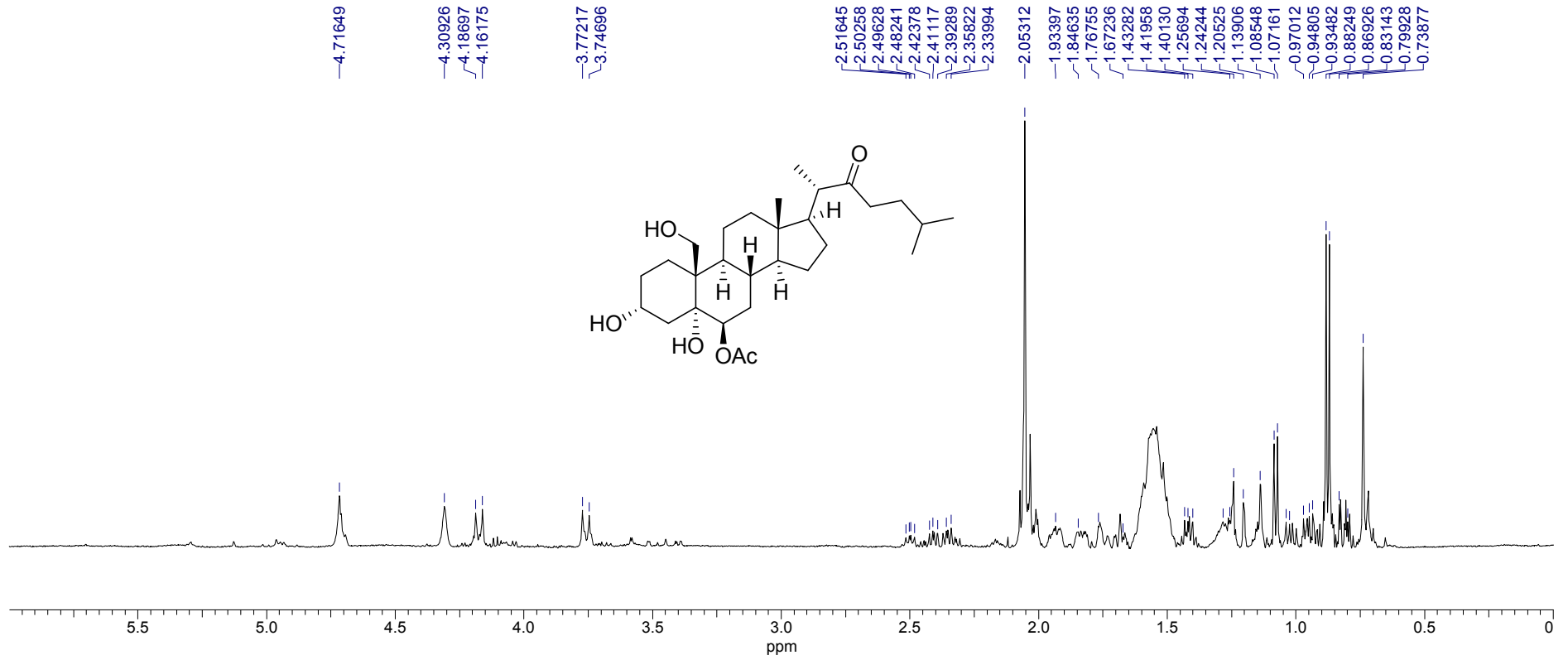
^1H NMR of **3** in CDCl_3

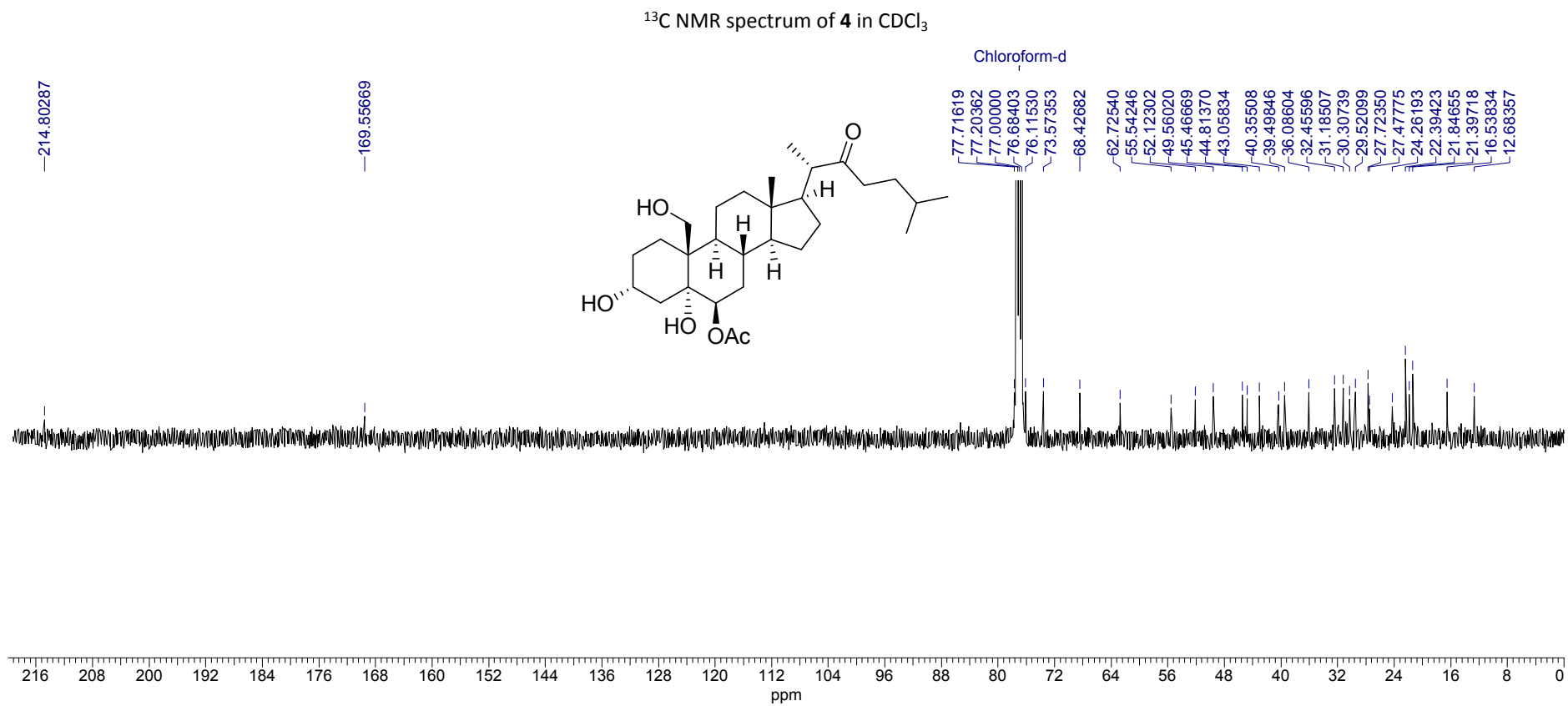


¹³C NMR spectrum of **3** in CDCl₃

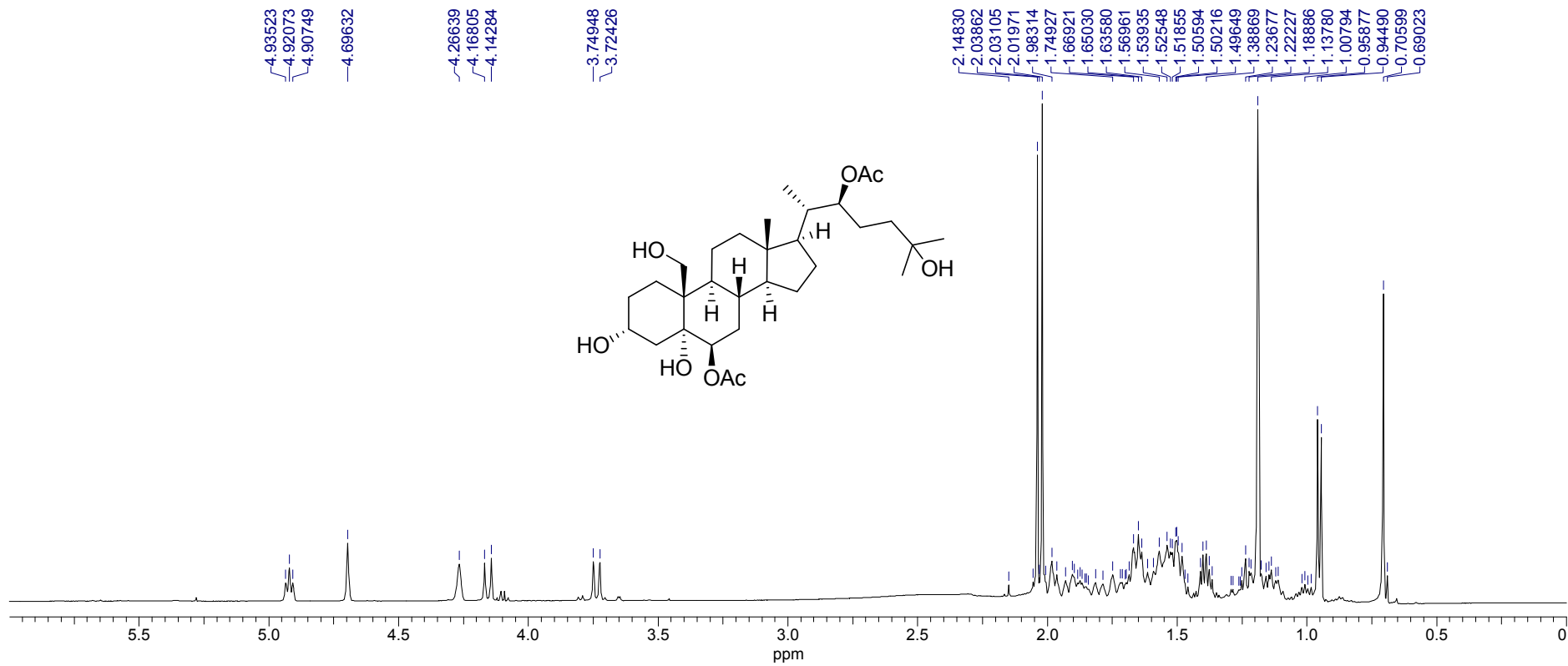


^1H NMR of **4** in CDCl_3

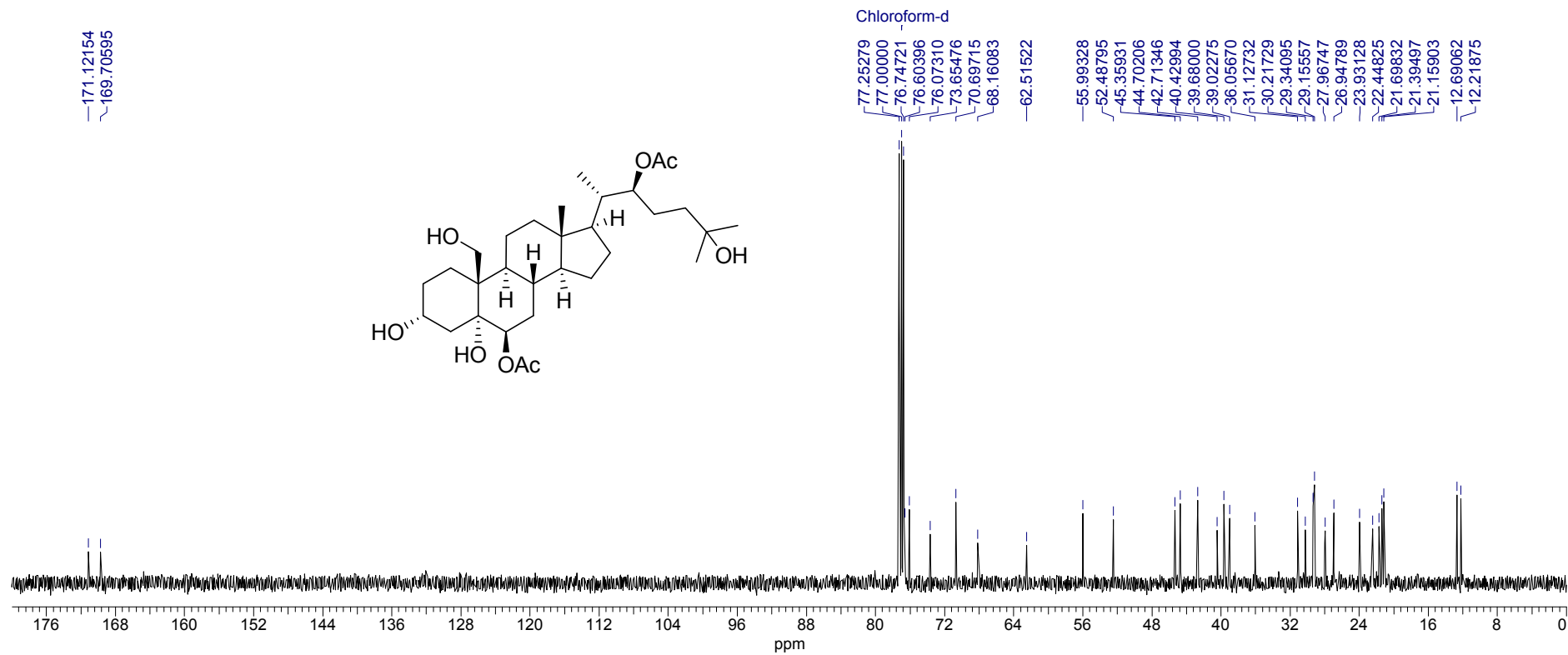




^1H NMR of **5** in CDCl_3



¹³C NMR spectrum of 5 in CDCl₃



¹H NMR of **6** in CDCl₃

5.32040

4.95855
4.94595
4.93334

4.02433
3.99974

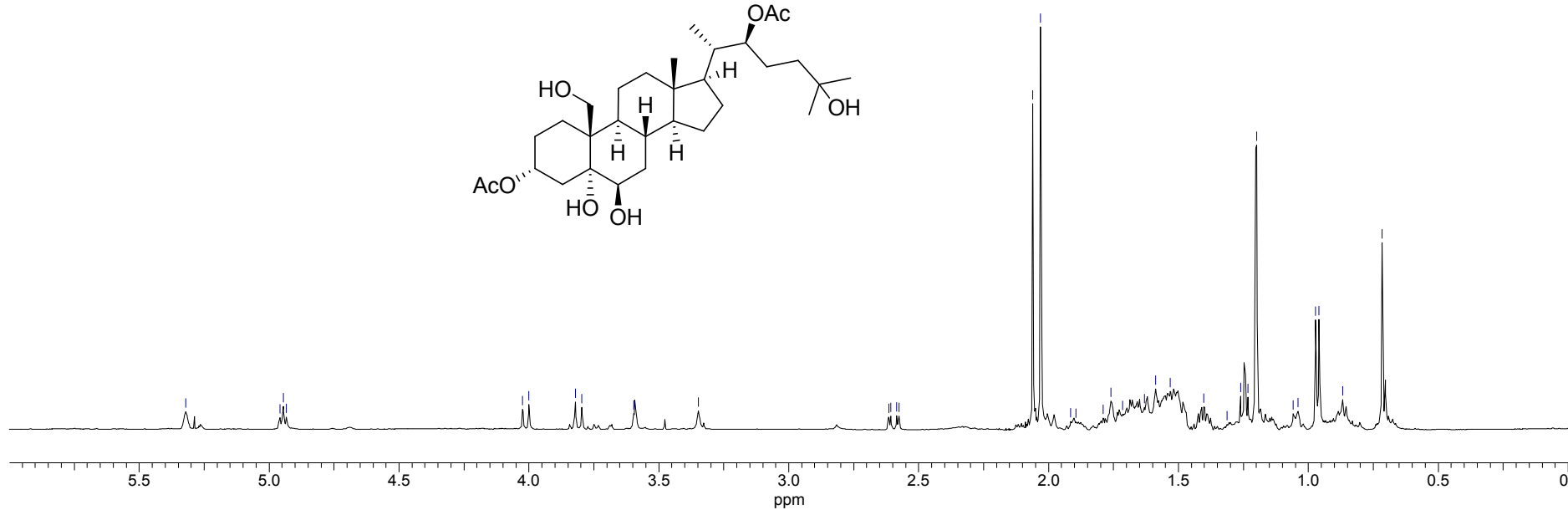
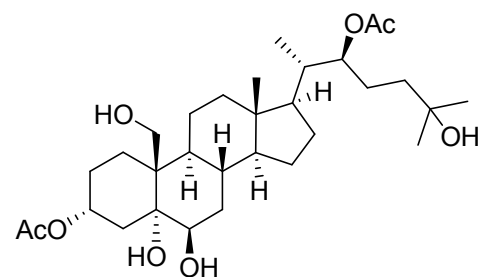
3.82134
3.79676

3.59756

3.34729

2.61542
2.60722
2.58453
2.57633

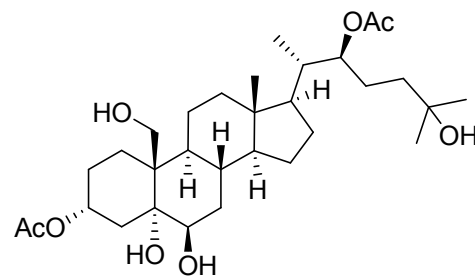
2.06131
2.03168
1.91569
1.89426
1.78899
1.76062
1.71460
1.63139
1.58852
1.53116
1.40319
1.31368
1.26135
1.23299
1.19895
1.05774
1.03946
0.97201
0.95877
0.86800
0.71607



¹³C NMR spectrum of **6** in CDCl₃

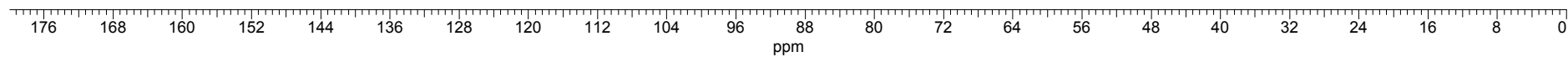
Chloroform-d

170.83458
169.36709

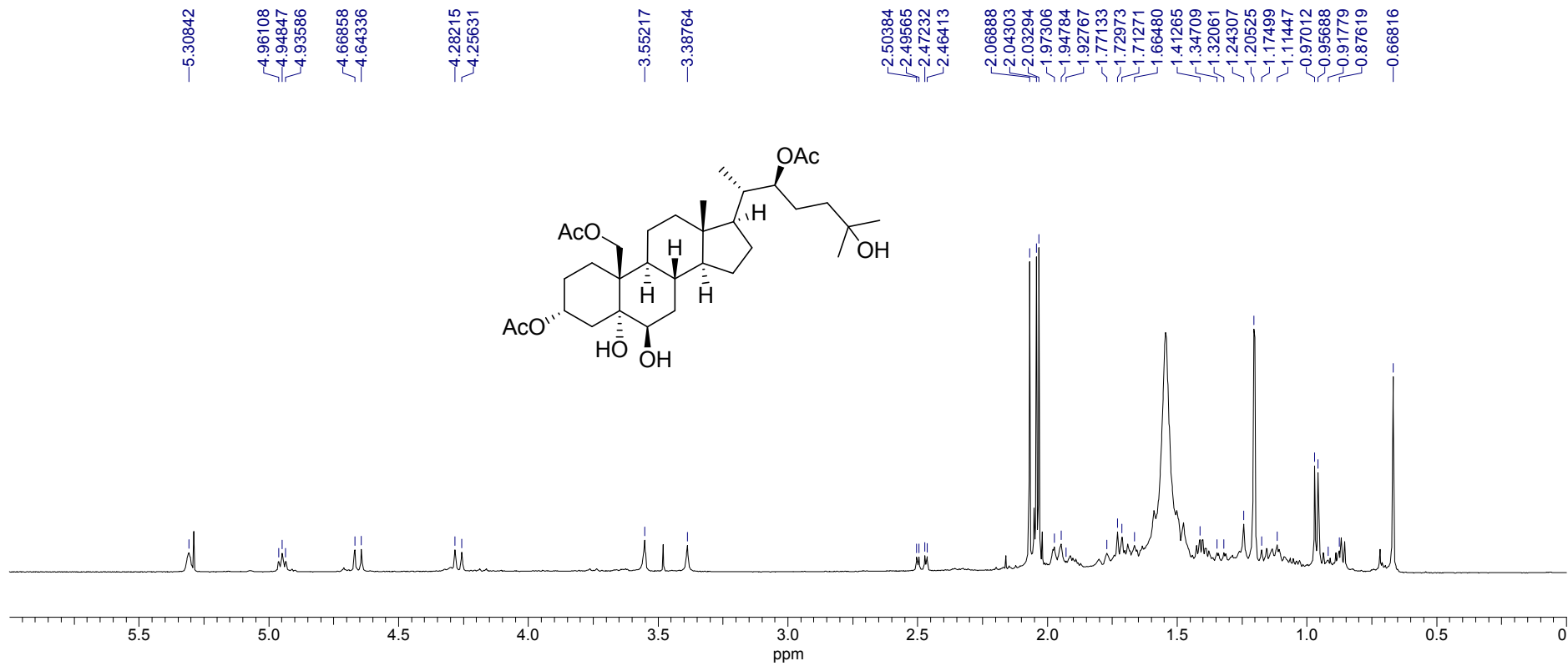


78.52365
77.72320
77.32298
76.99999
76.68403
76.47339
76.42424
75.79933
66.94529
62.66221

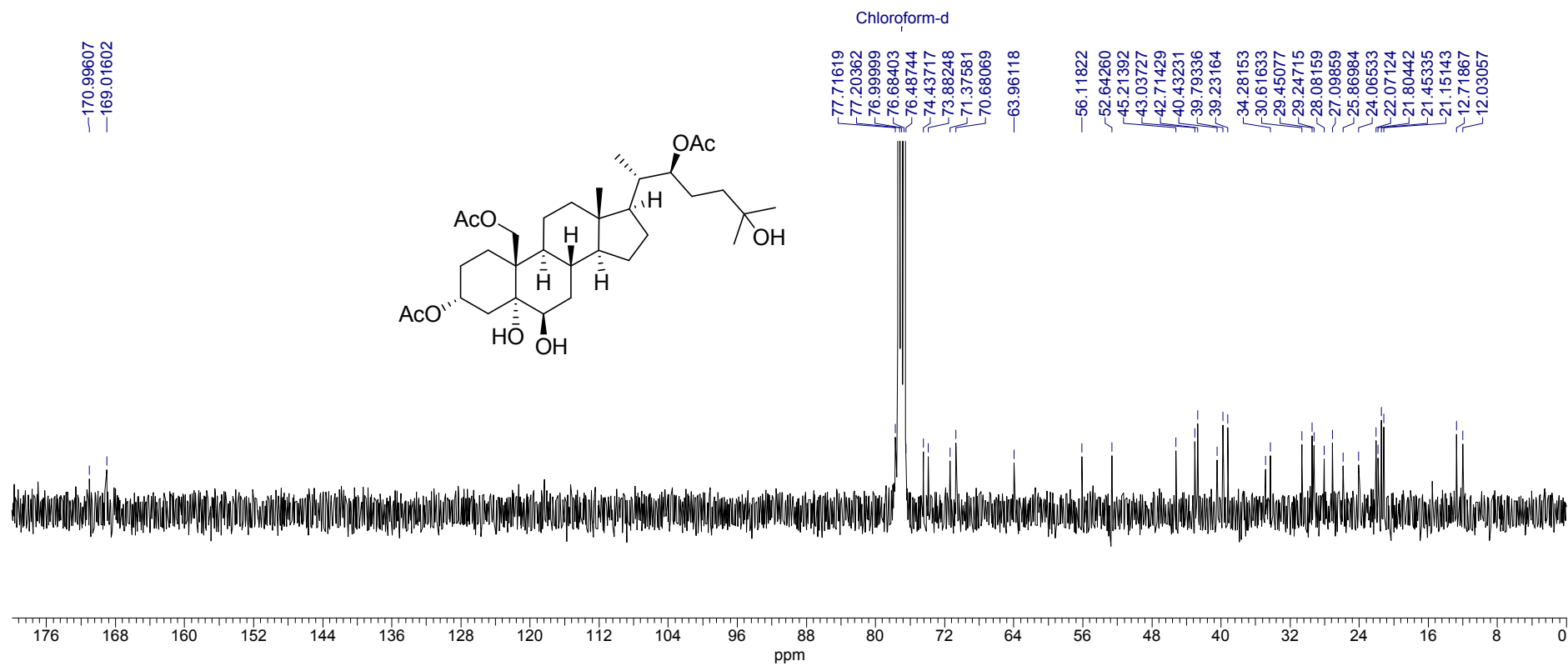
52.51622
48.55612
46.67438
42.59492
40.69210
38.92270
34.96261
34.66069
33.68470
30.85506
29.99845
29.47184
28.04648
25.82771
23.93894
22.63295
22.41529
21.36909
21.18653
20.26672
12.73974
11.17395



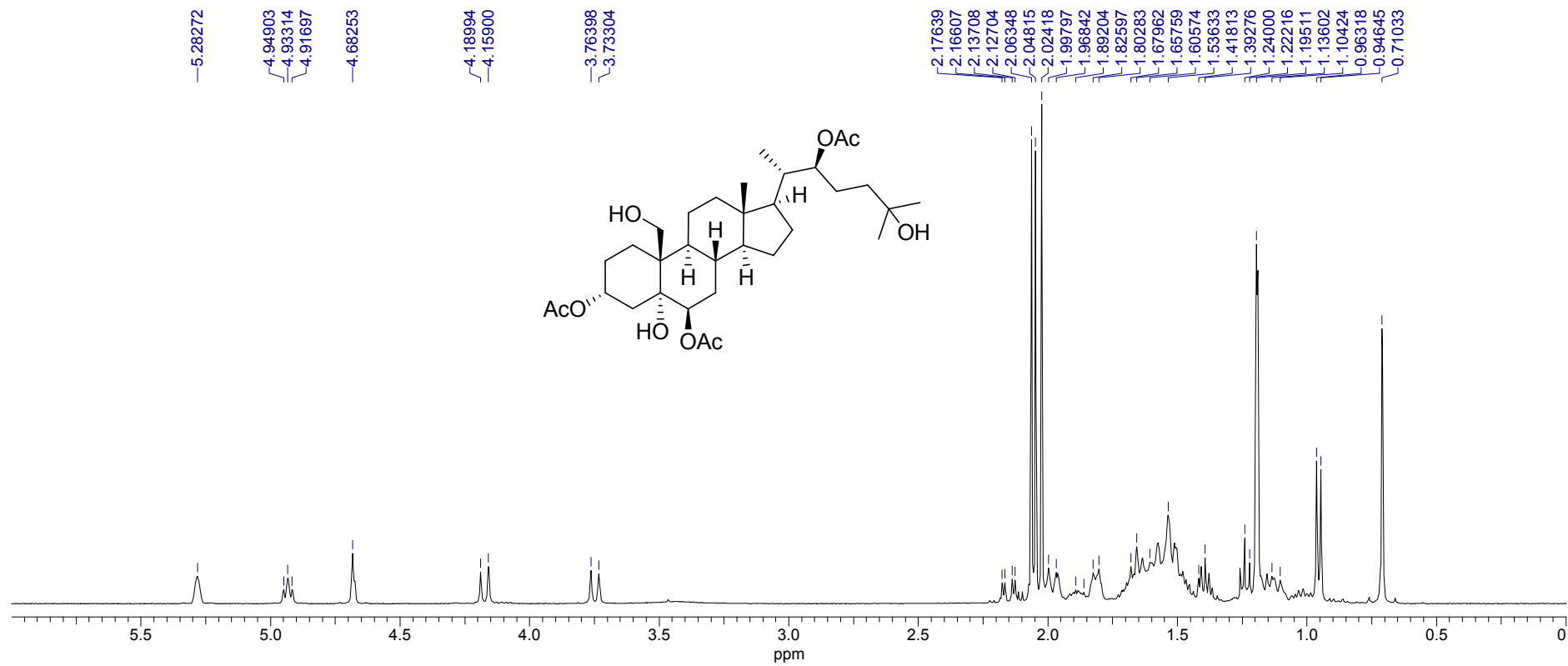
^1H NMR of **7** in CDCl_3



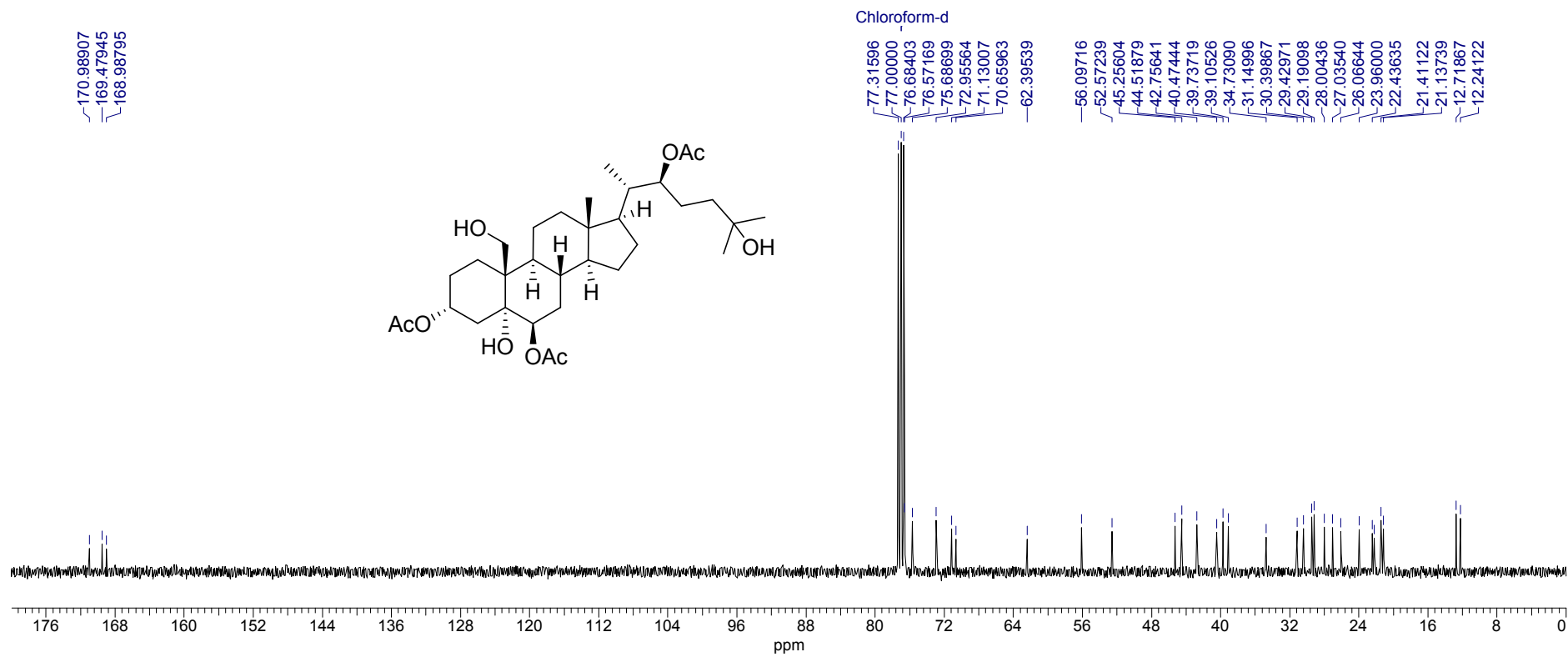
¹³C NMR spectrum of **7** in CDCl₃



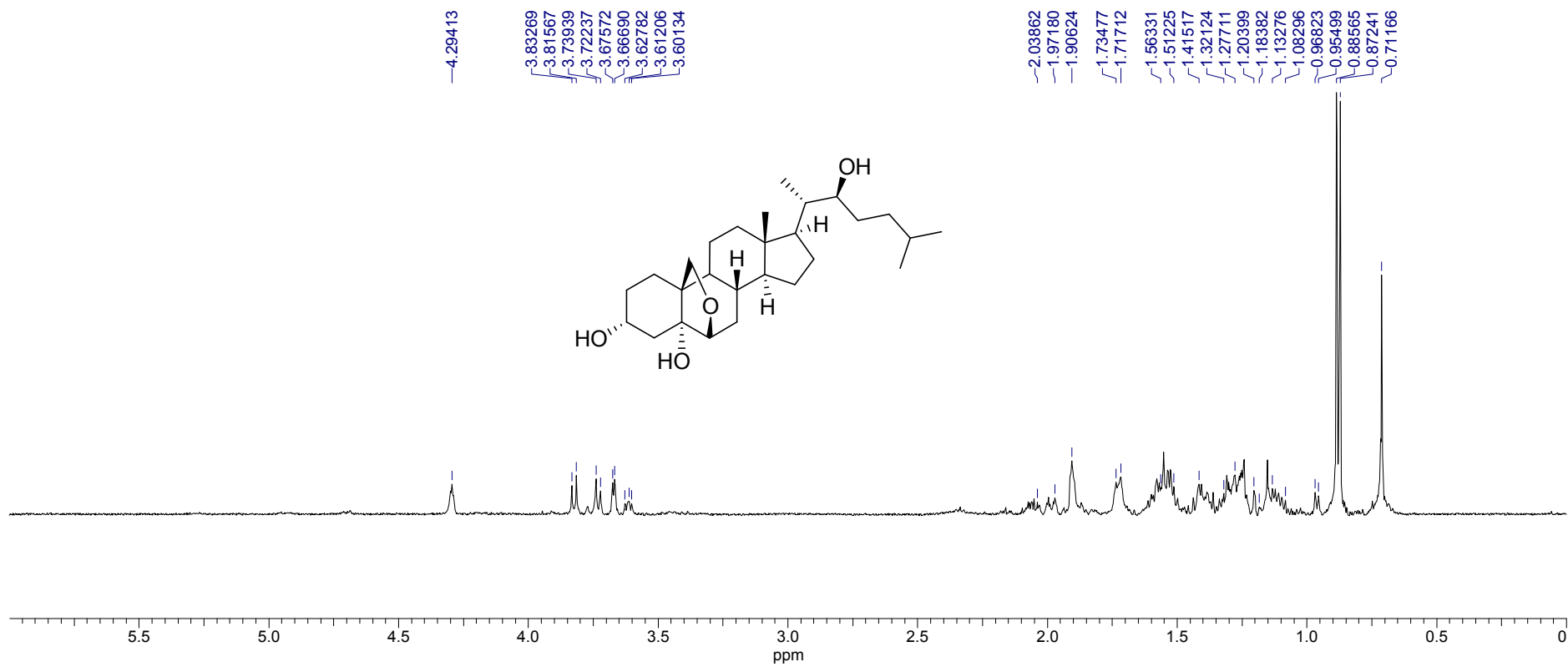
^1H NMR of **8** in CDCl_3



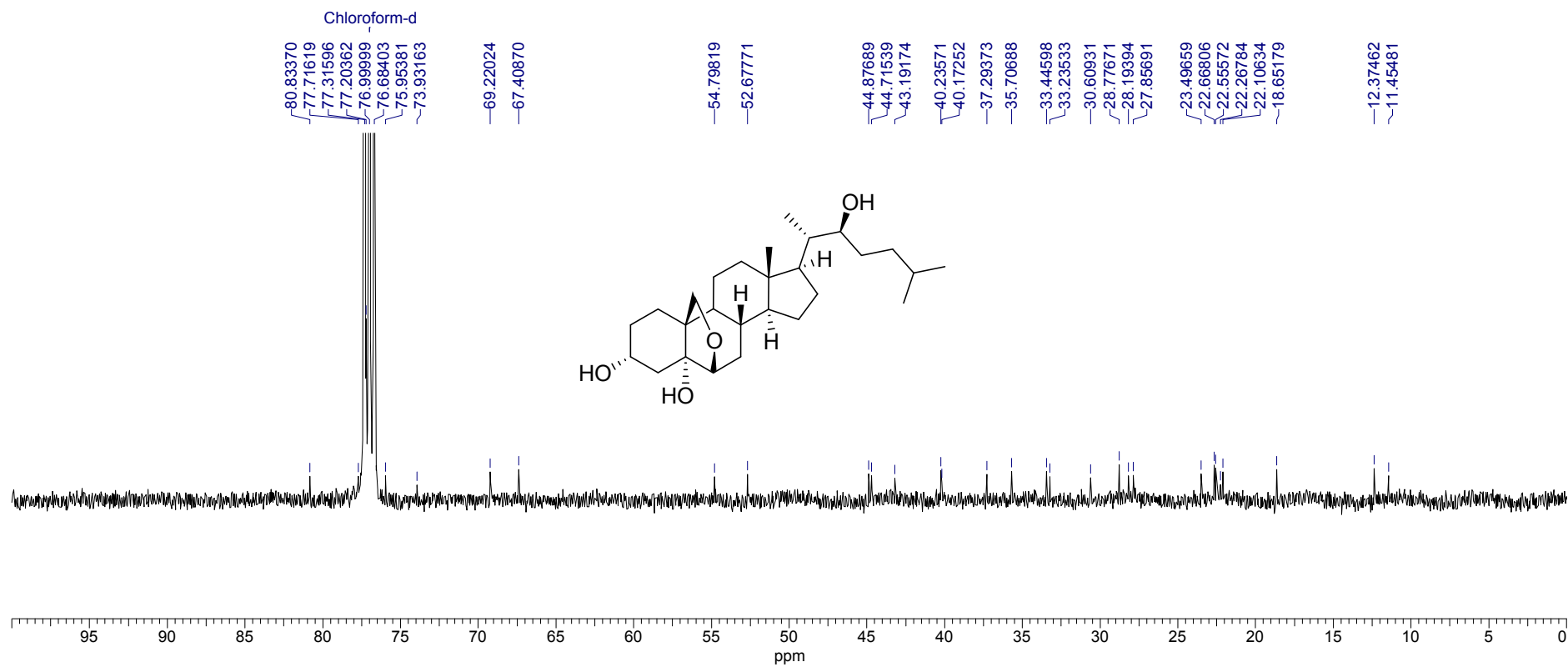
¹³C NMR spectrum of **8** in CDCl₃



^1H NMR of **9** in CDCl_3



¹³C NMR spectrum of **9** in CDCl₃



¹H NMR of **10** in CDCl₃

4.92893
4.91380
4.89804

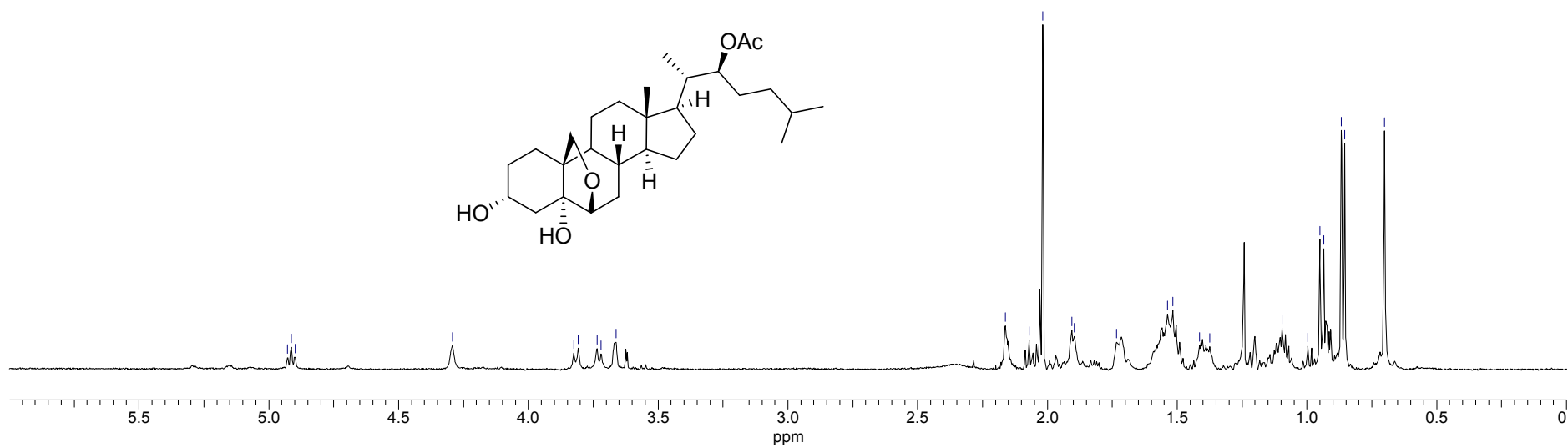
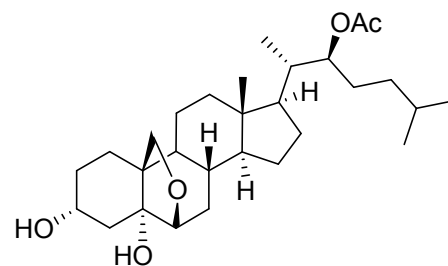
4.29287

3.82513
3.80874
3.73561
3.71922
3.66249

2.16154
2.07077
2.01718
1.90624
1.89678
1.73414

1.53809
1.51729
1.41454
1.37545

1.09682
0.99659
0.94994
0.93608
0.86799
0.85476
0.70220



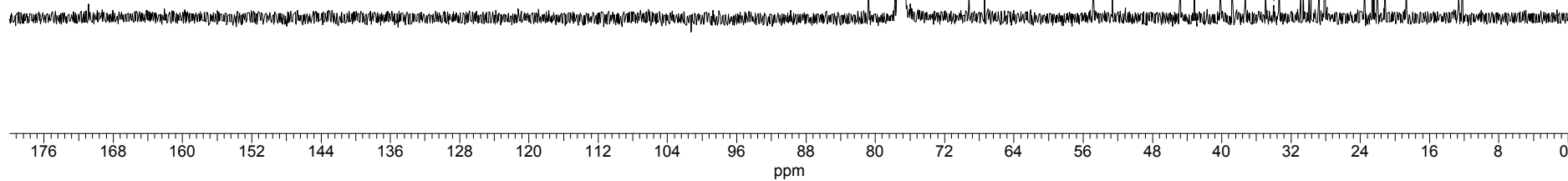
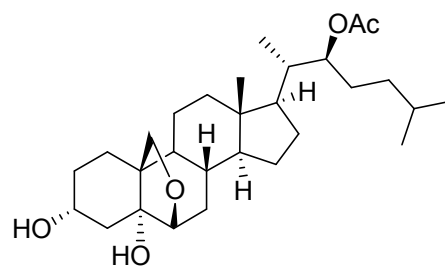
¹³C NMR spectrum of **10** in CDCl₃

Chloroform-d

—170.85565

80.81966
77.31596
77.00000
76.68403
75.95381
69.17811
67.39466

54.82628
52.62155
44.83476
43.13558
40.15146
38.83845
37.30075
34.94857
33.41087
30.59527
29.92824
28.75565
28.17288
28.05351
23.48957
22.66104
22.40827
22.07826
21.16547
18.67286
12.66250
12.22717



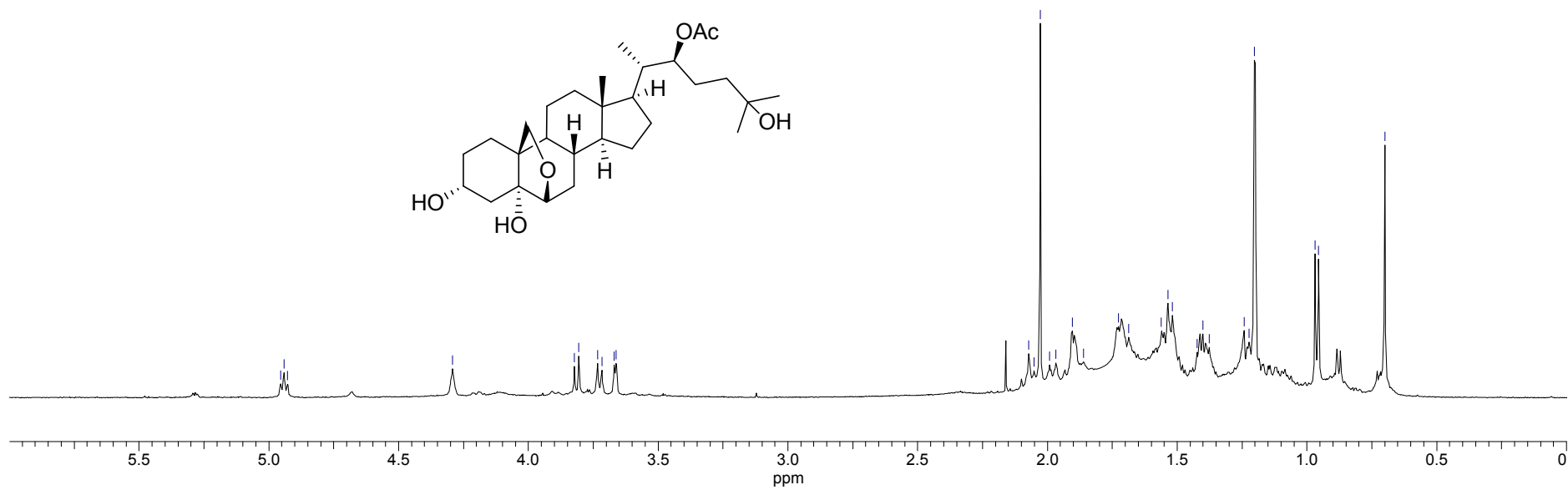
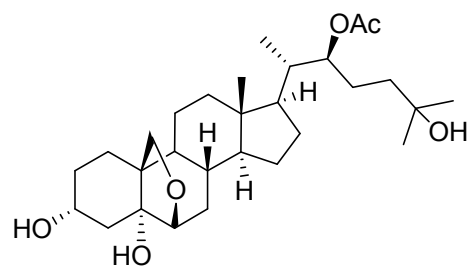
¹H NMR of **11** in CDCl₃

4.95414
4.94153
4.92893

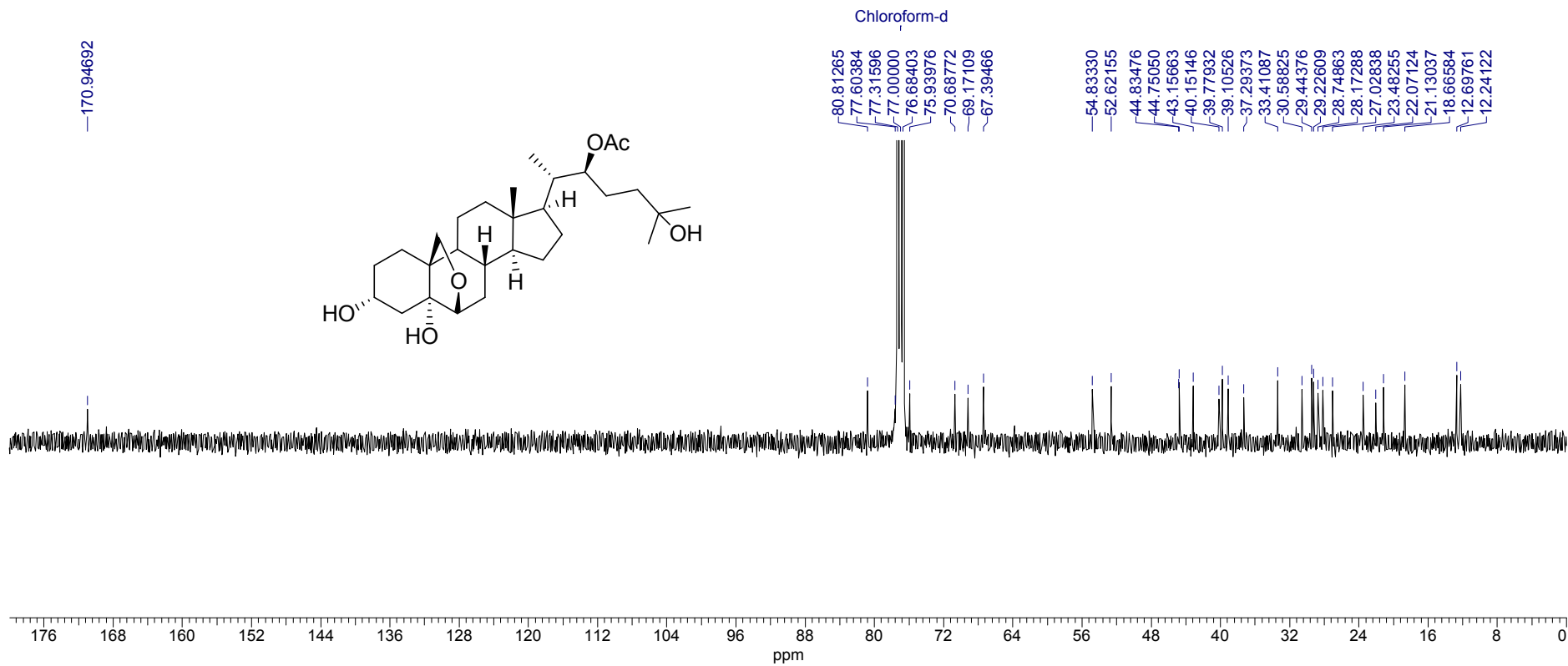
4.29161

3.82260
3.80558
3.73372
3.71670
3.66879
3.66123

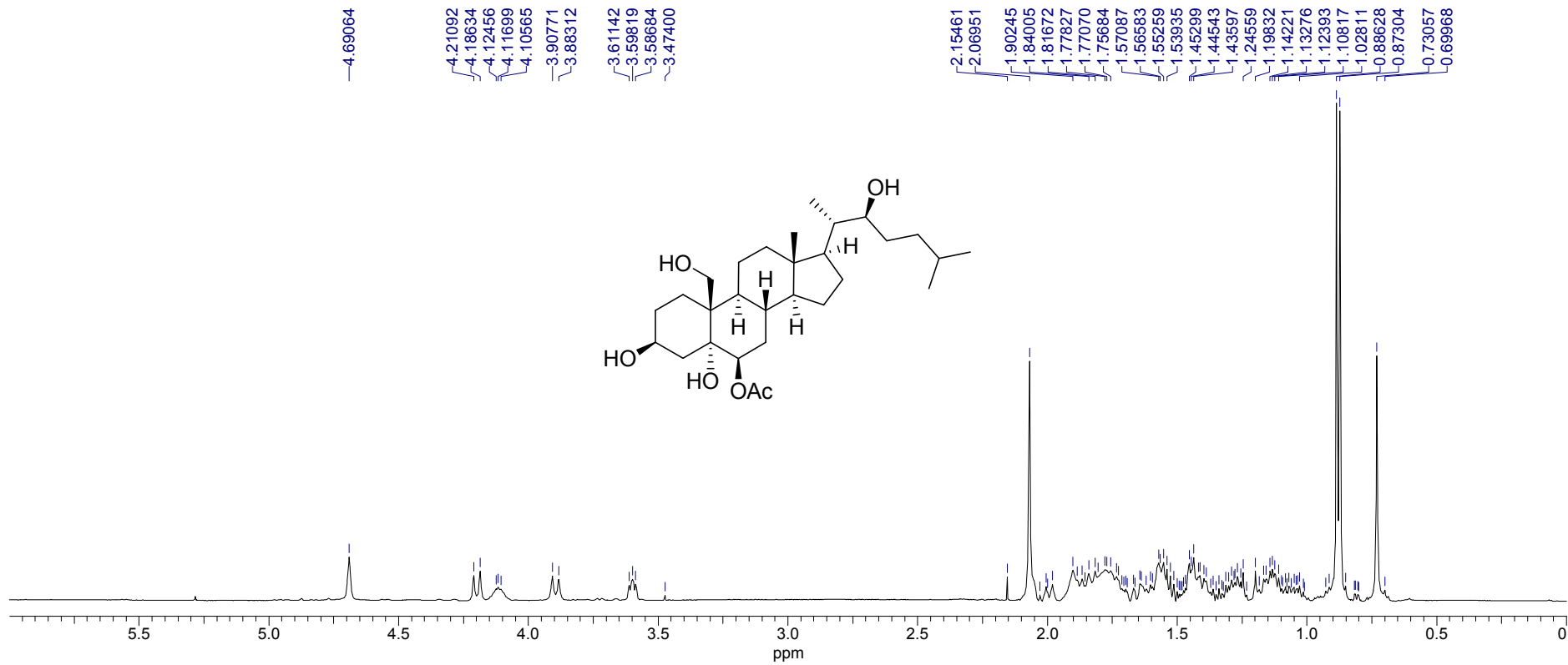
2.07203
2.05122
2.02790
1.99197
1.96738
1.90308
1.86148
1.72595
1.68749
1.56079
1.53494
1.51855
1.42399
1.40004
1.37671
1.24181
1.22290
1.20273
0.96886
0.95499
0.70031



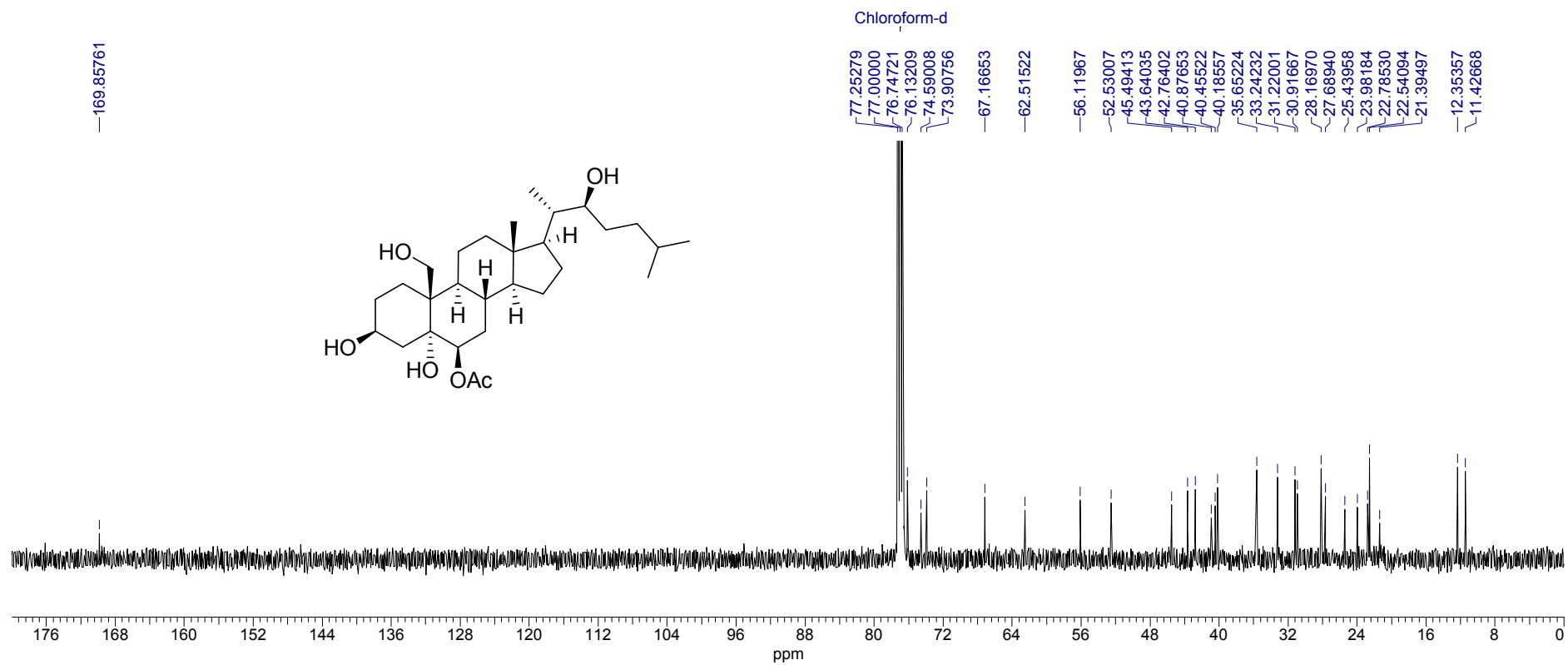
¹³C NMR spectrum of **11** in CDCl₃



¹H NMR of **12** in CDCl₃



^{13}C NMR spectrum of **12** in CDCl_3



¹H NMR of **13** in CDCl₃

5.16658
5.15586
5.14452
5.13380
5.12245
5.11111
5.10039

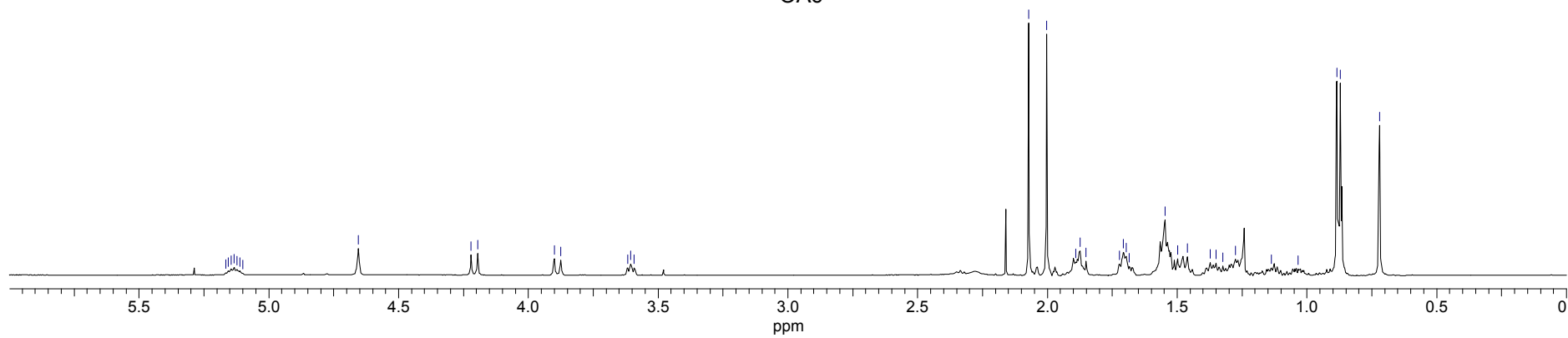
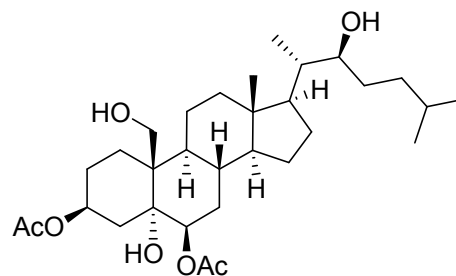
4.65597

4.22101
4.19579

3.90014
3.87493

3.61710
3.60512
3.59314

2.07203
2.00332
1.89111
1.87346
1.85076
1.72280
1.70704
1.69695
1.68434
1.54755
1.49838
1.46056
1.37293
1.35024
1.32376
1.27585
1.13654
1.03379
0.88502
0.87241
0.72049



¹³C NMR spectrum of **13** in CDCl₃

Chloroform-d

170.72224
169.57773

77.31596
77.00000
76.68403
76.42424
74.12823
73.92460
70.55431

62.63413

56.15333

52.48111

45.32626

43.73240

42.77046

40.46742

40.17954

35.65071

33.24236

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28.17990

27.70244

27.23902

25.46962

24.03022

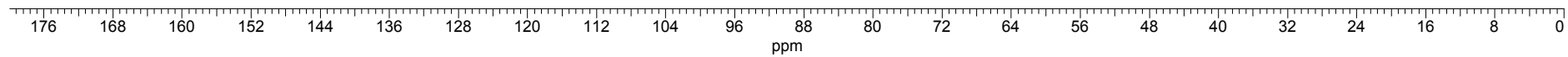
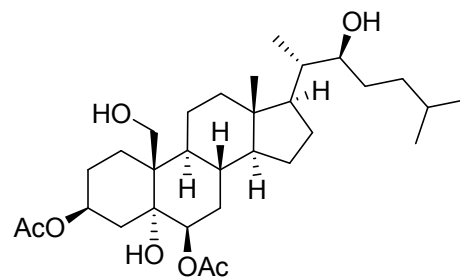
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22.66104

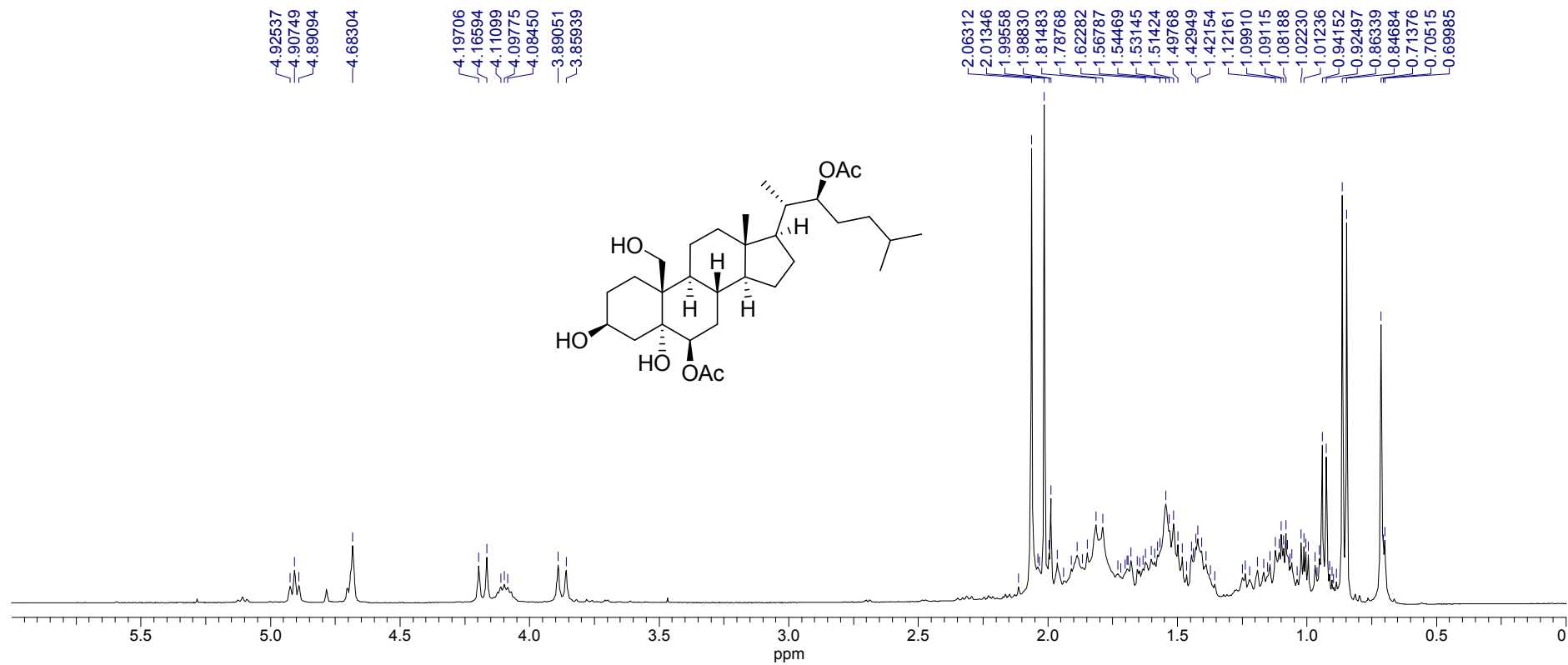
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12.35356

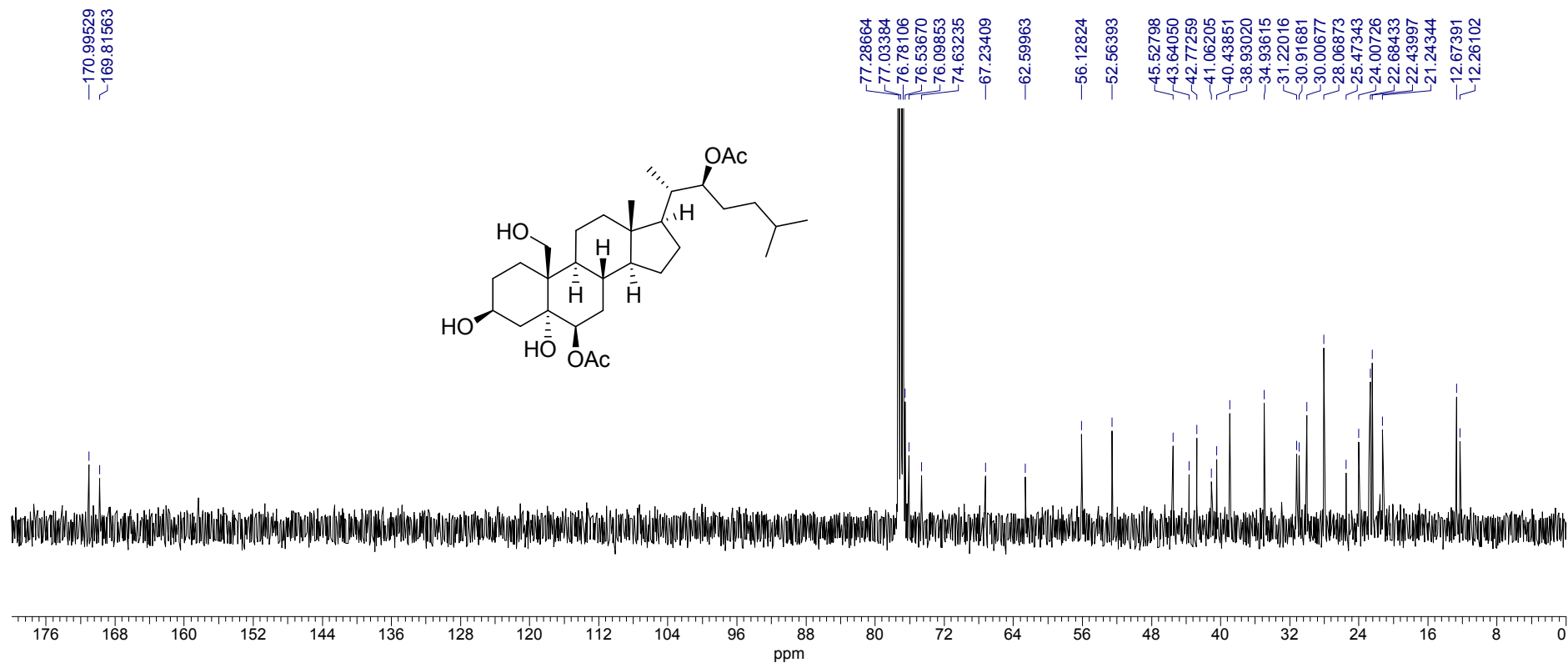
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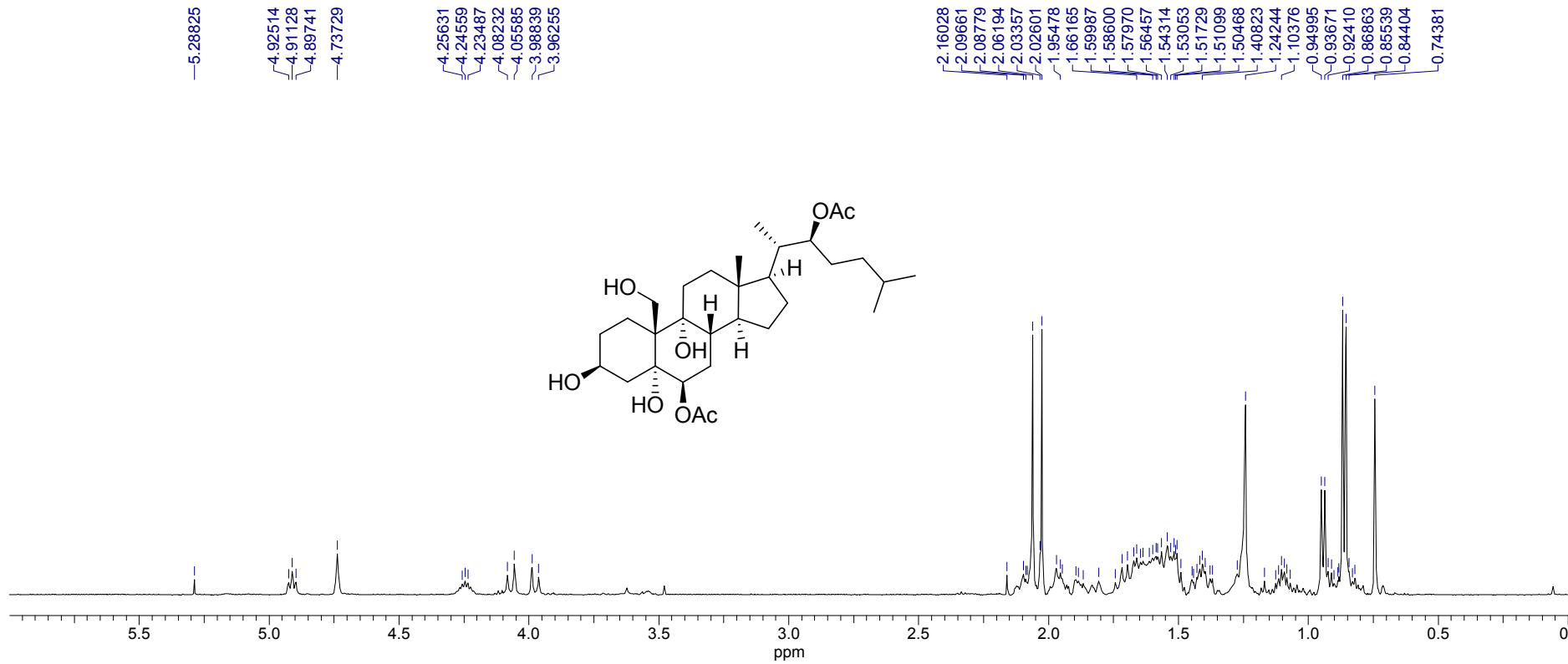
¹H NMR of **14** in CDCl₃



^{13}C NMR spectrum of **14** in CDCl_3



¹H NMR of **15** in CDCl₃



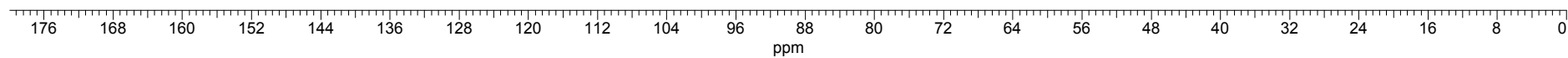
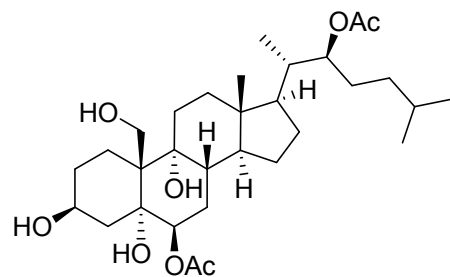
¹³C NMR spectrum of **15** in CDCl₃

Chloroform-d

170.83458
169.36709

78.52365
77.72320
77.32298
76.99999
76.68403
76.47339
76.42424
75.79933
66.94529
62.66221

52.51622
48.55612
46.67438
42.59492
40.69210
38.92270
34.96261
34.66069
33.68470
30.85506
29.99845
29.47184
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21.36909
21.18653
20.26672
12.73974
11.17395



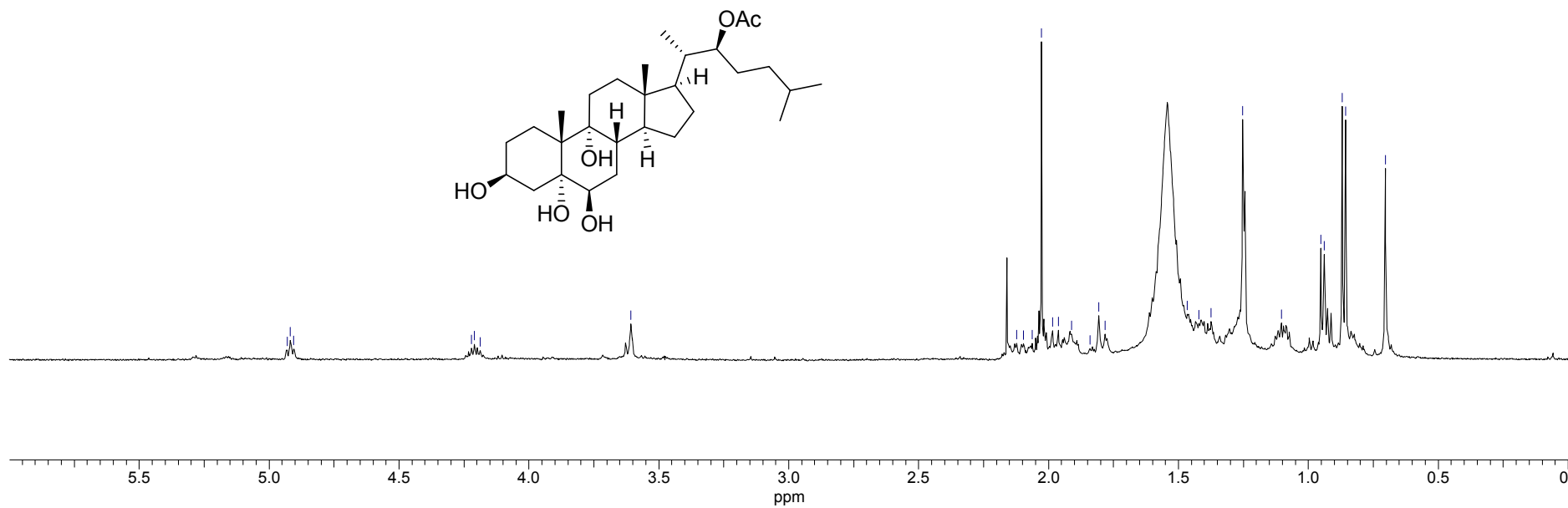
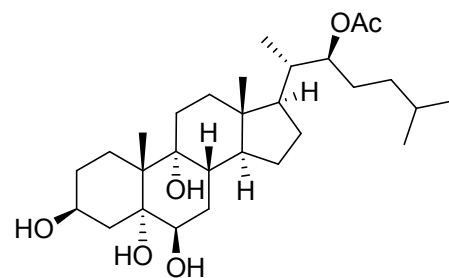
¹H NMR of **16** in CDCl₃

4.93082
4.91821
4.90560

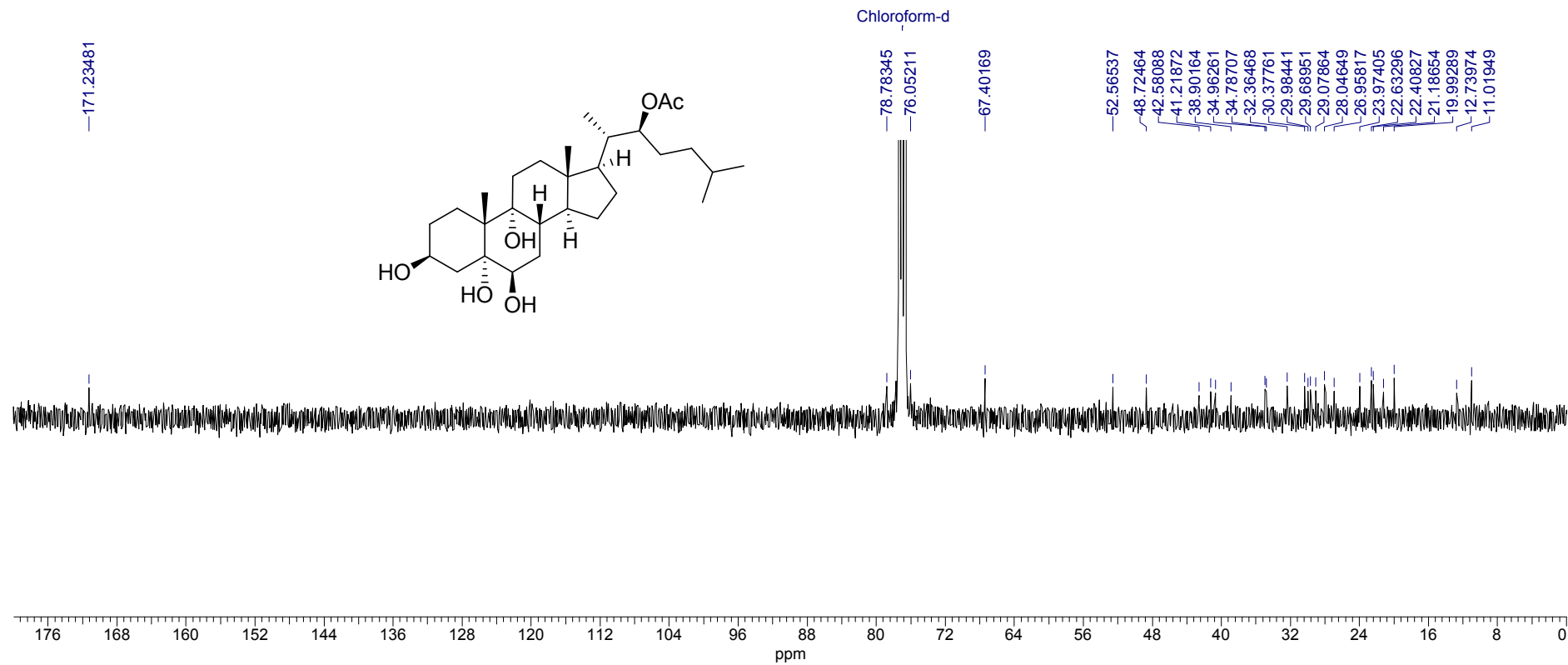
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4.21029
4.18823

3.60701

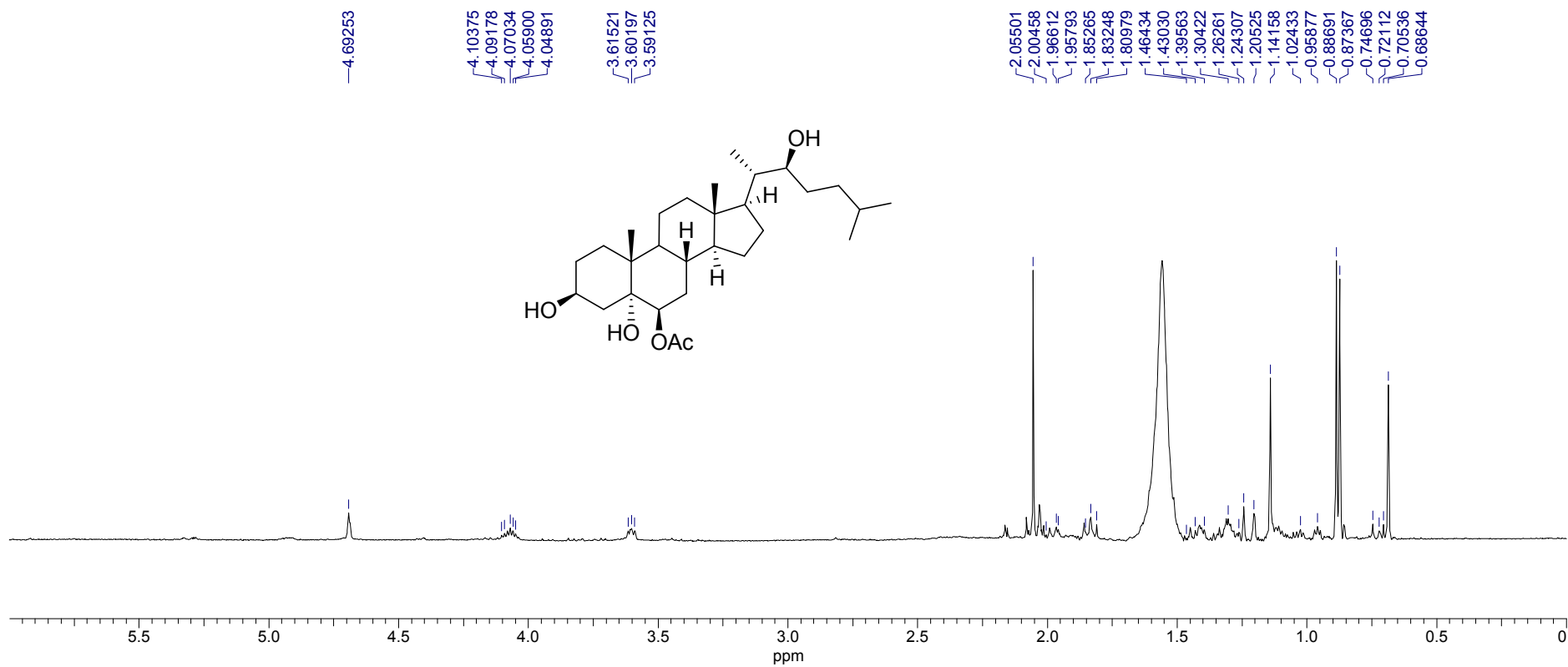
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1.84131
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1.10439
0.95247
0.93923
0.87052
0.85728
0.70410



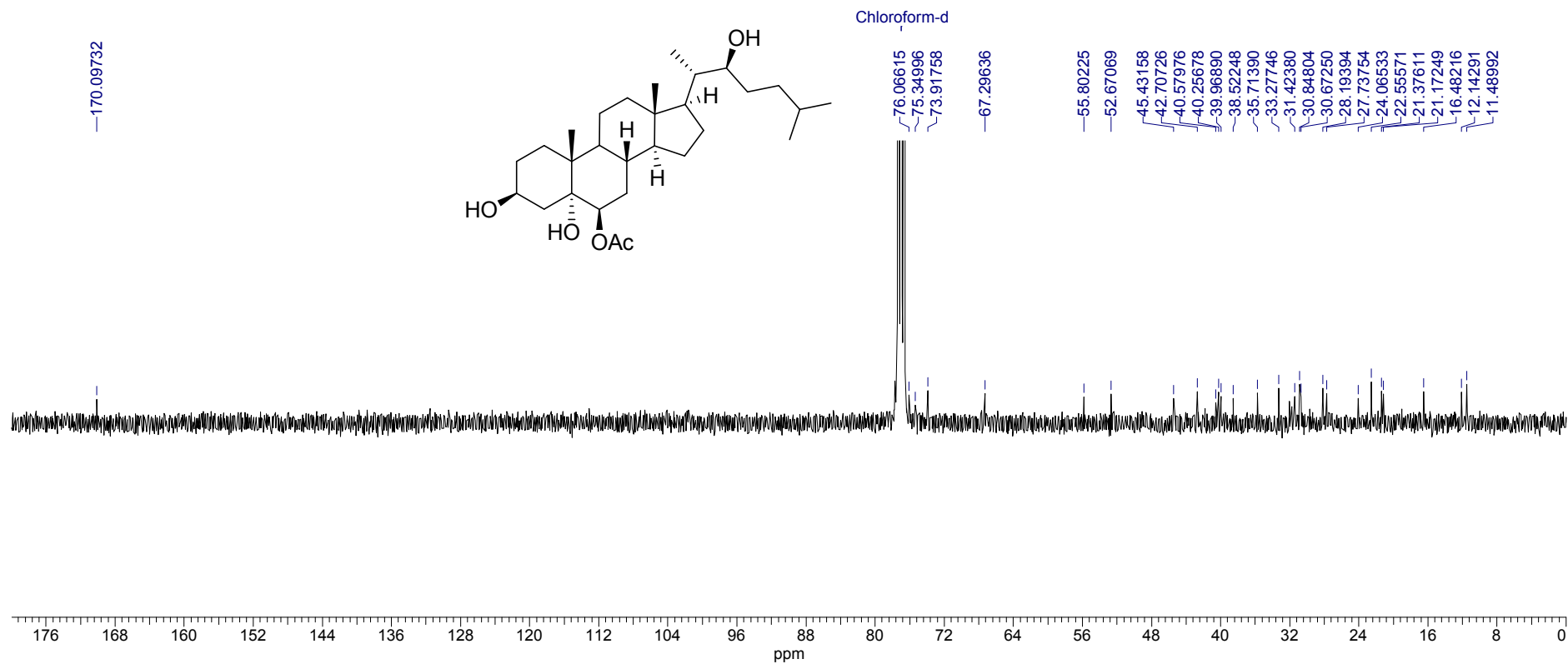
¹³C NMR spectrum of **16** in CDCl₃



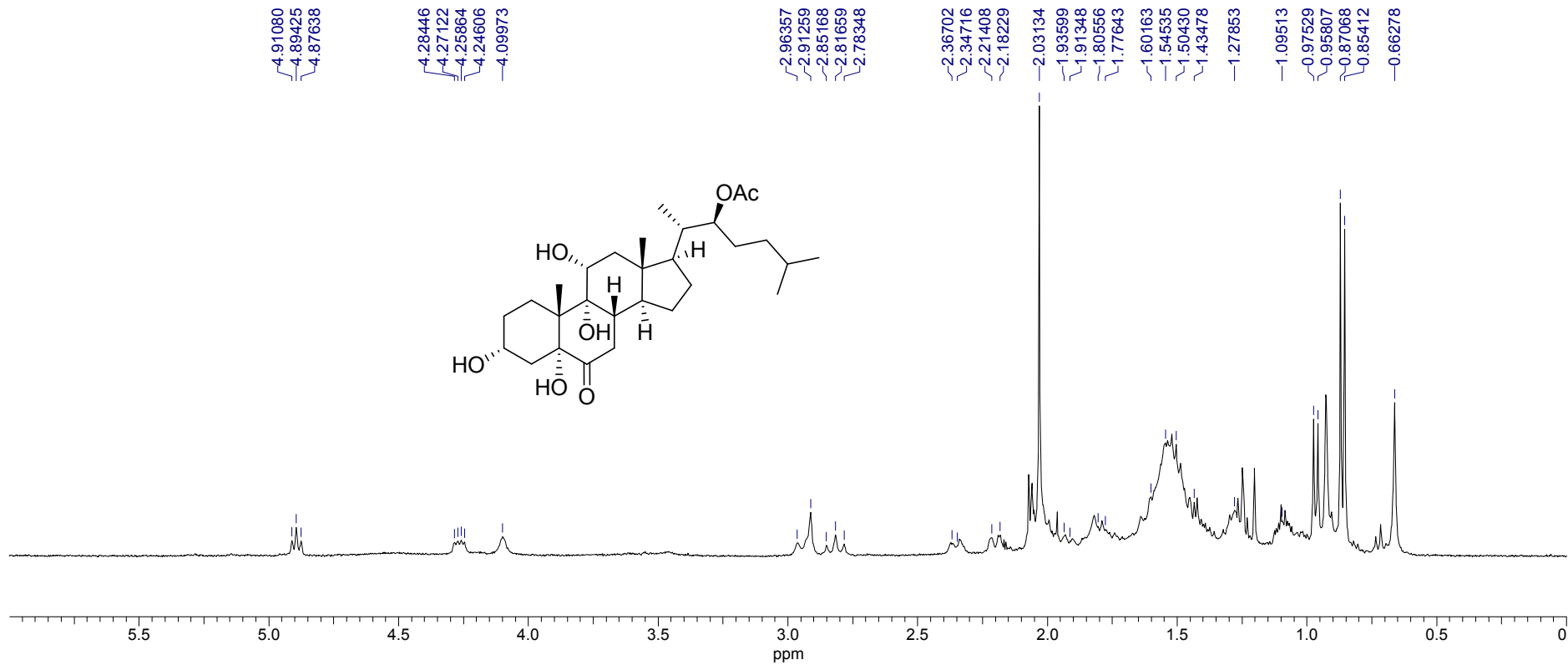
¹H NMR of **17** in CDCl₃



^{13}C NMR spectrum of **17** in CDCl_3



¹H NMR of **18** in CDCl₃



¹³C NMR spectrum of **18** in CDCl₃

