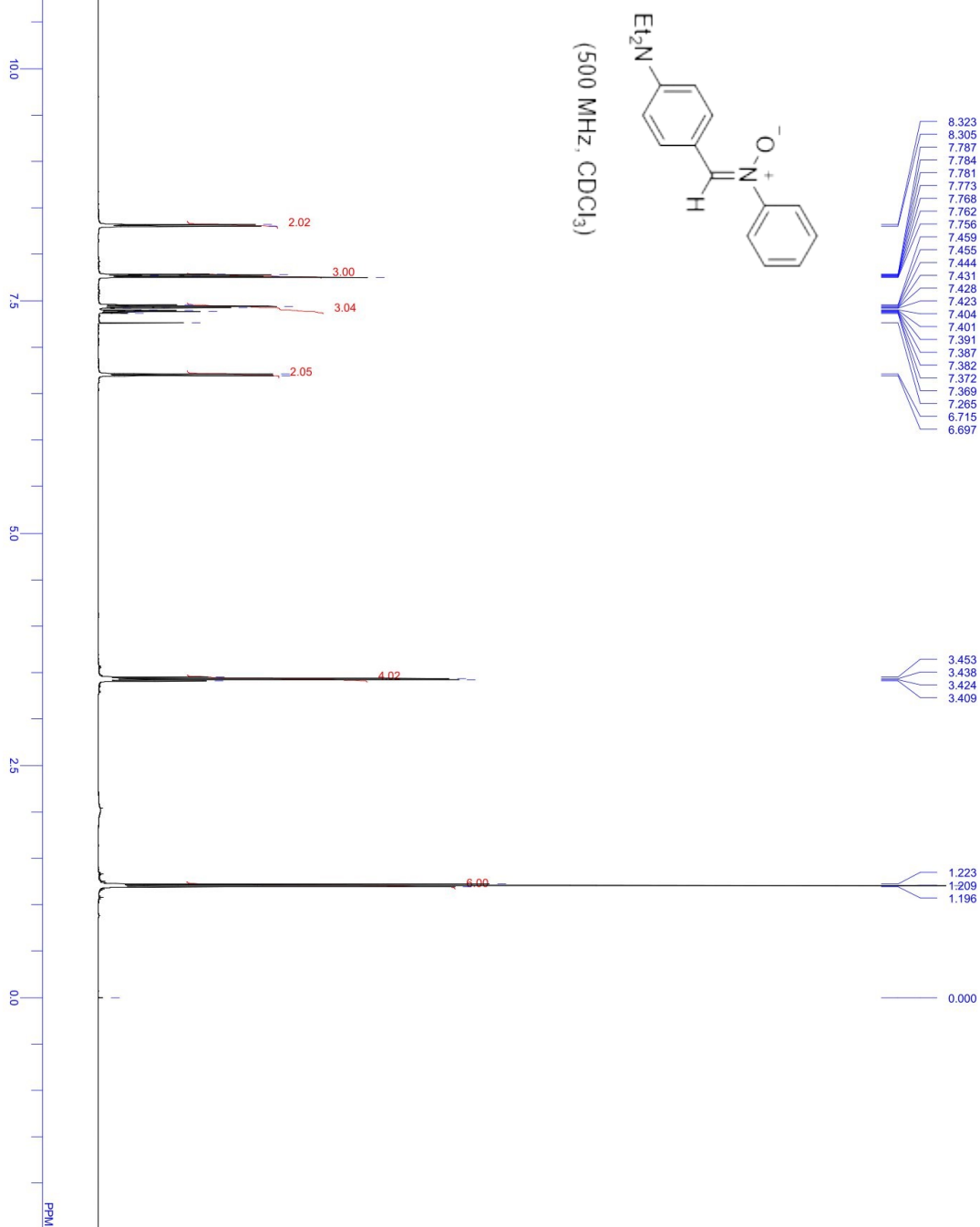
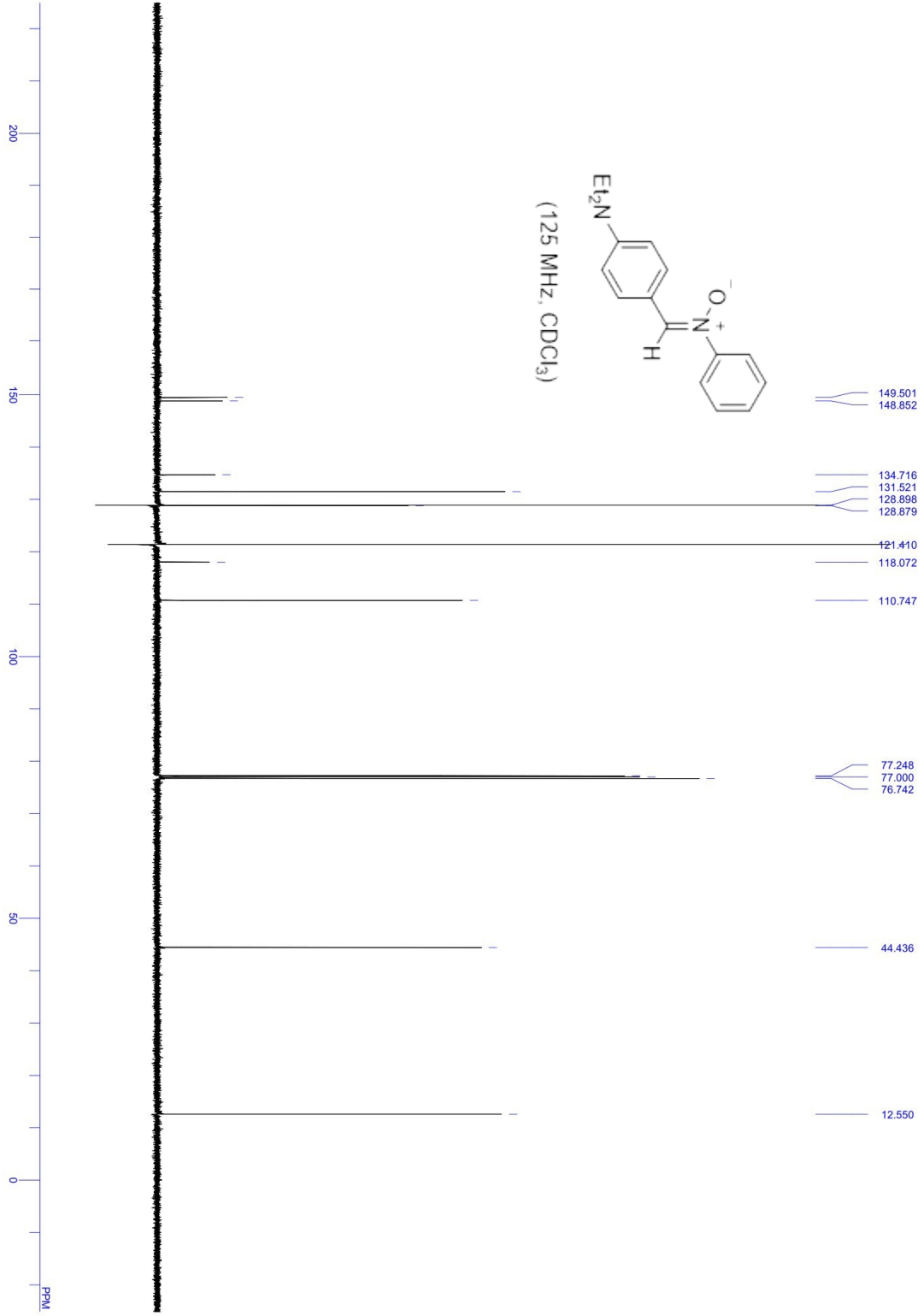
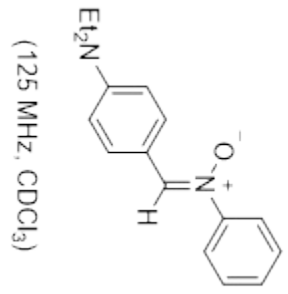
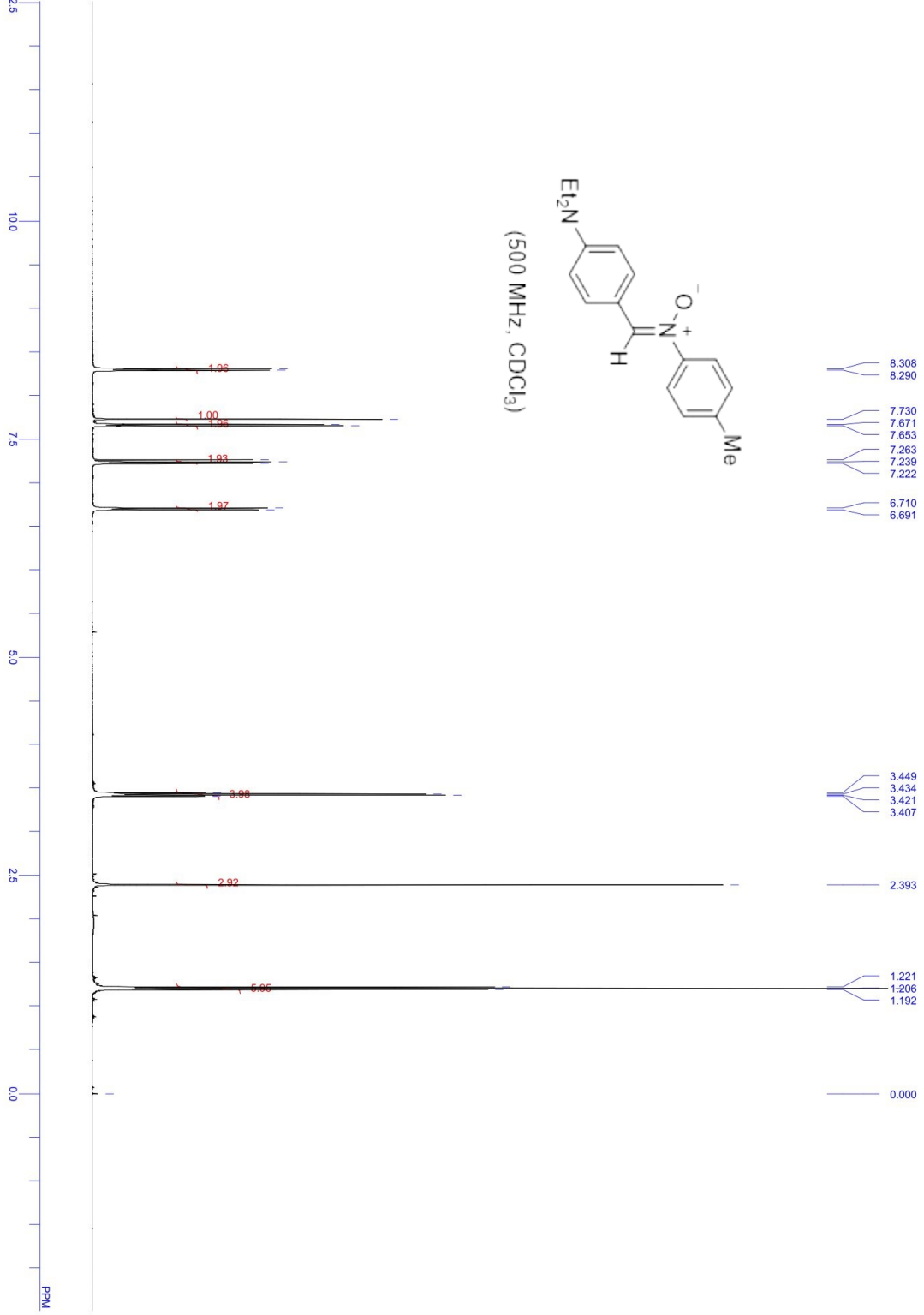
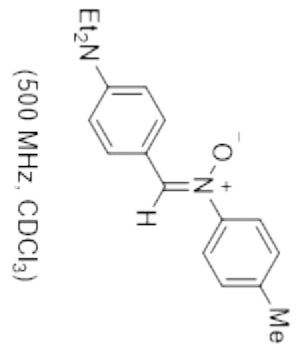
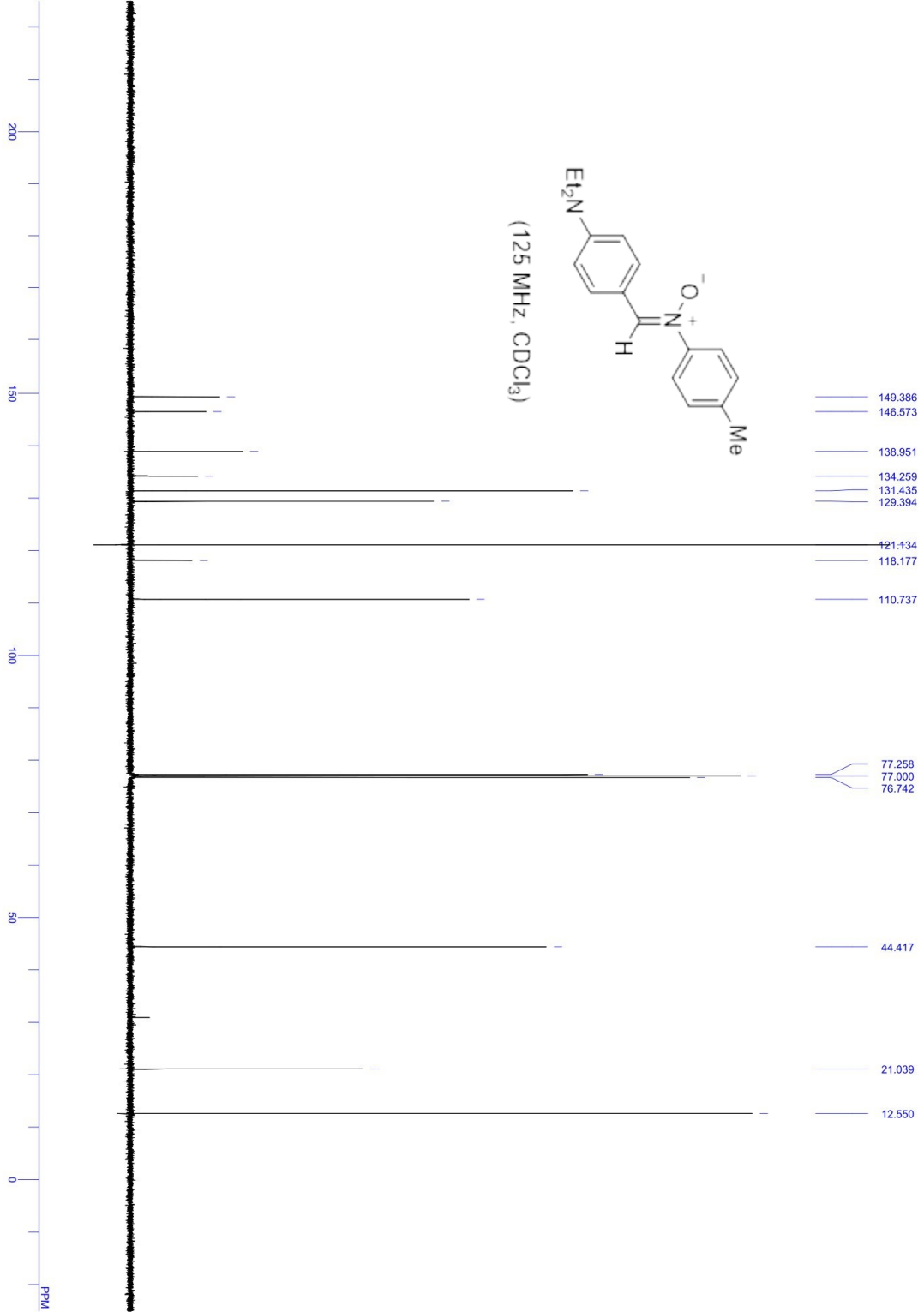
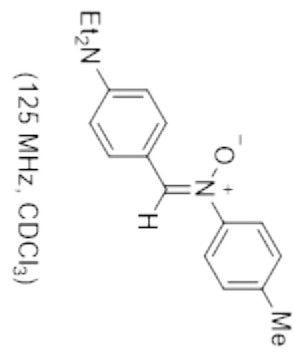


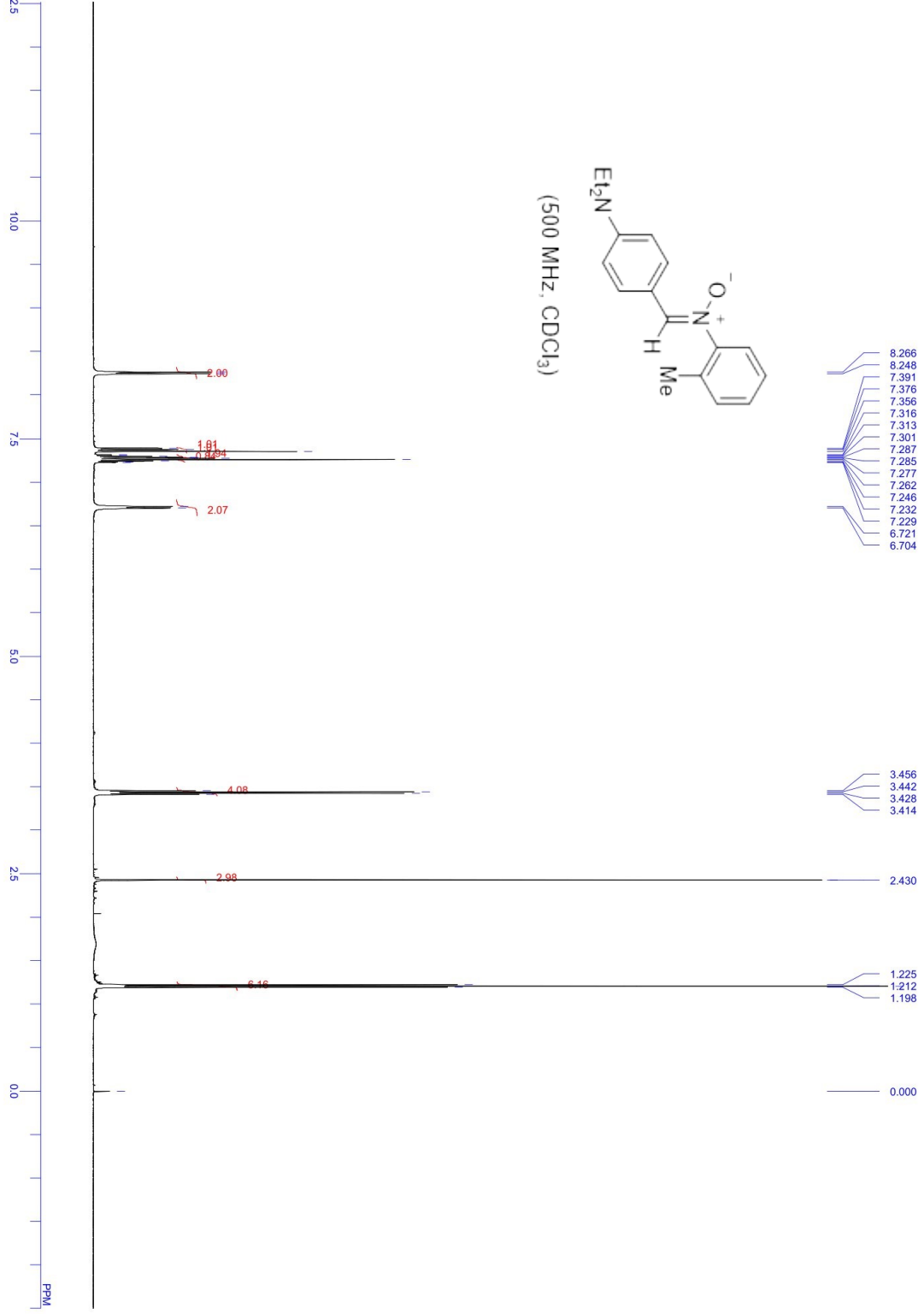
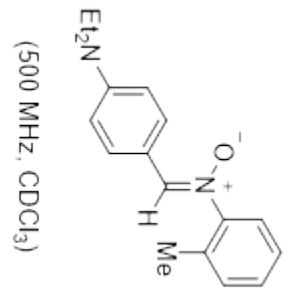
10. Copies of ^1H a

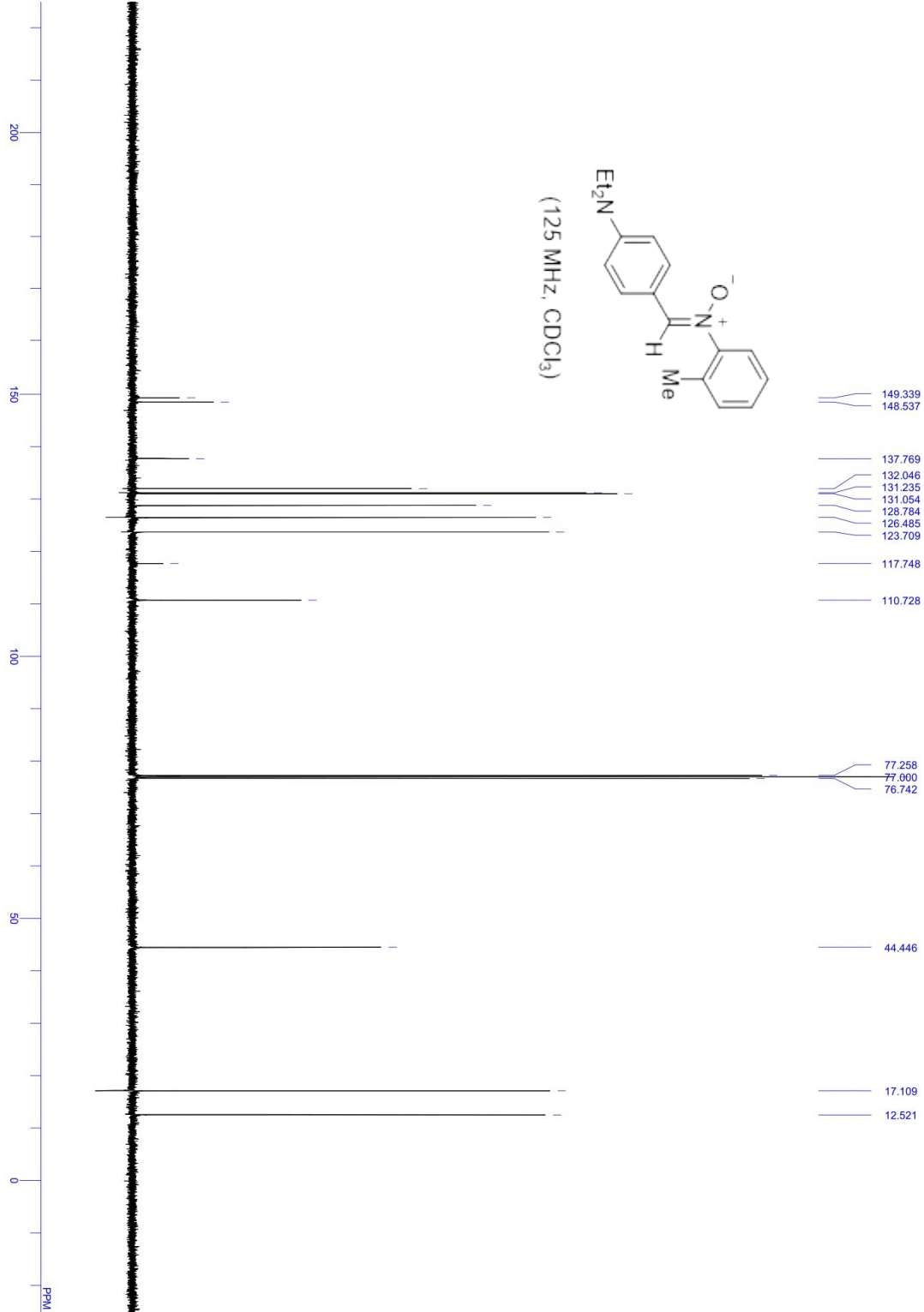
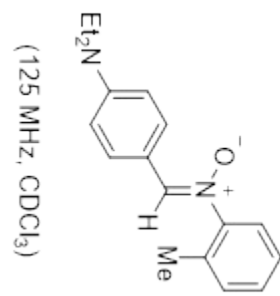


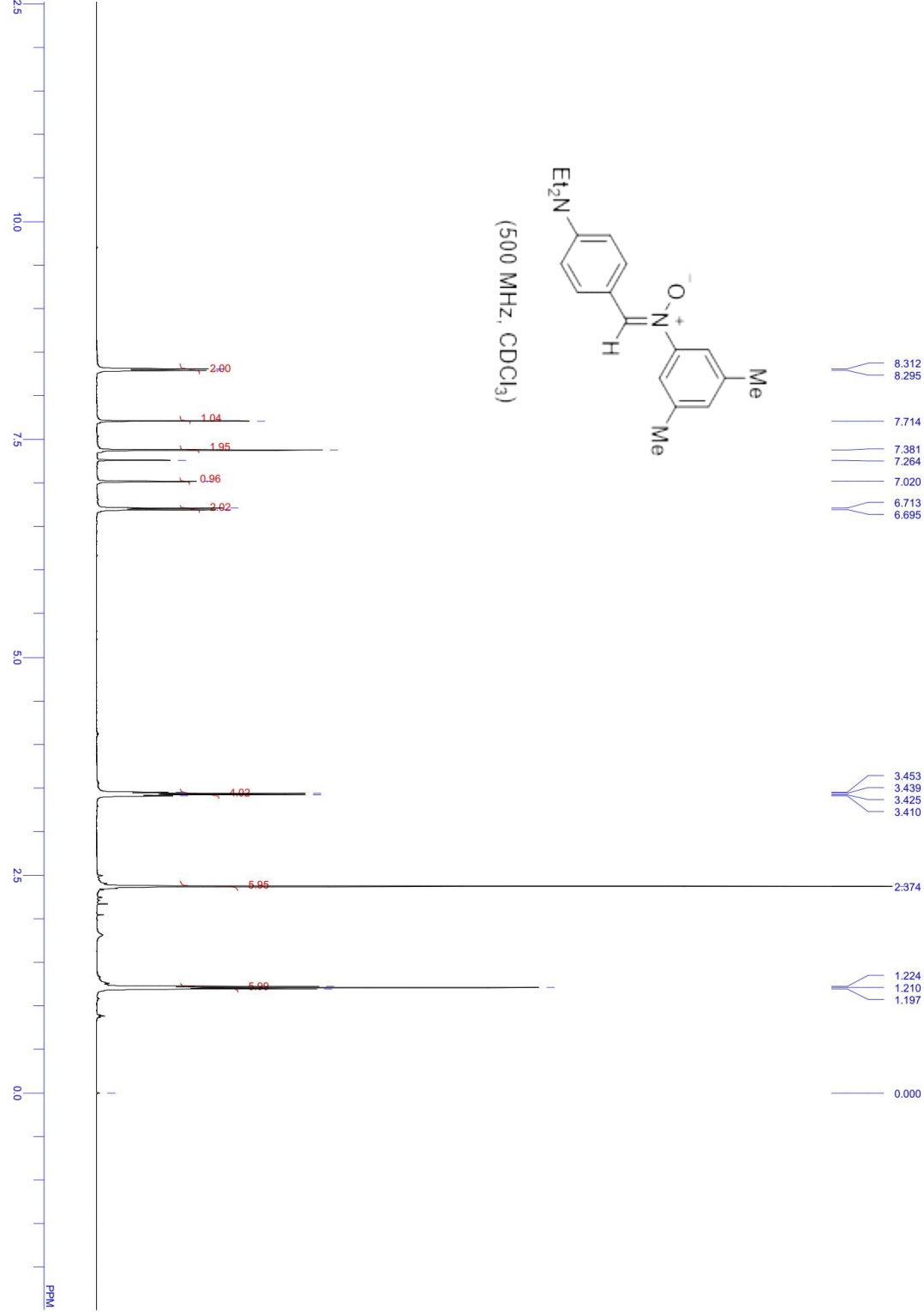
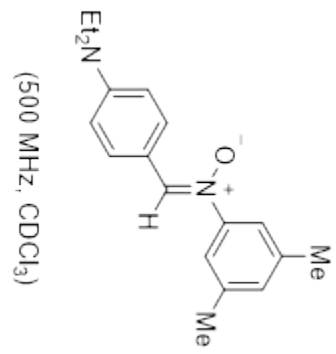


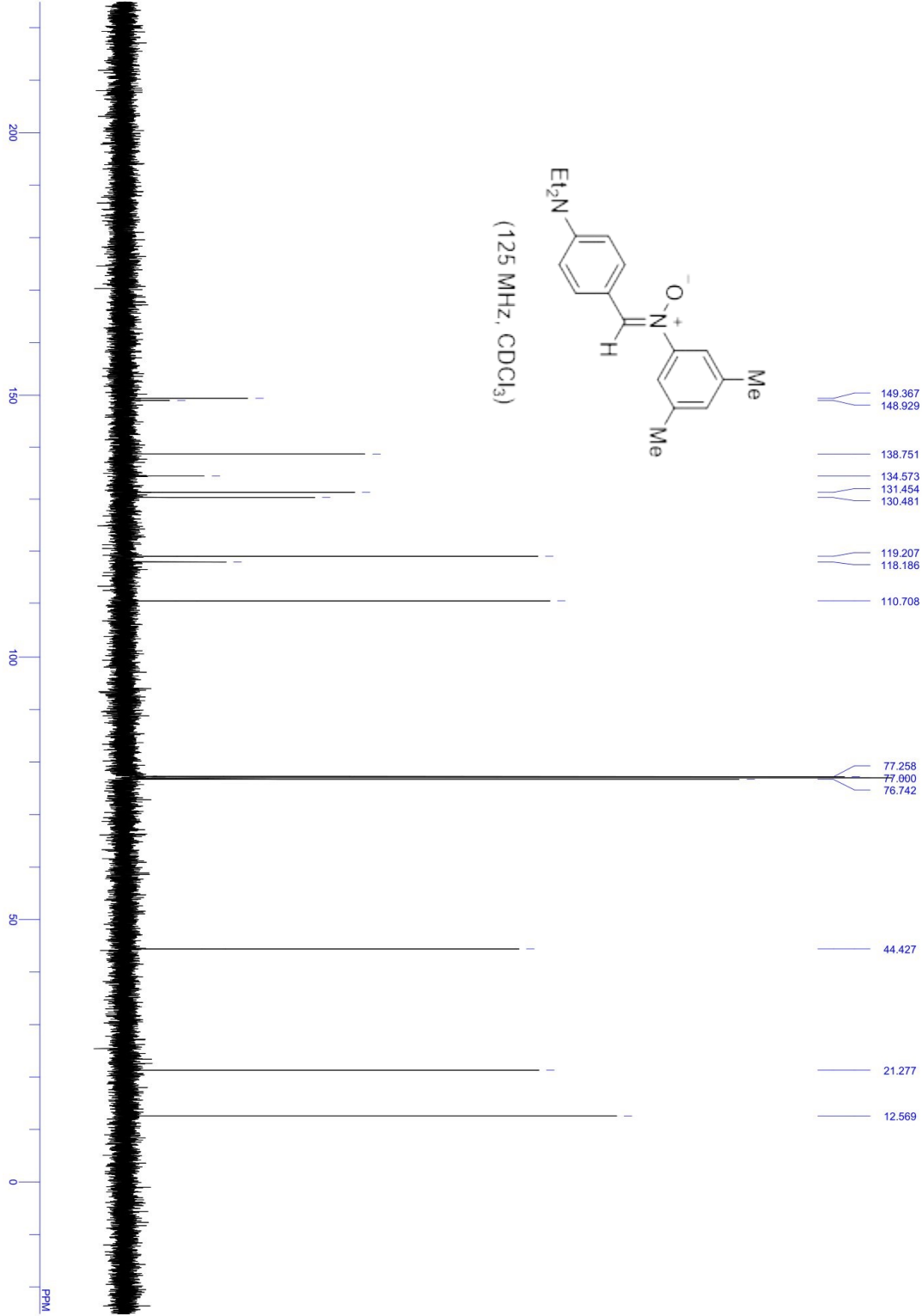
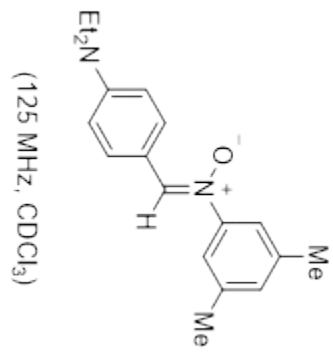


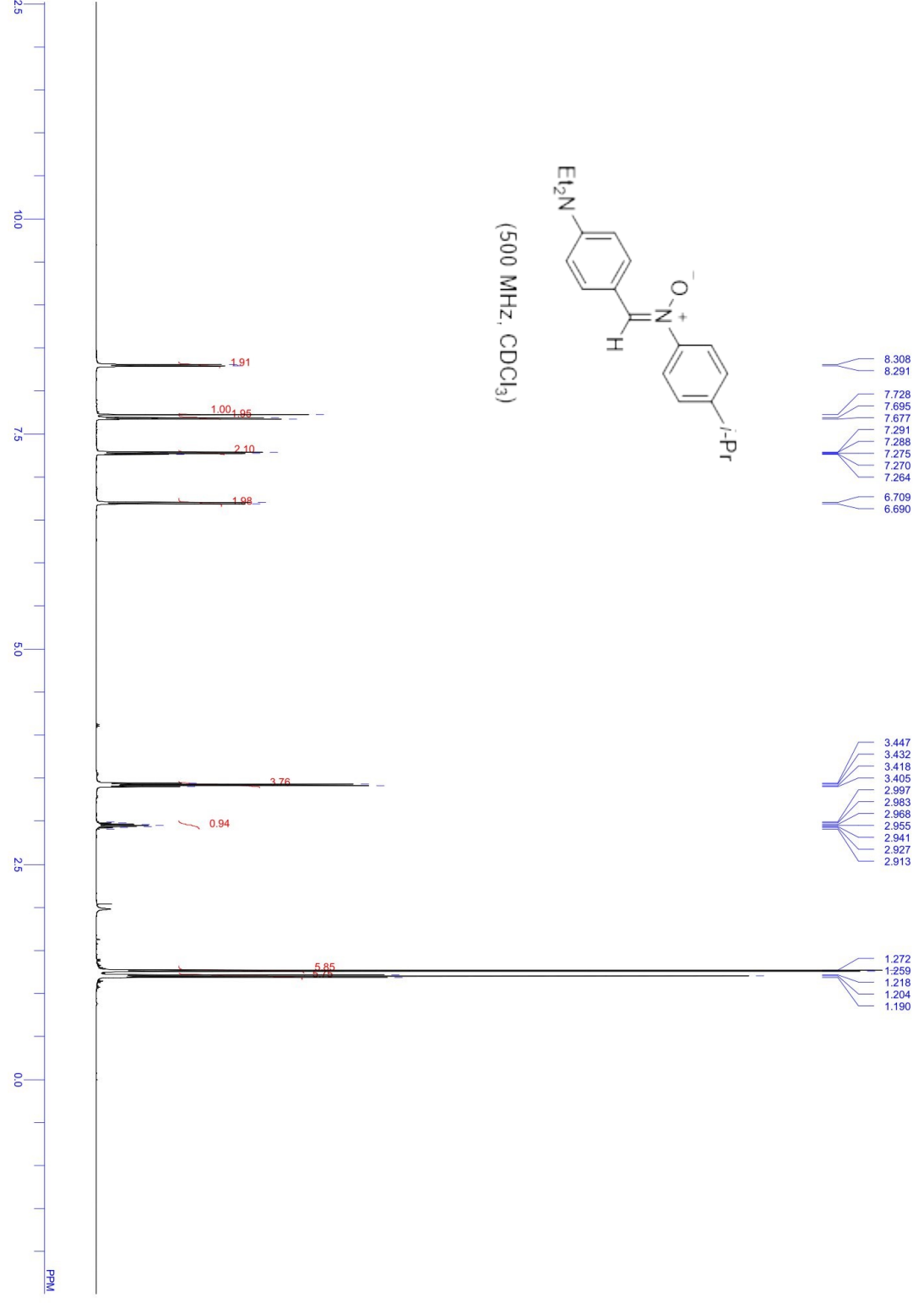
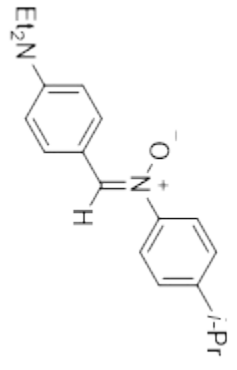


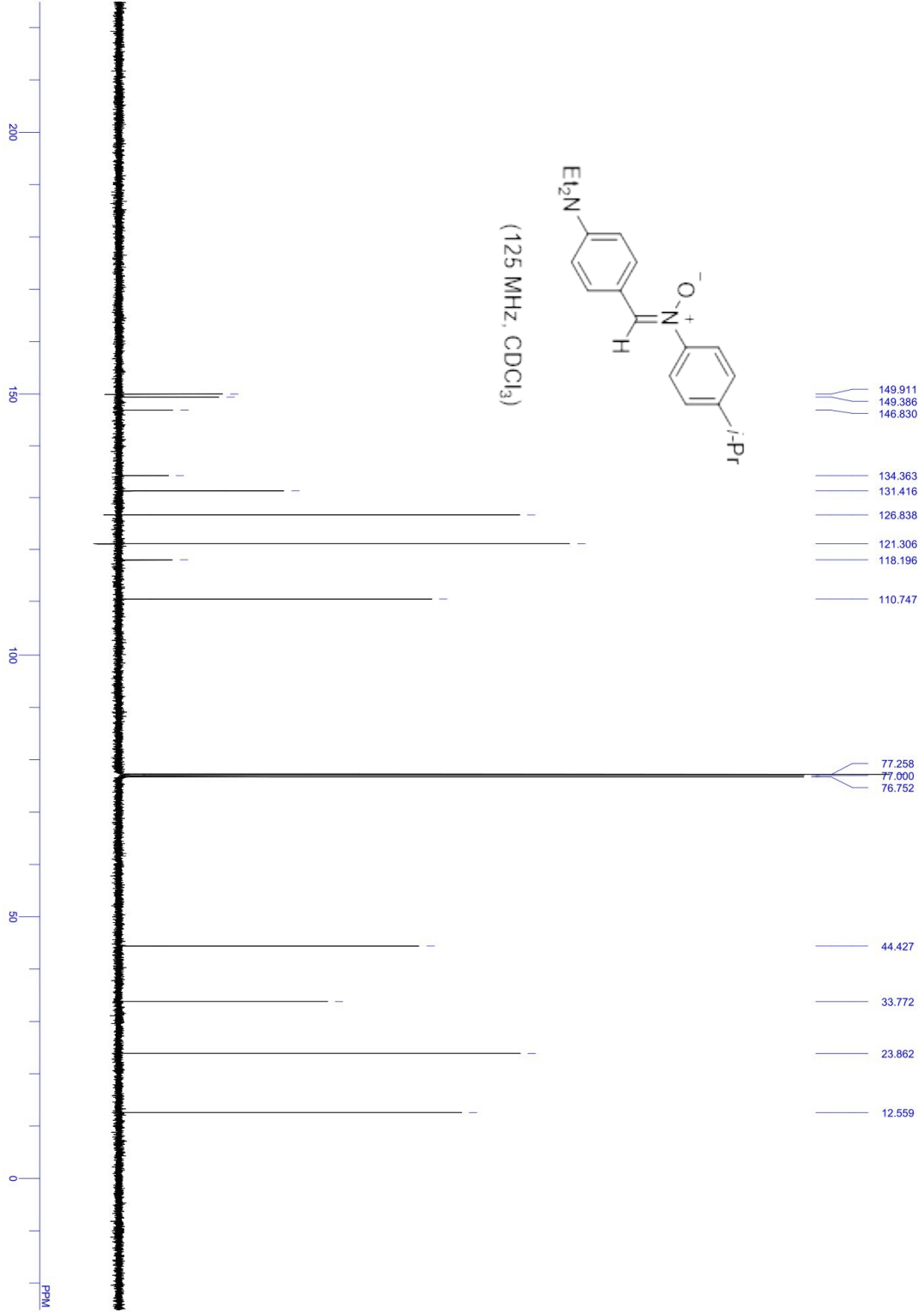
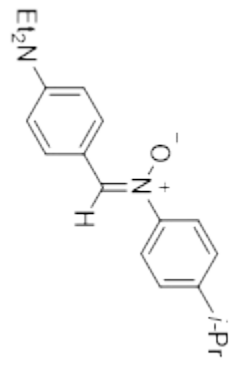


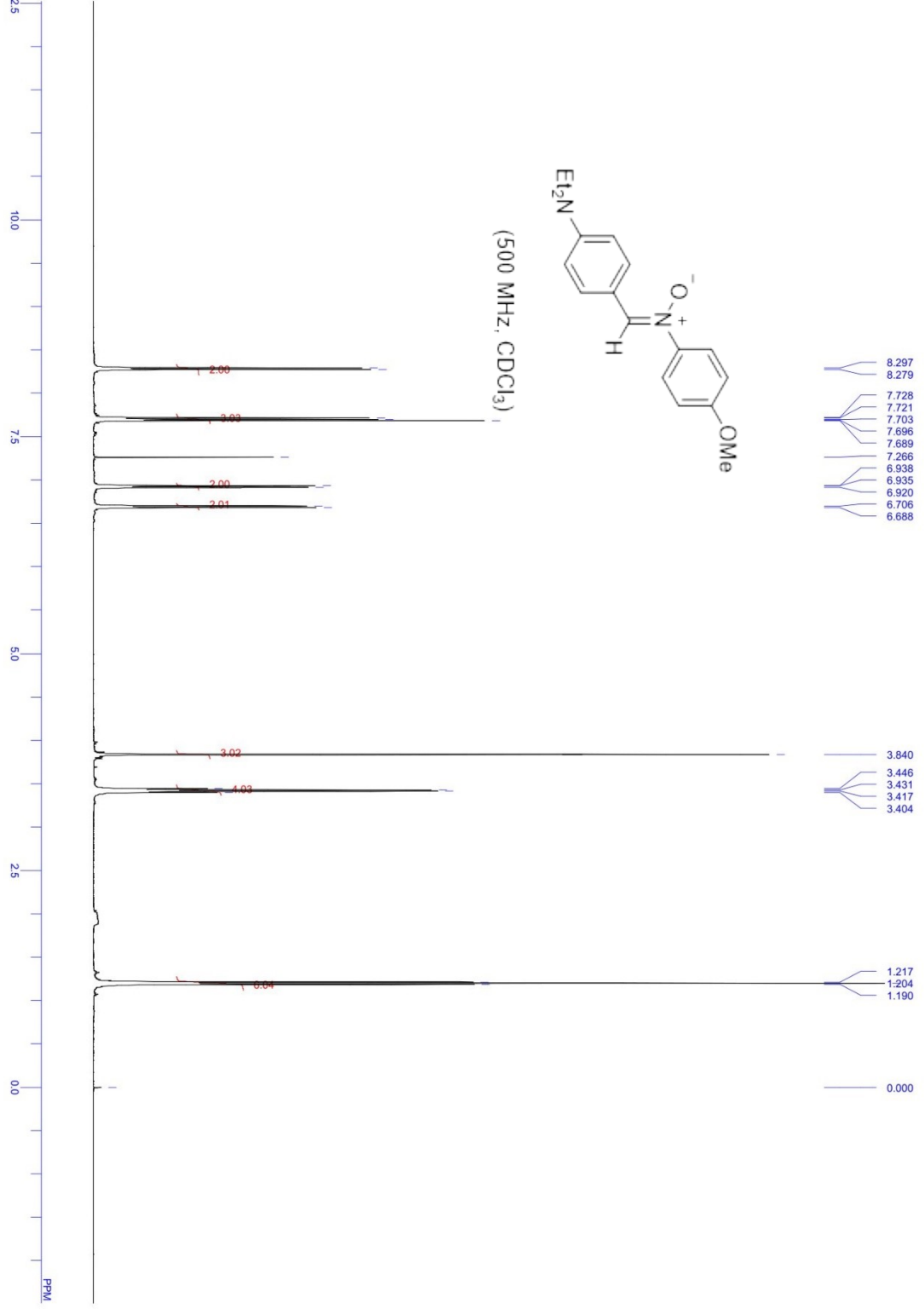
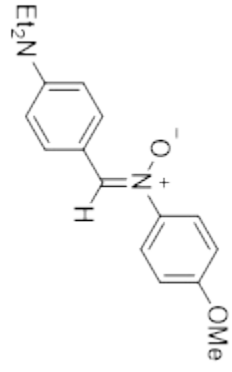


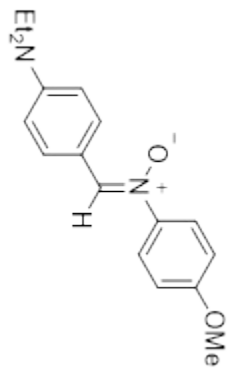




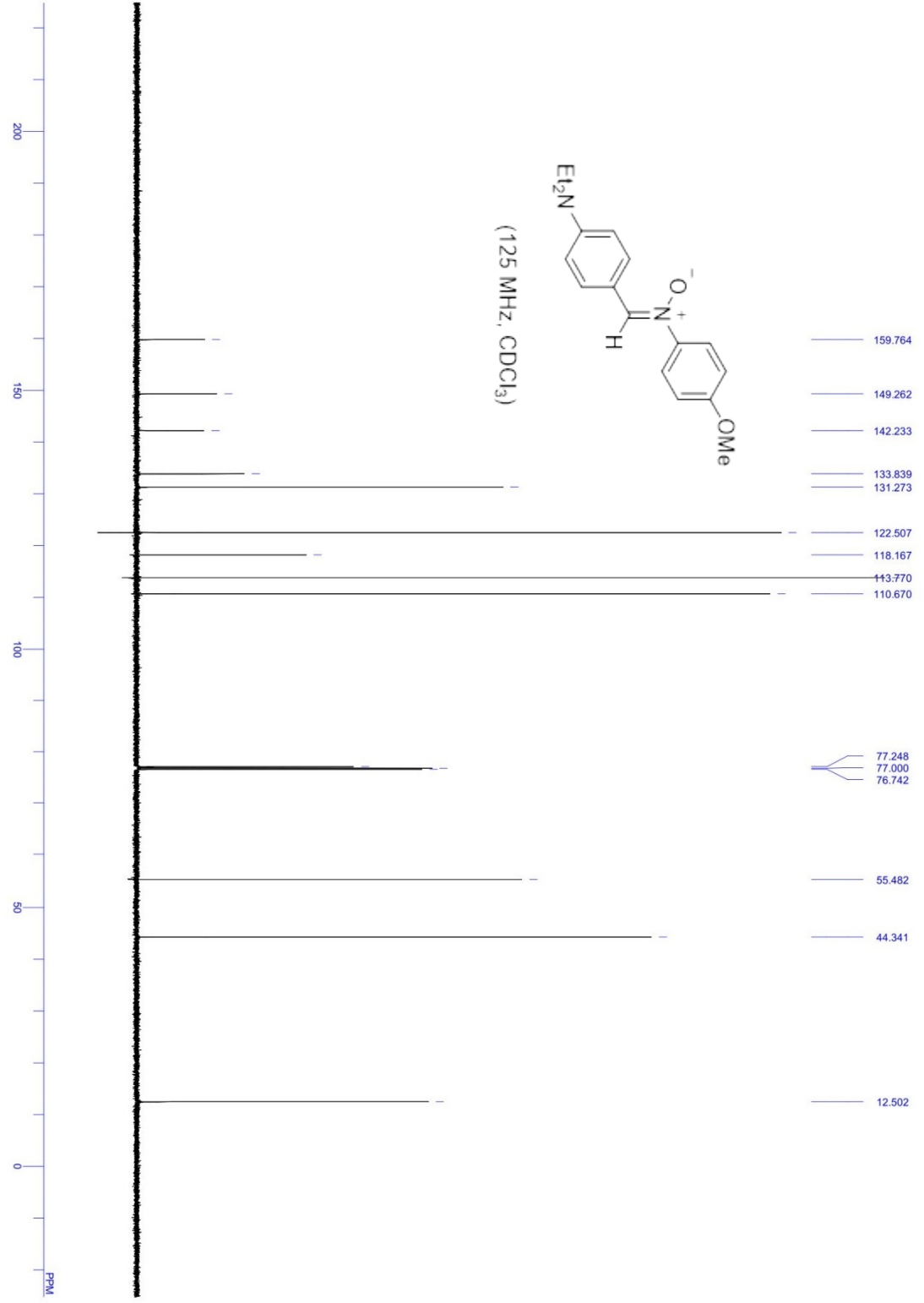


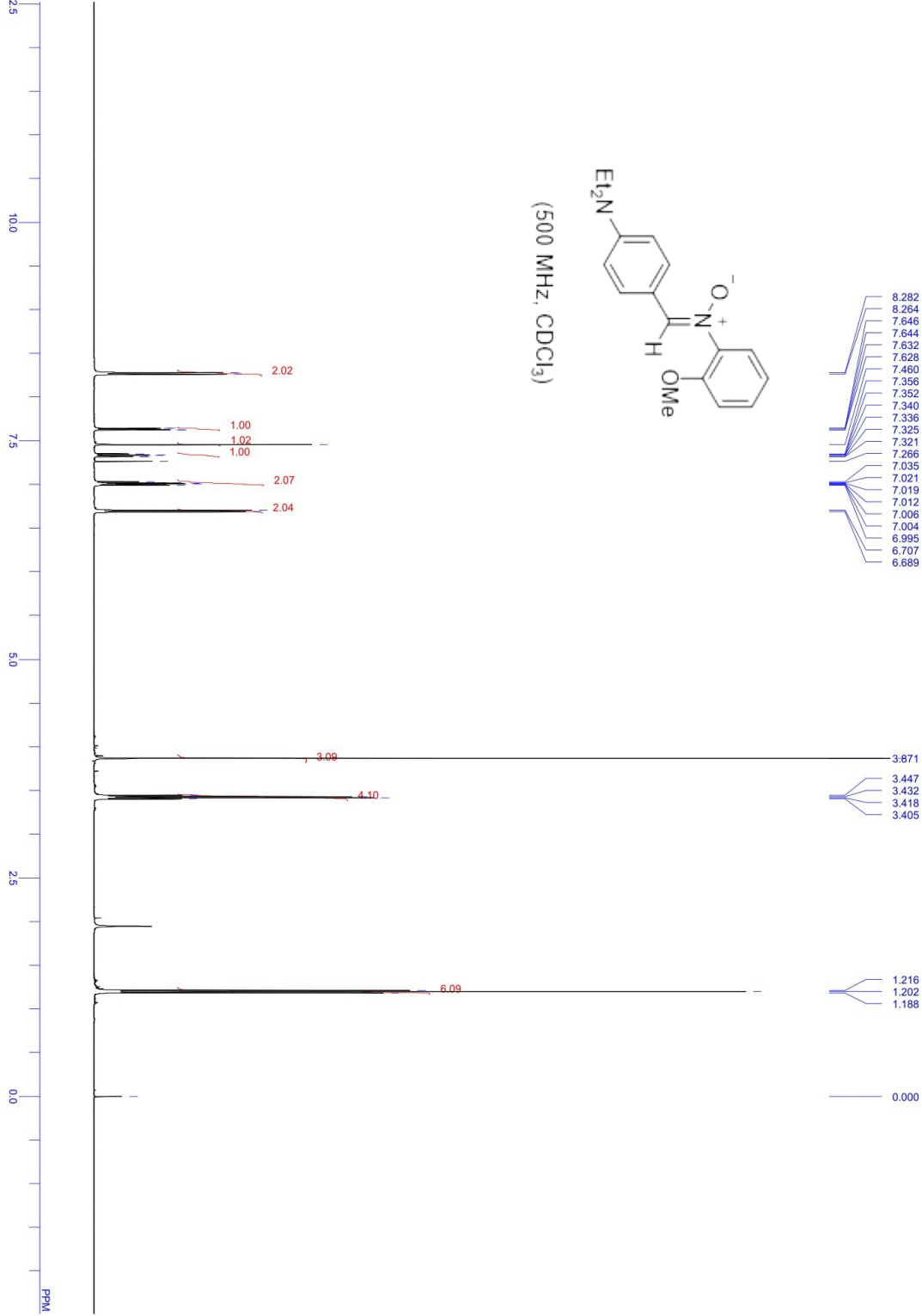
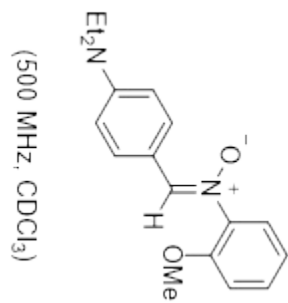


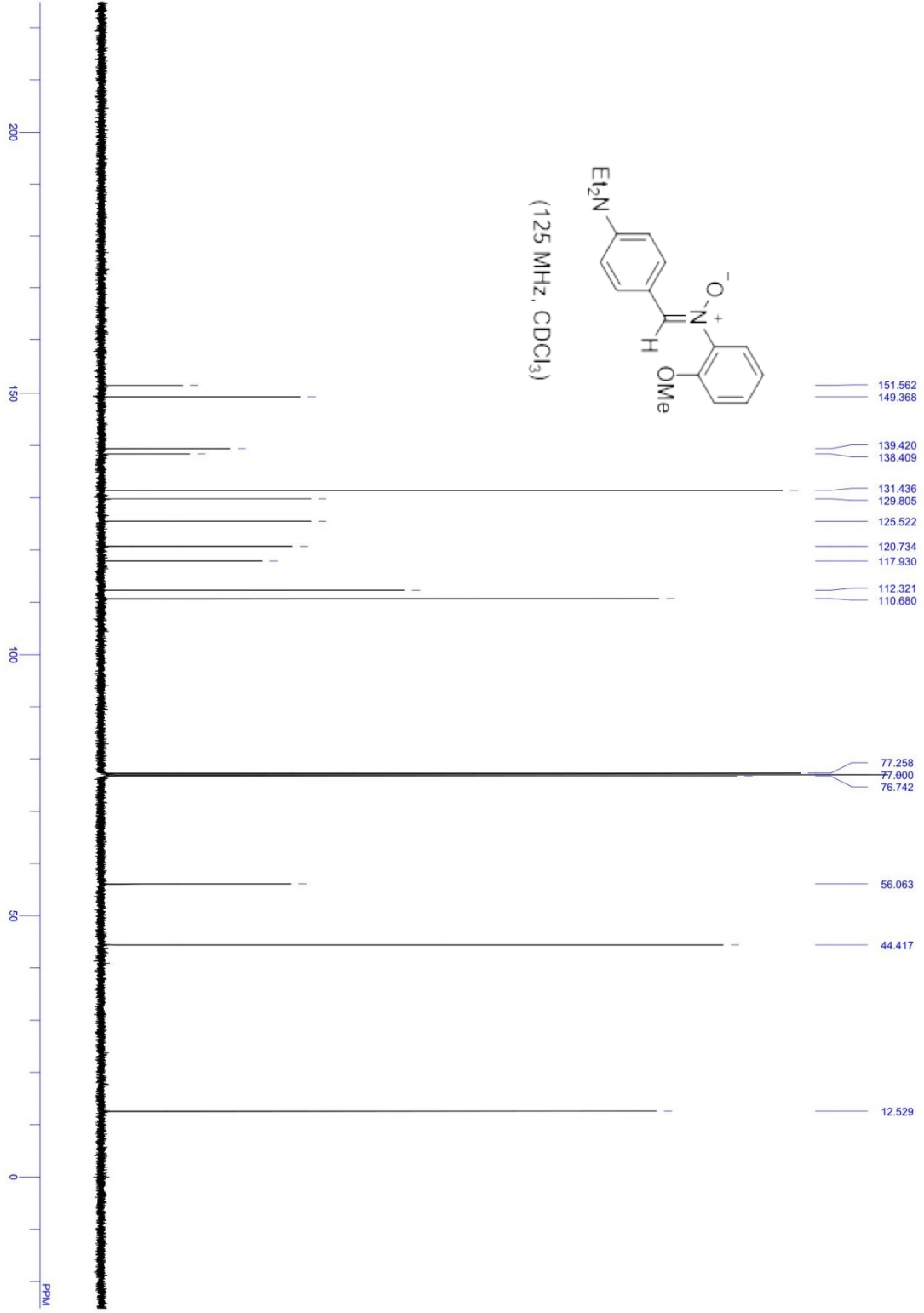
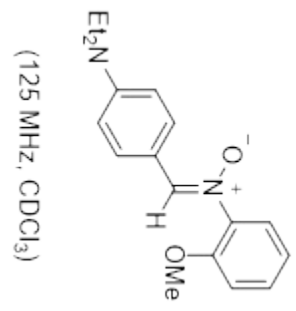


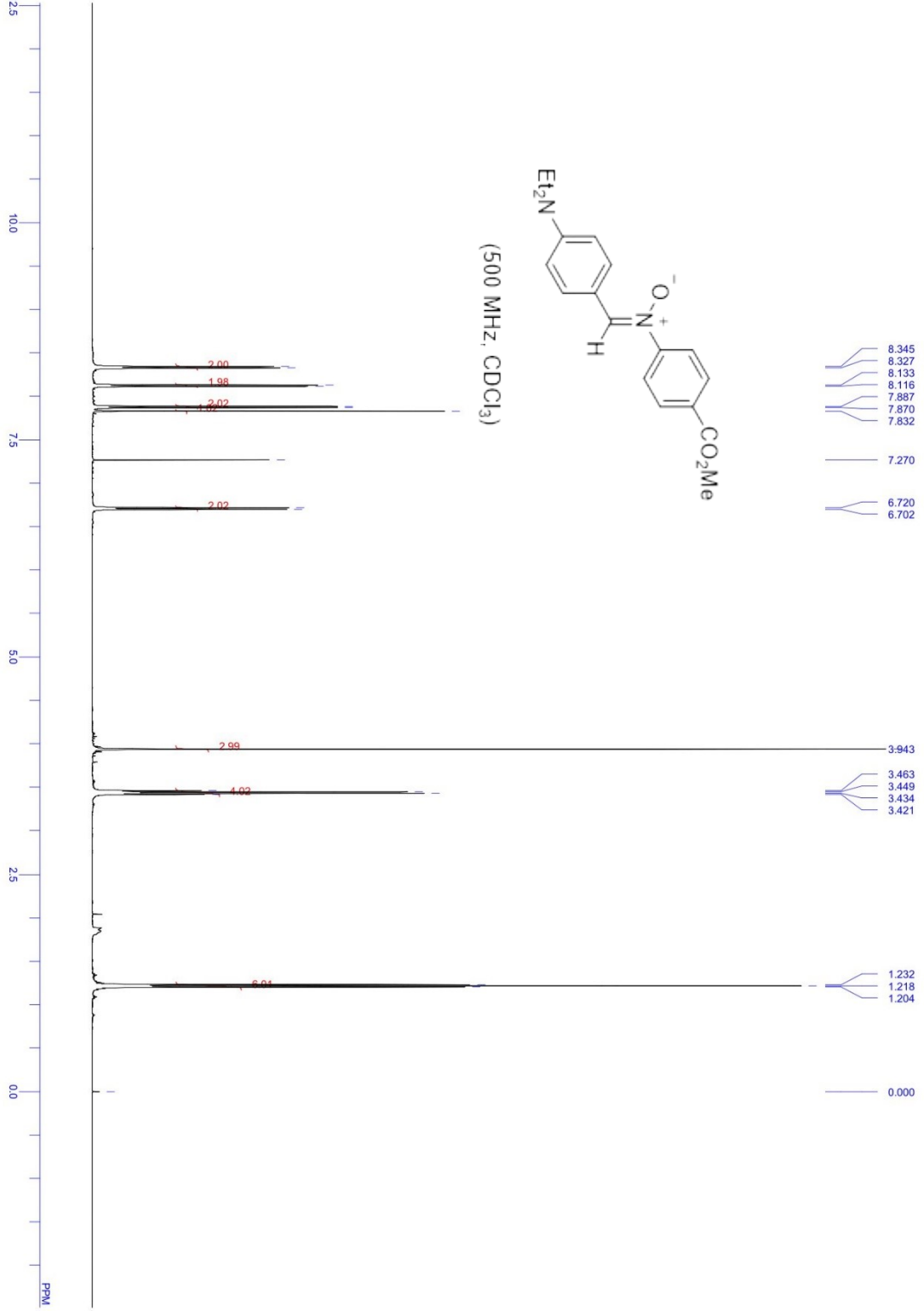
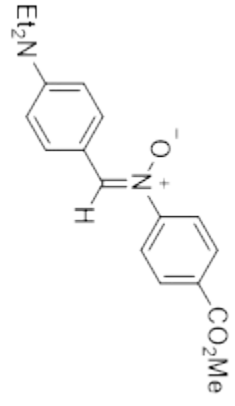


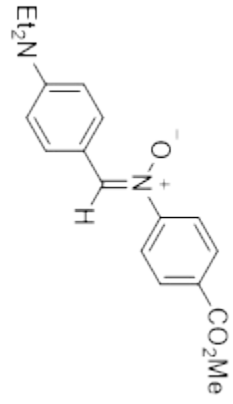
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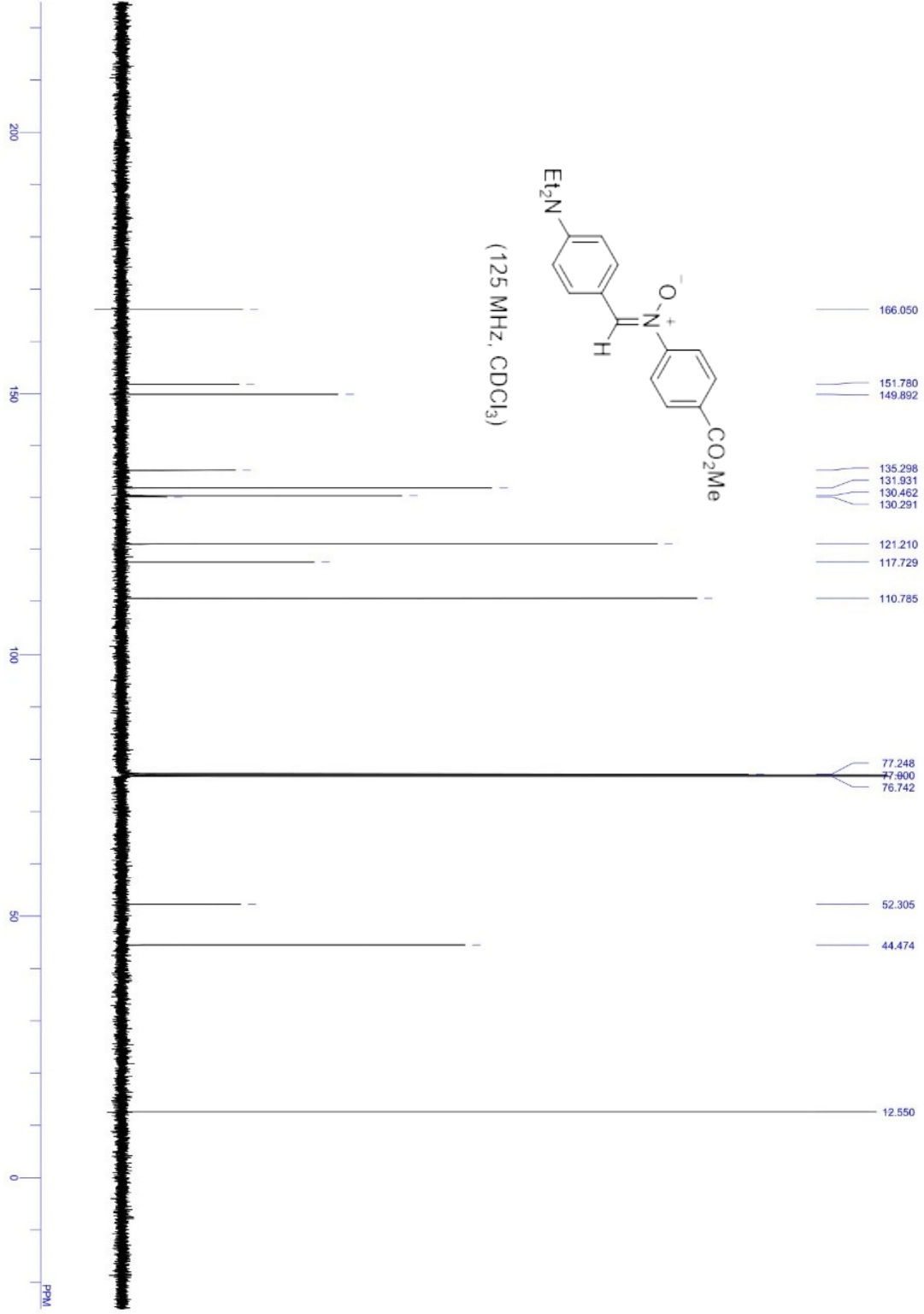


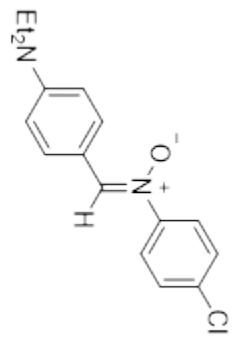




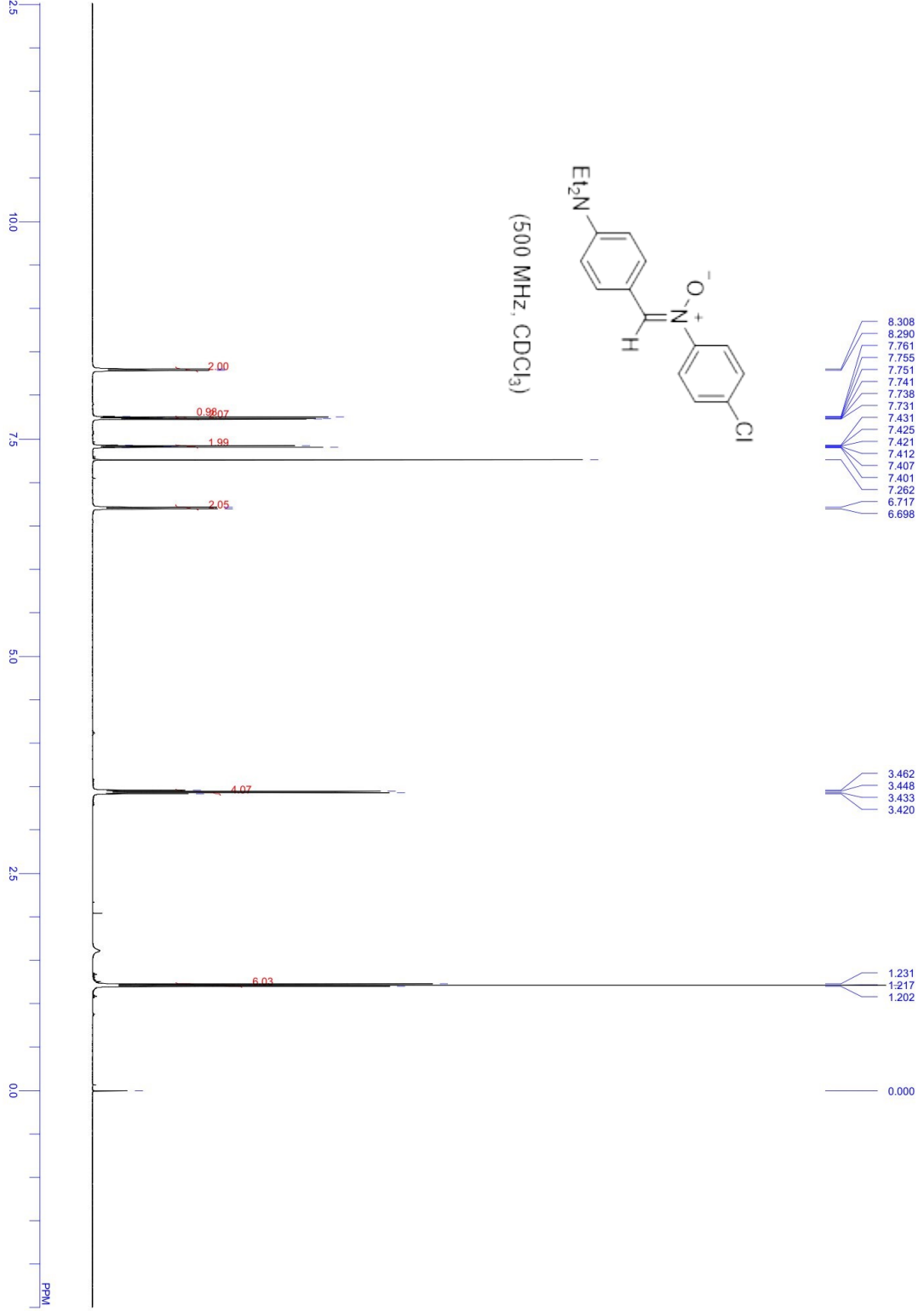


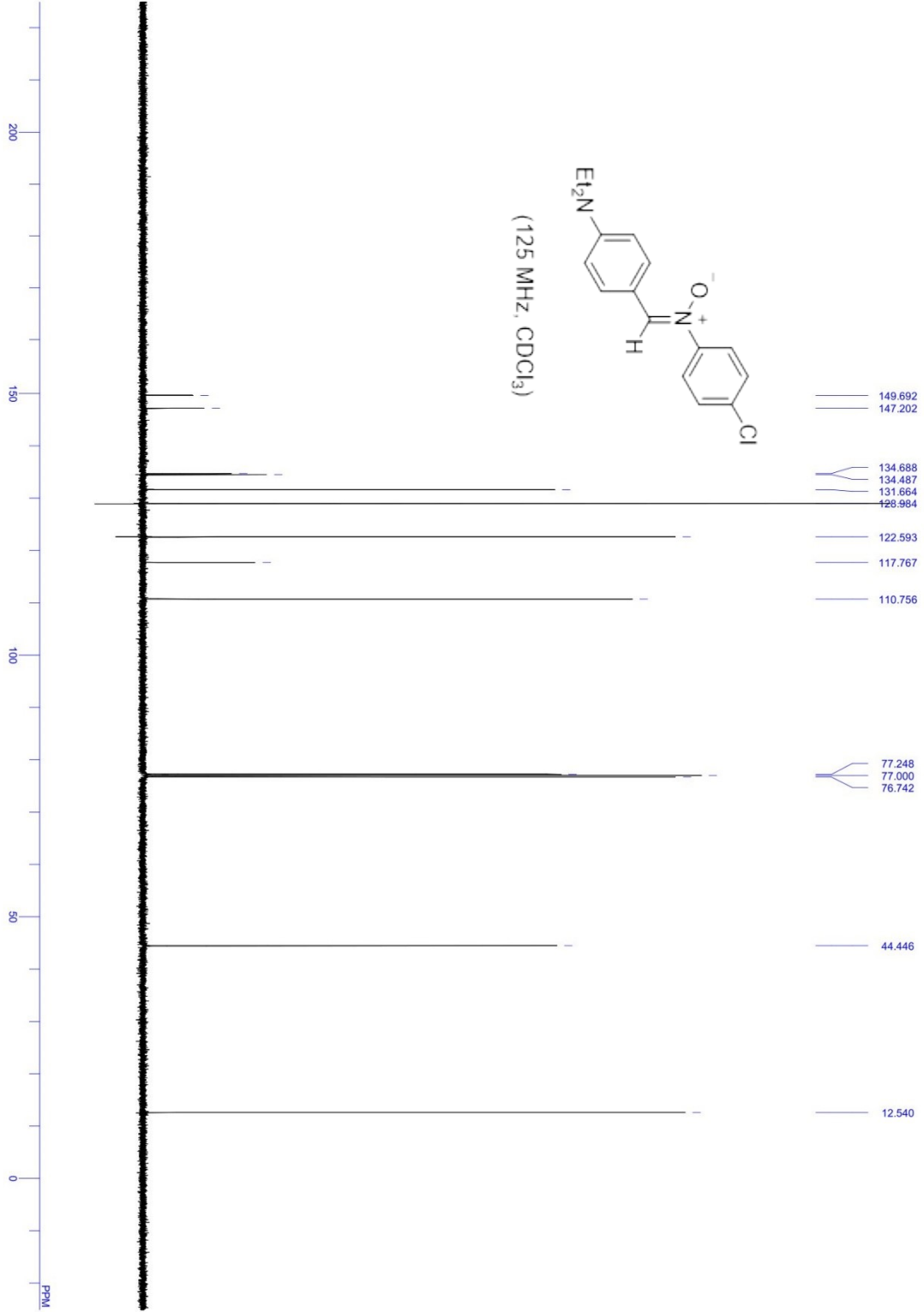
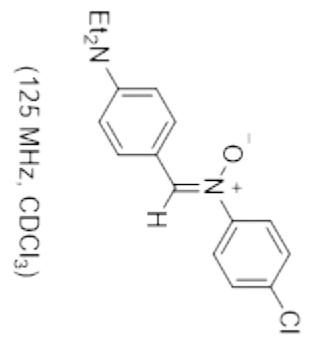
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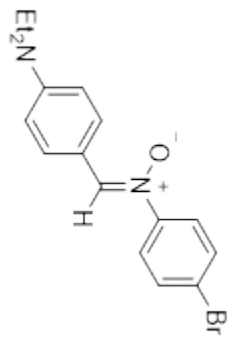




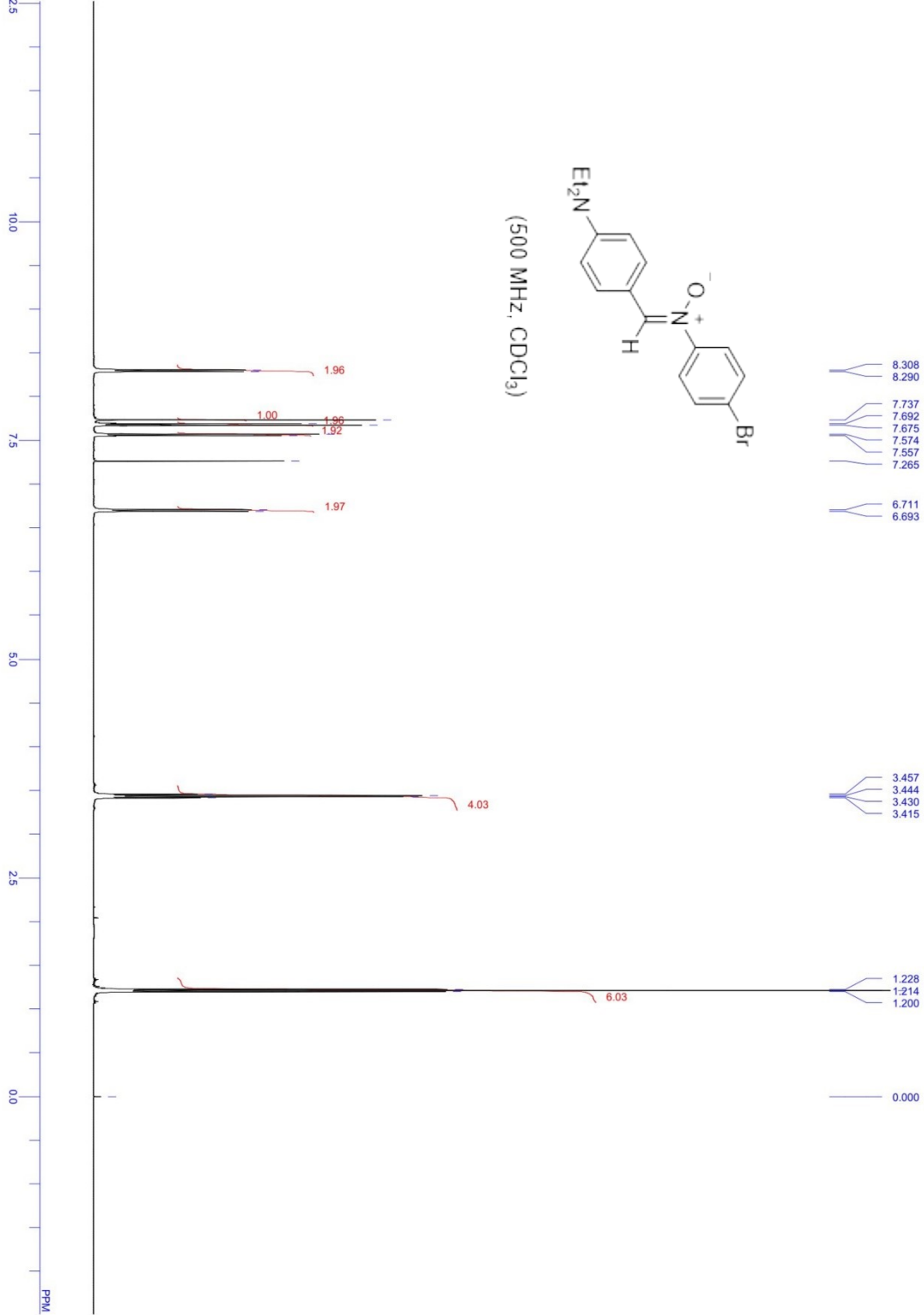
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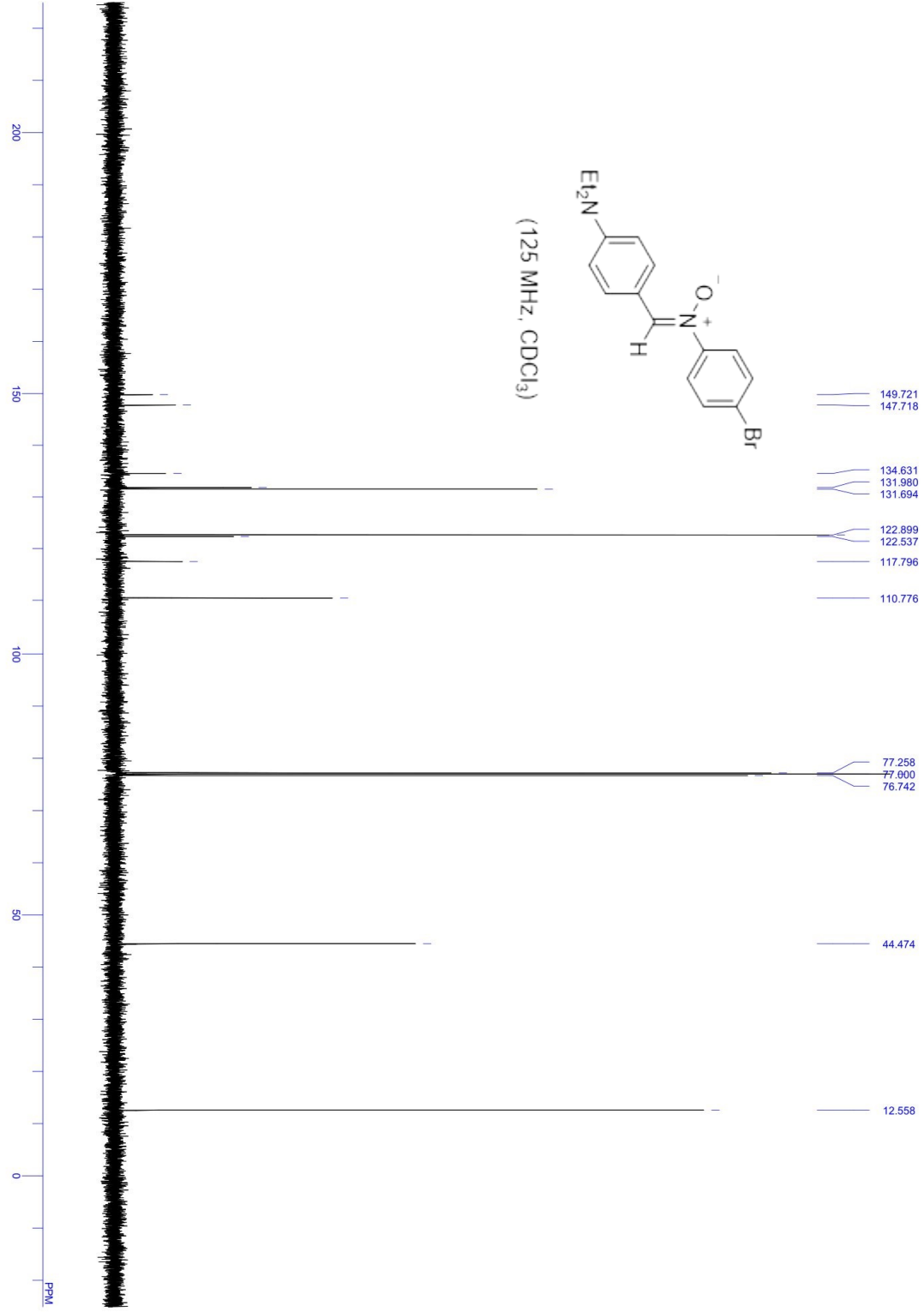
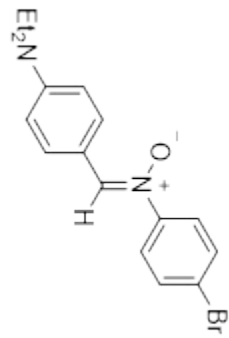




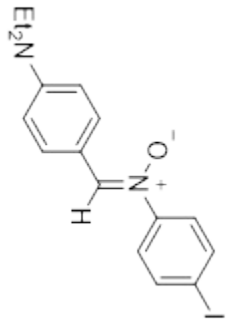


(500 MHz, CDCl₃)

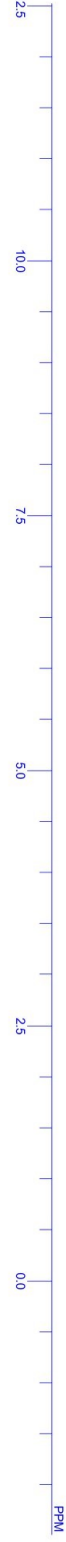




8.306
8.286
7.775
7.764
7.760
7.736
7.563
7.558
7.545
7.540
7.535
7.264
6.709
6.690



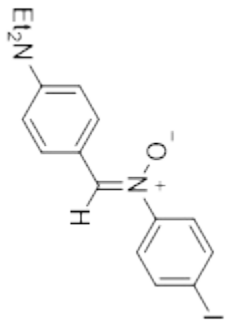
(500 MHz, CDCl₃)



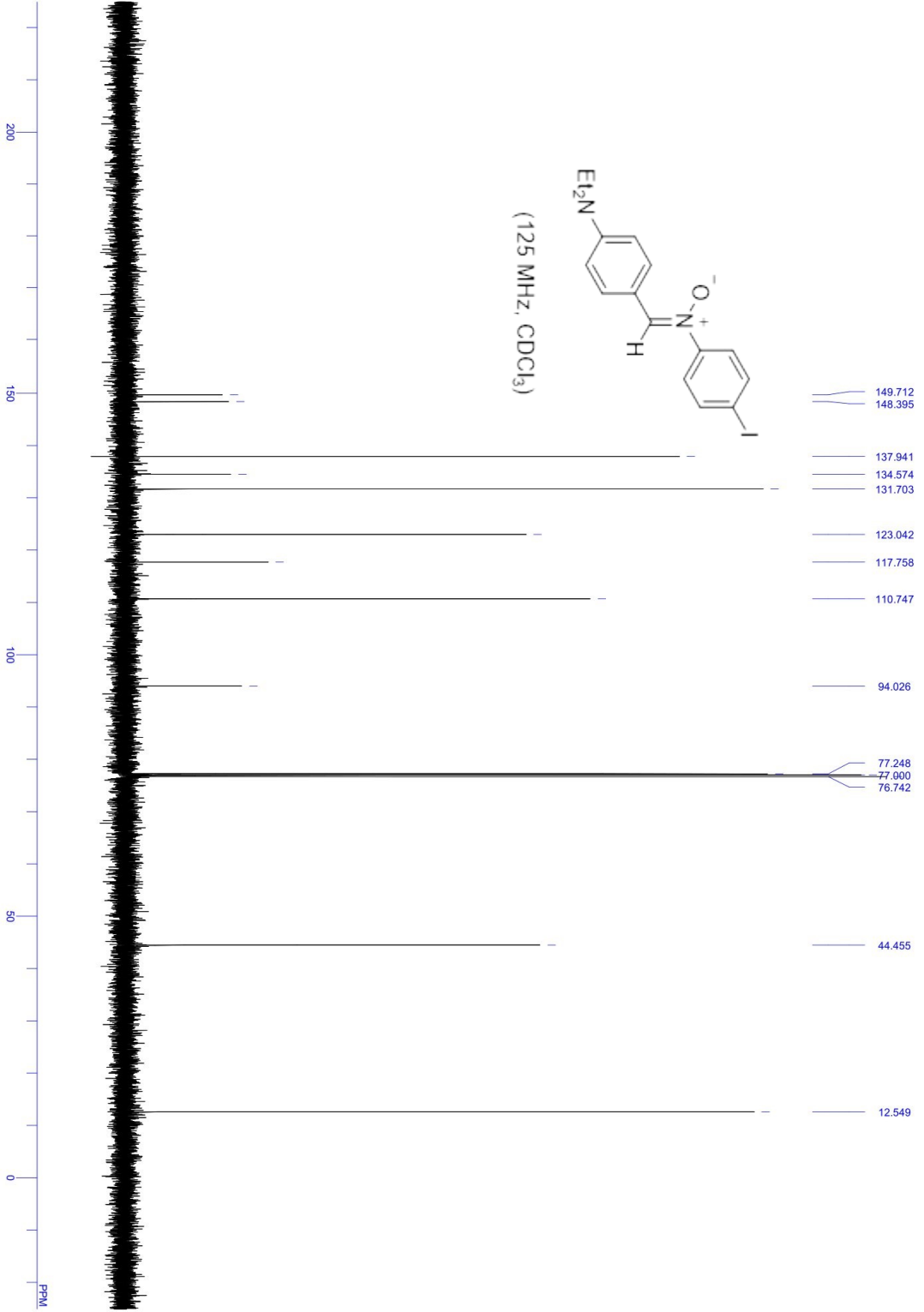
3.456
3.442
3.428
3.414

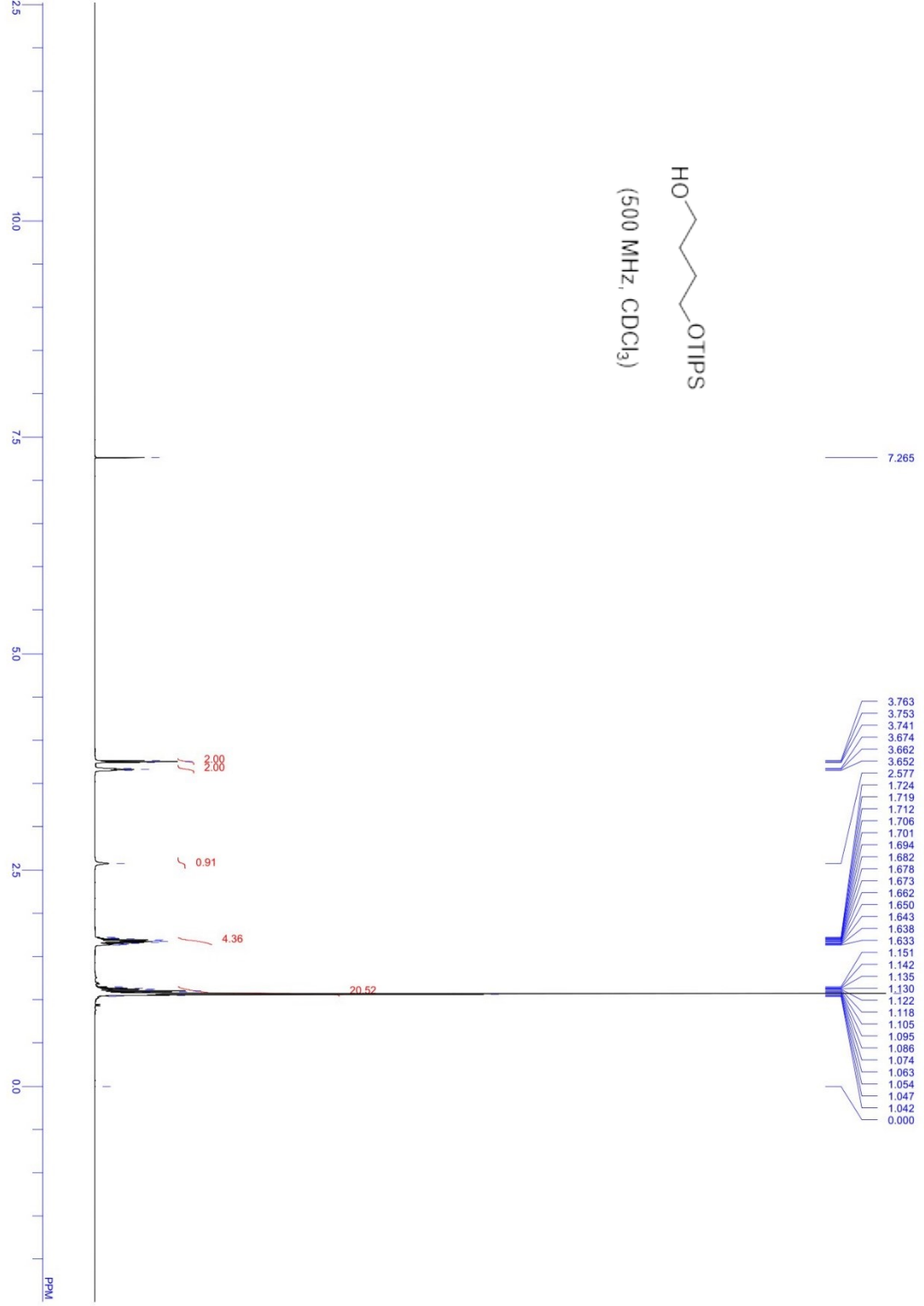
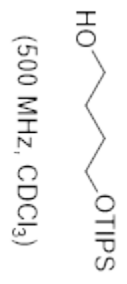
1.226
1.213
1.199

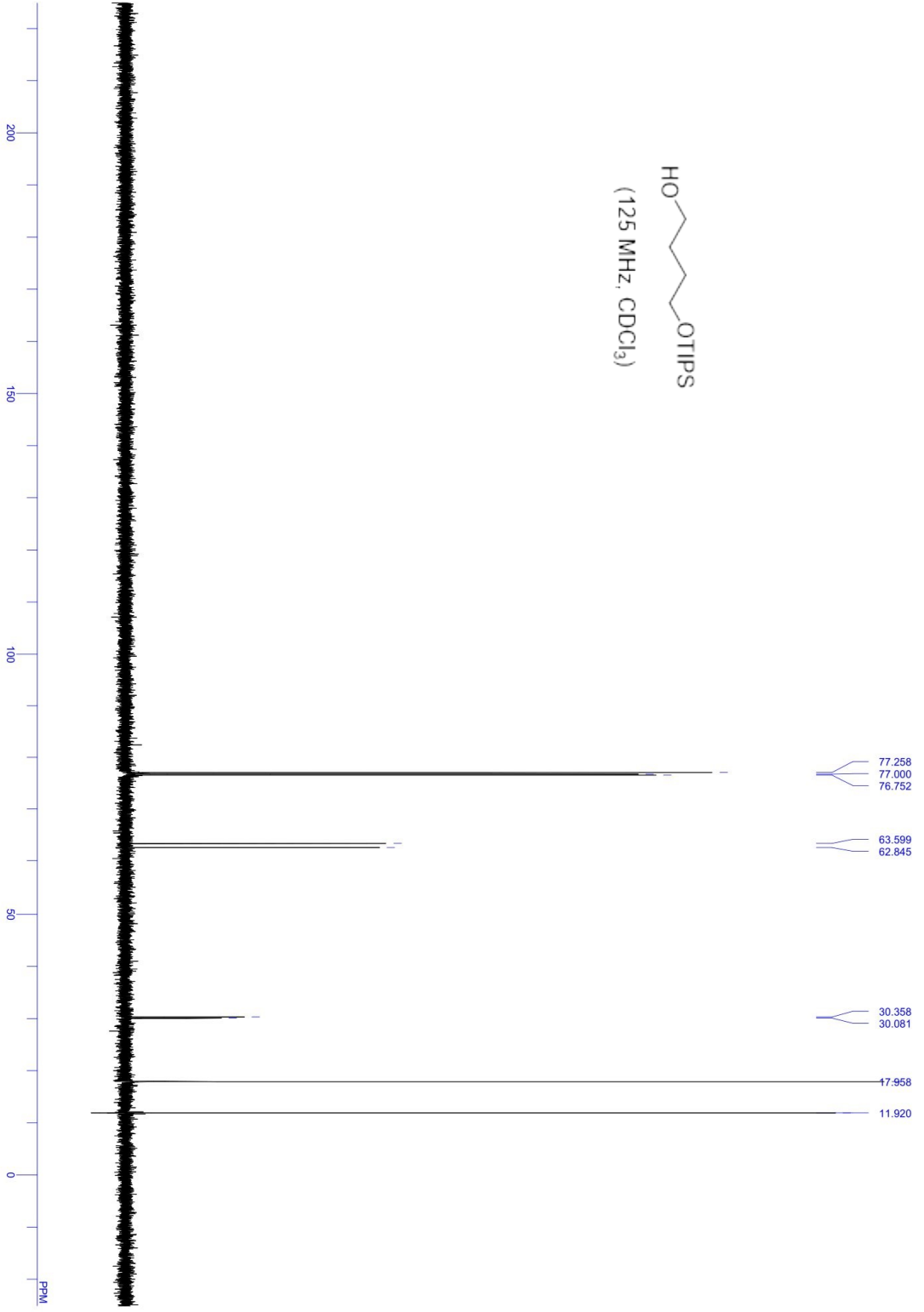
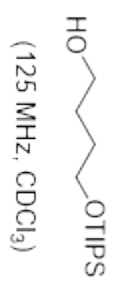
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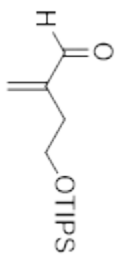


(125 MHz, CDCl₃)

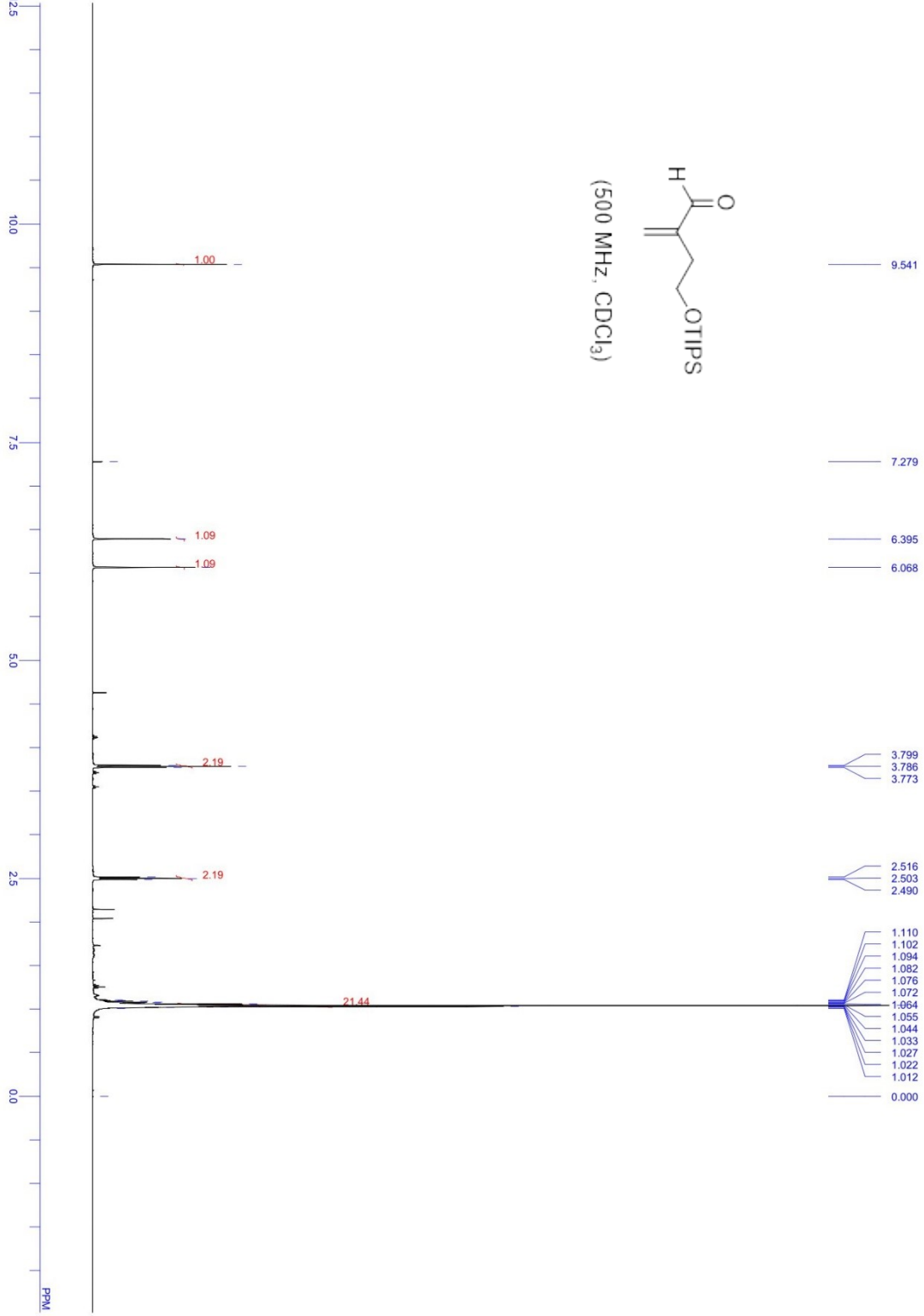


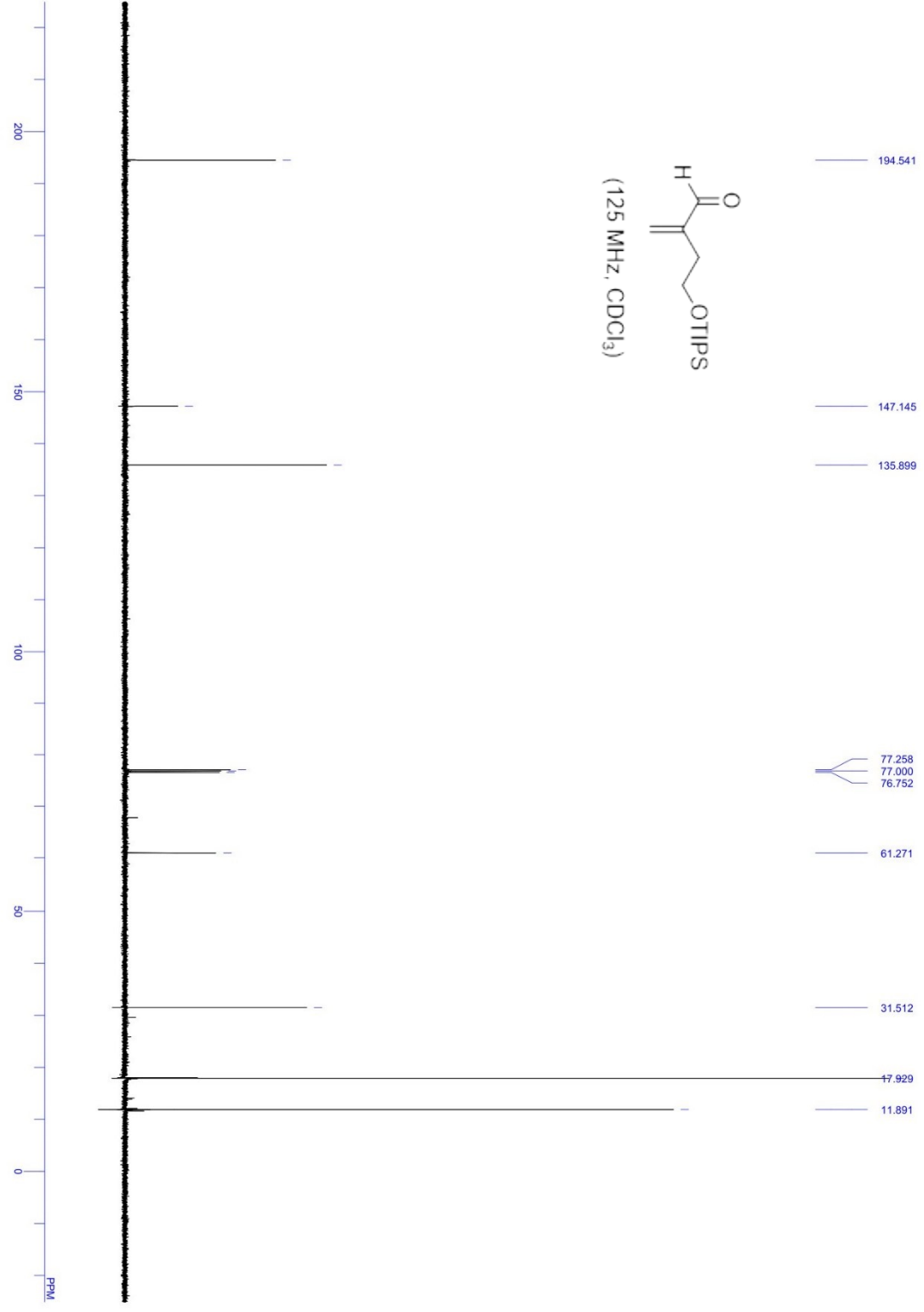
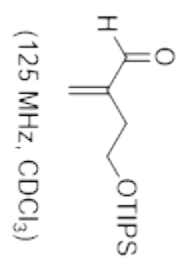


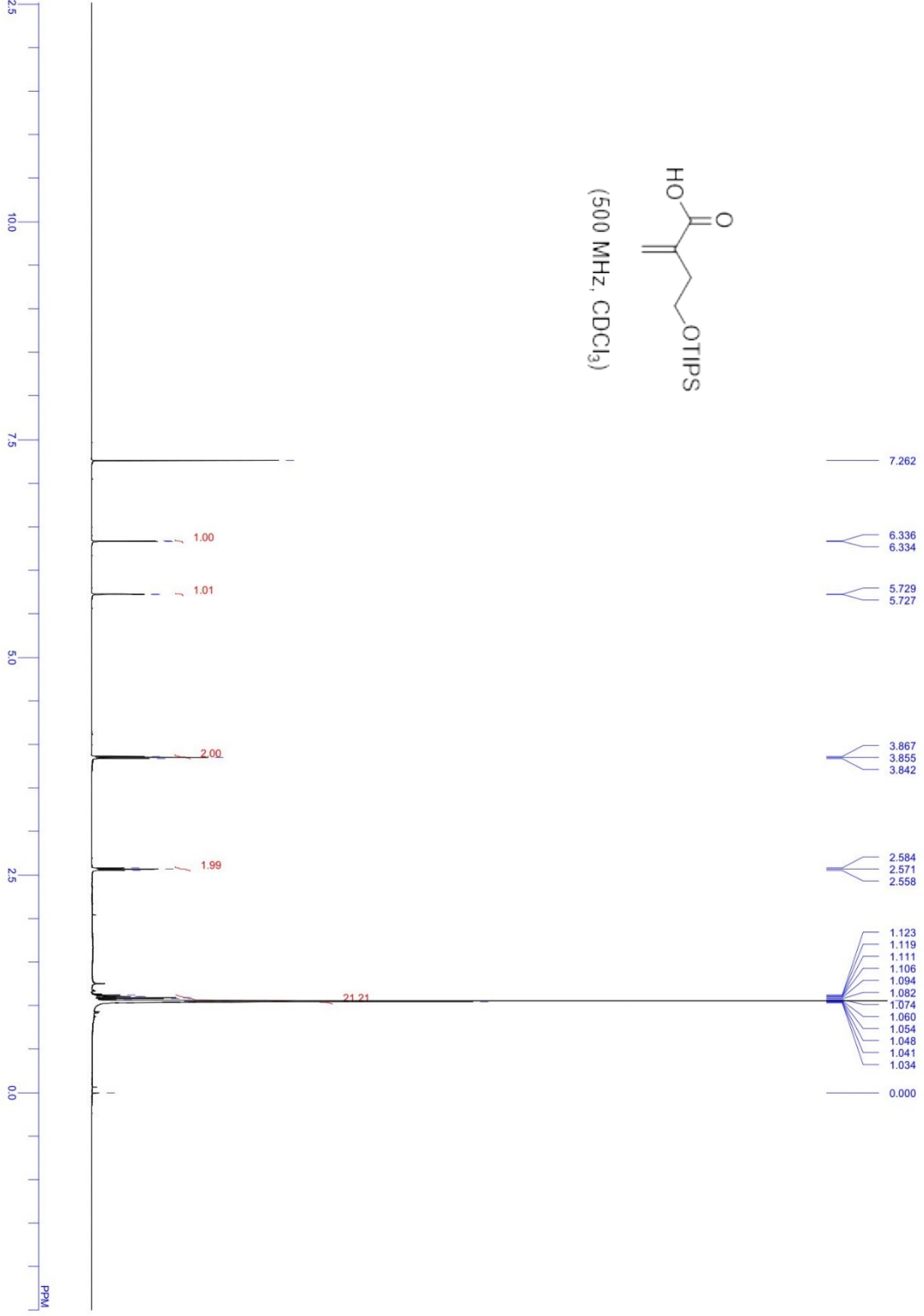
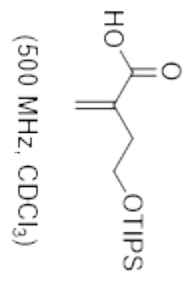


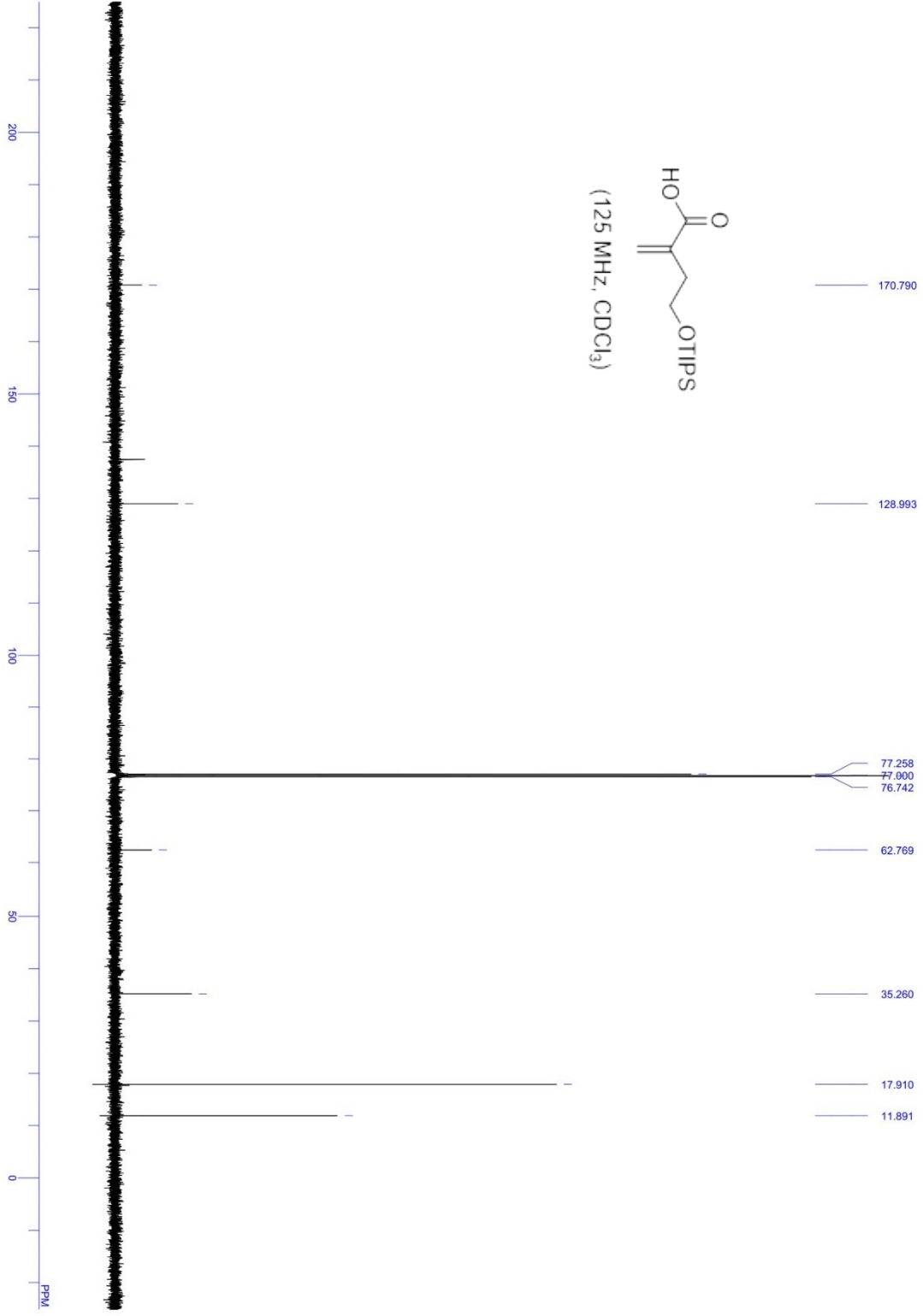
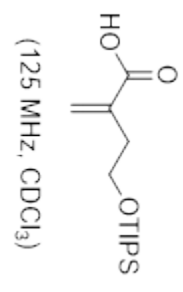


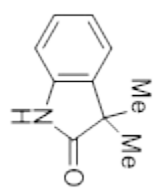
(500 MHz, CDCl₃)



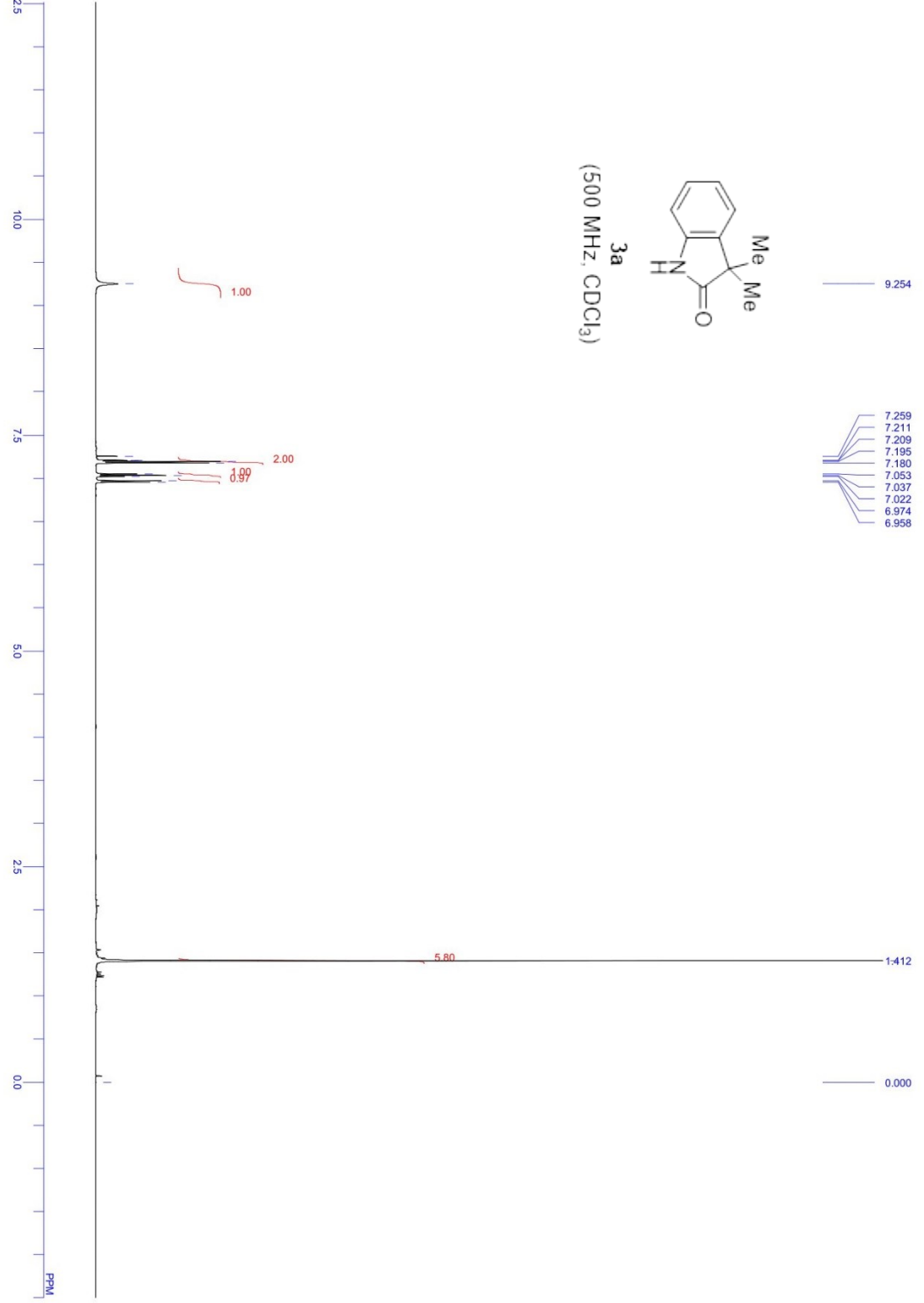


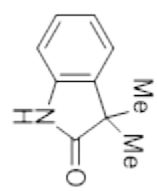




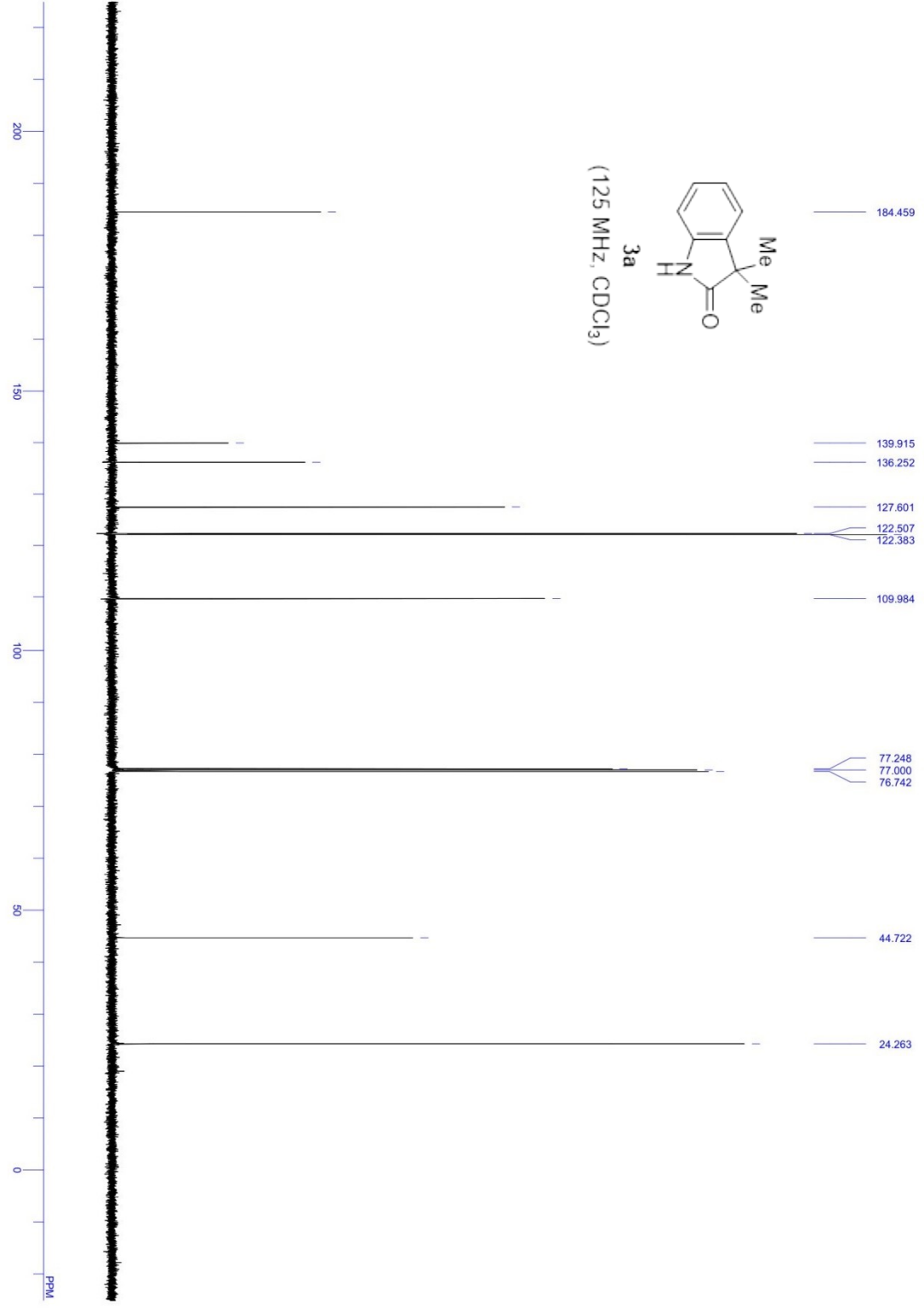


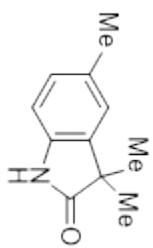
3a
(500 MHz, CDCl₃)



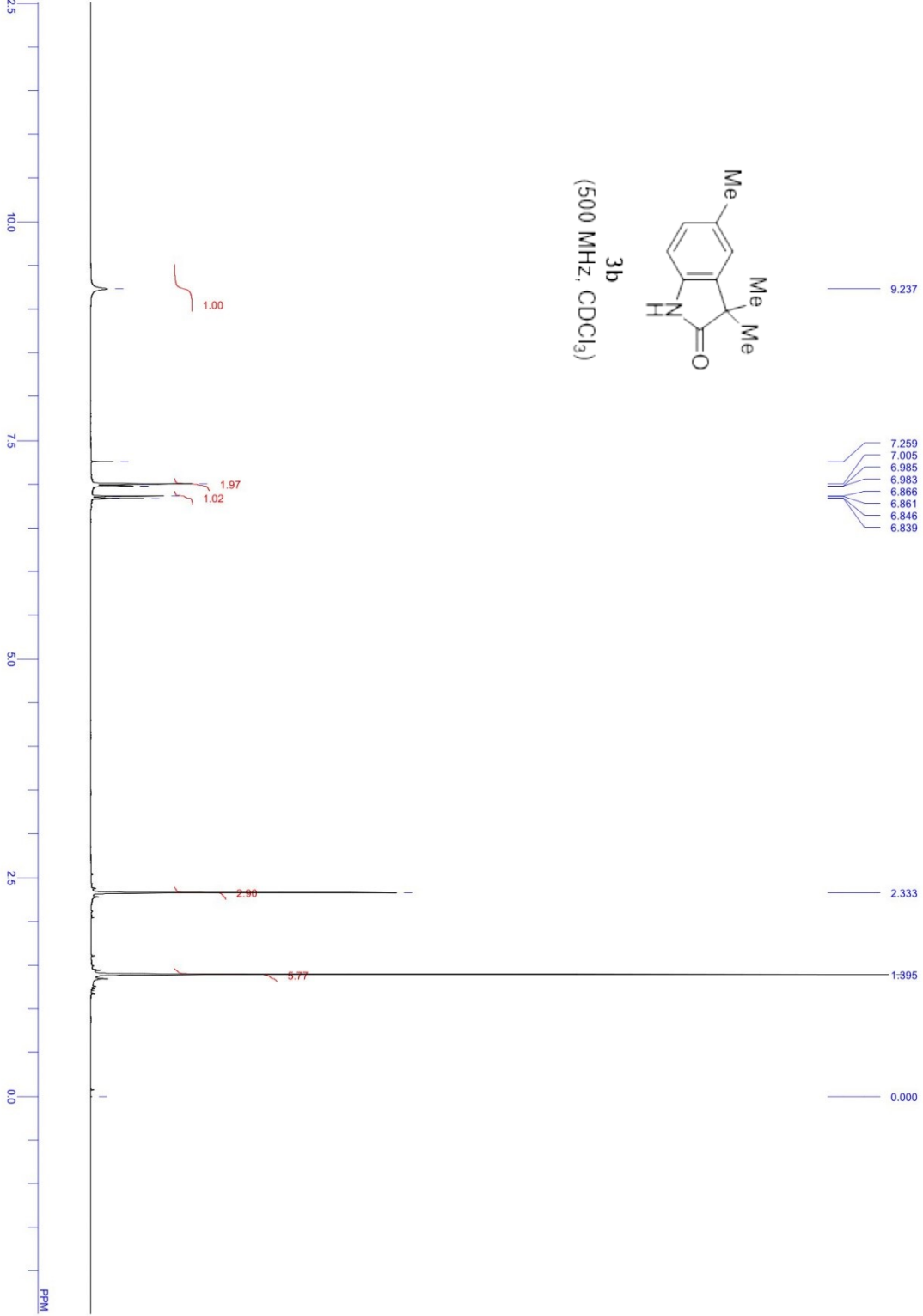


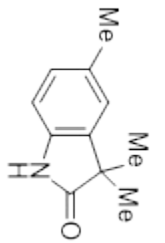
(125 MHz, CDCl₃)



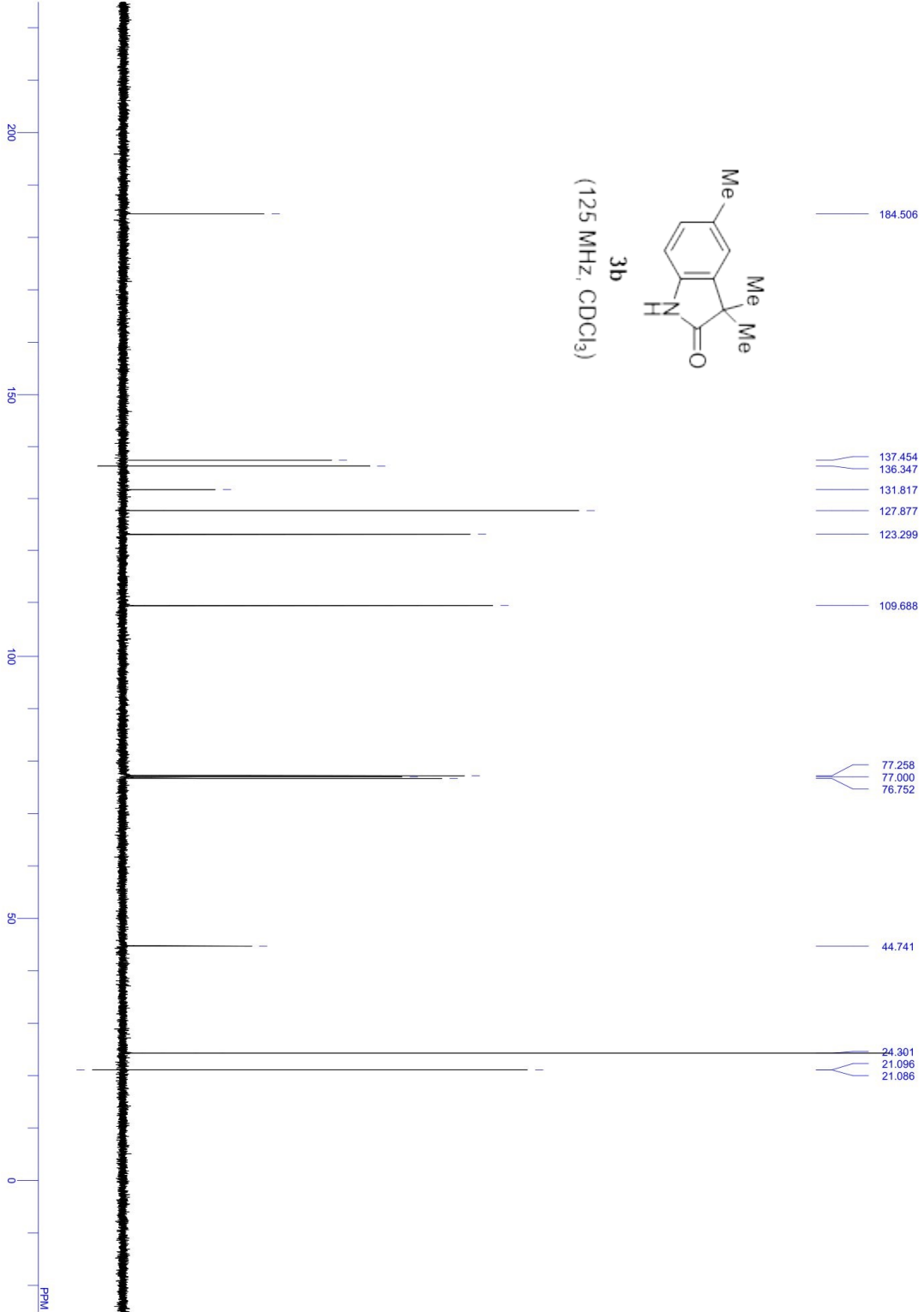


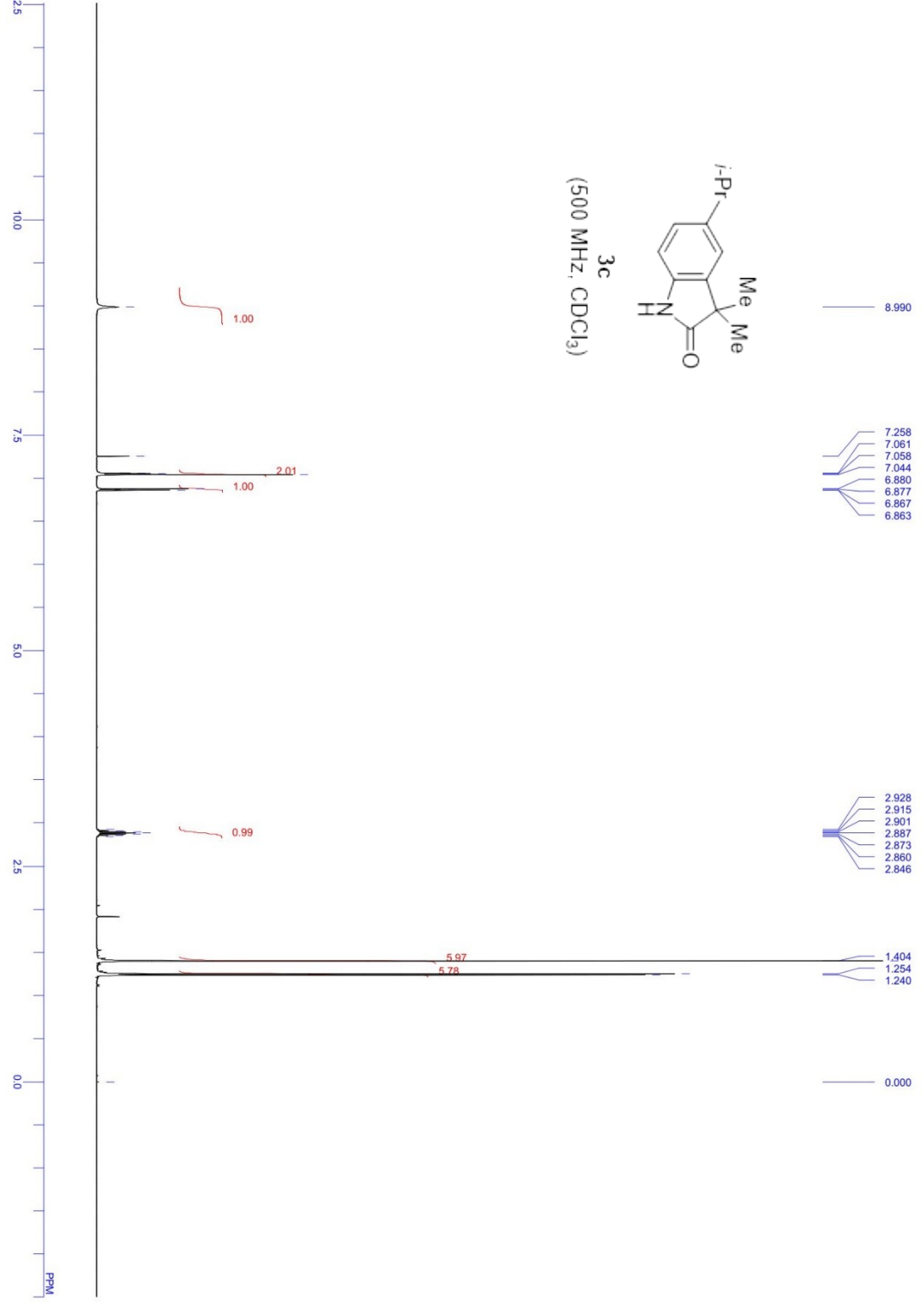
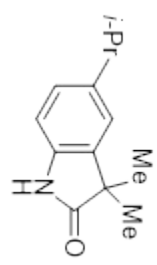
3b
(500 MHz, CDCl₃)

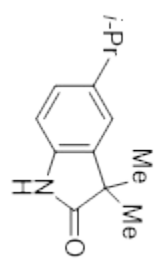




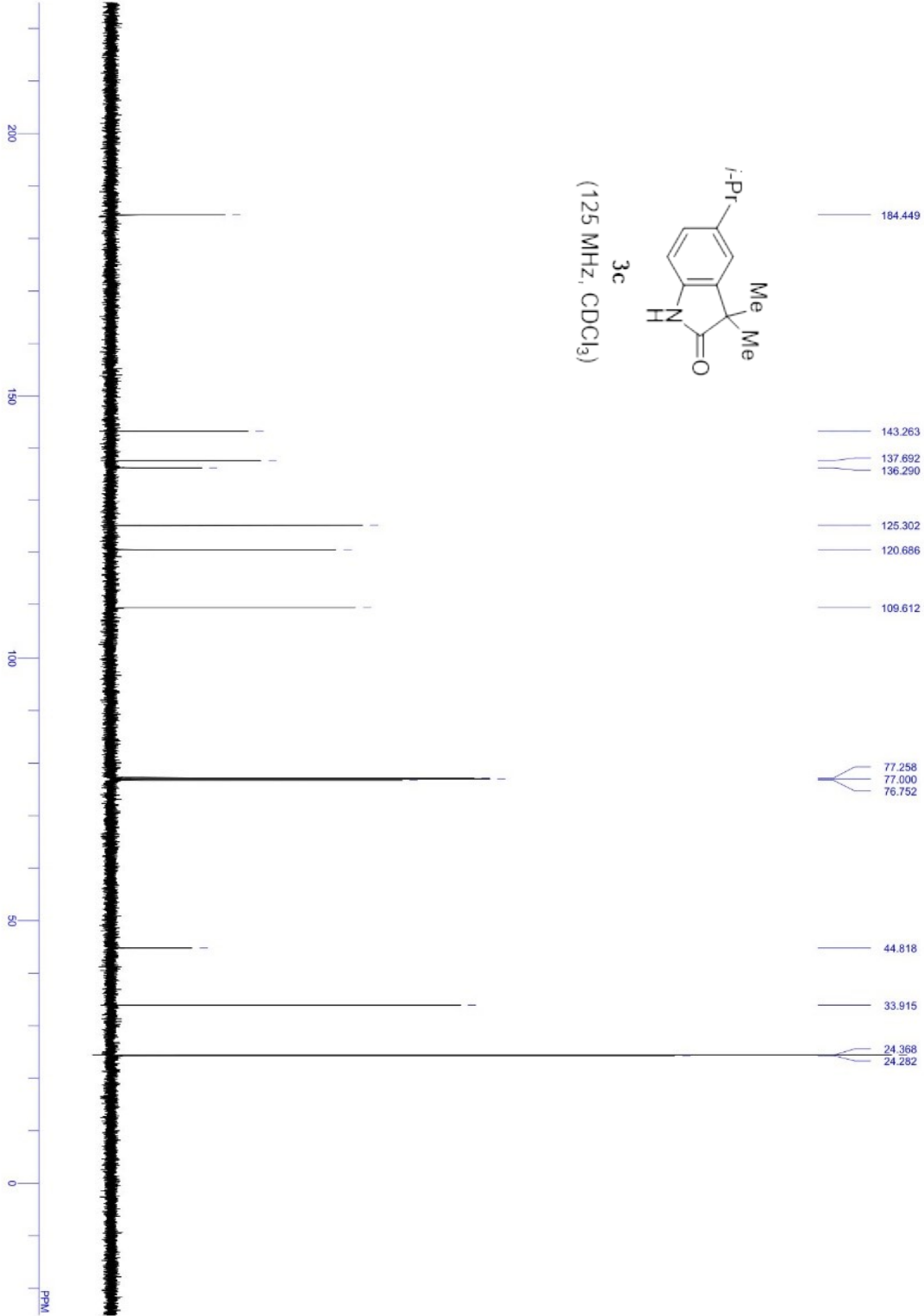
(125 MHz, CDCl₃)

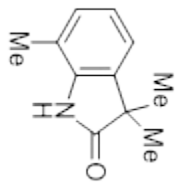




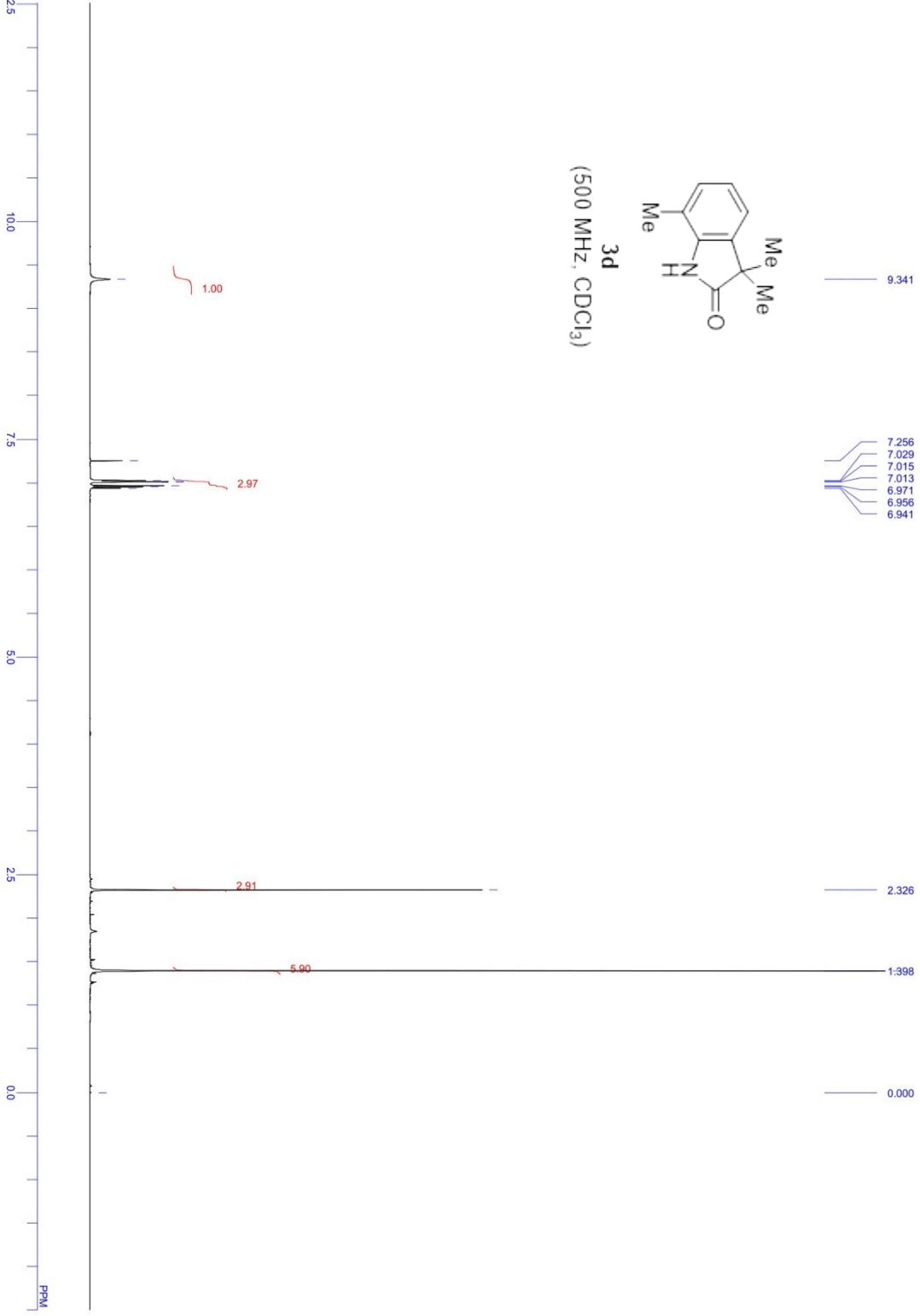


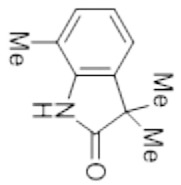
(125 MHz, CDCl₃)



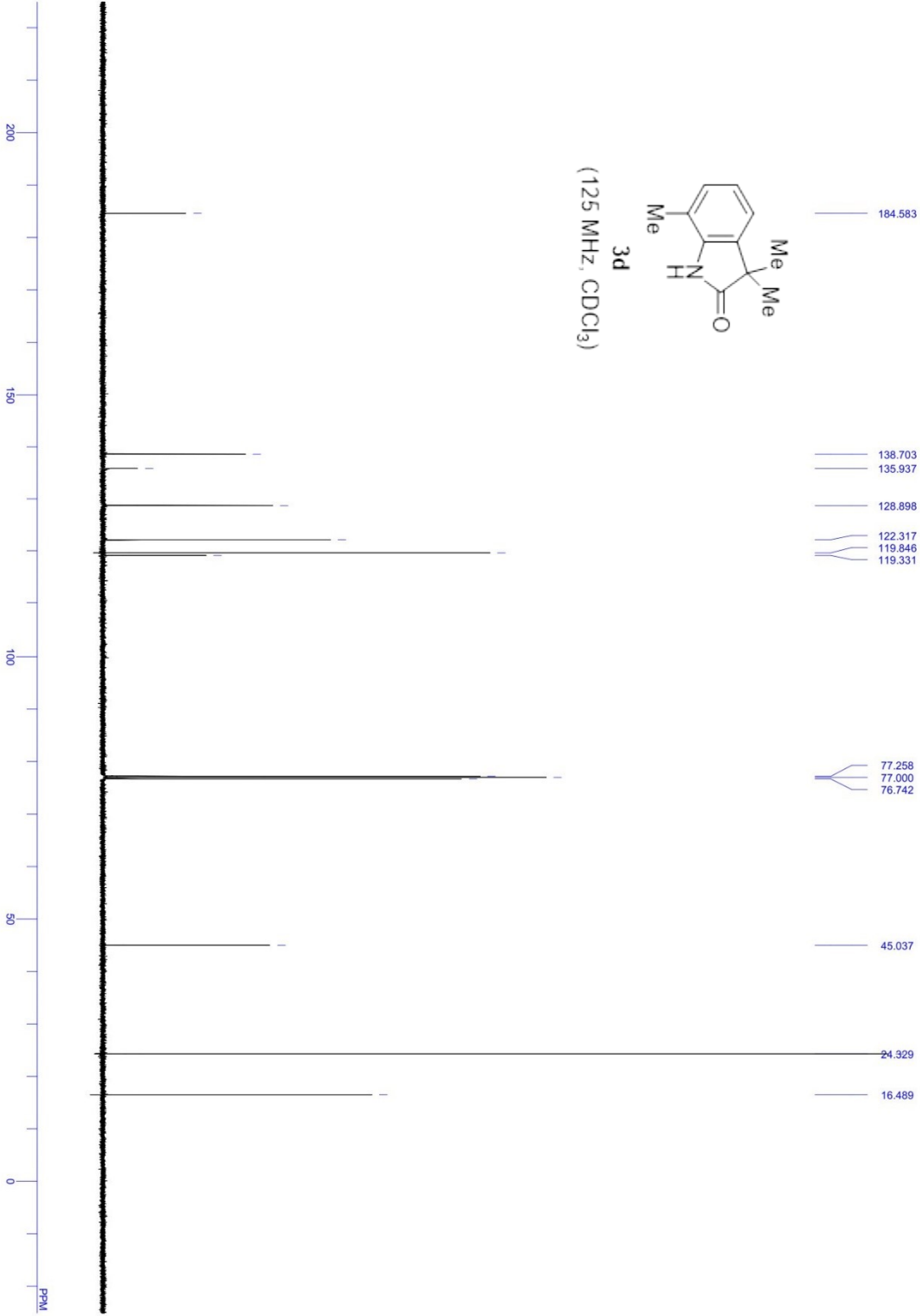


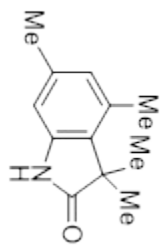
3d
(500 MHz, CDCl₃)



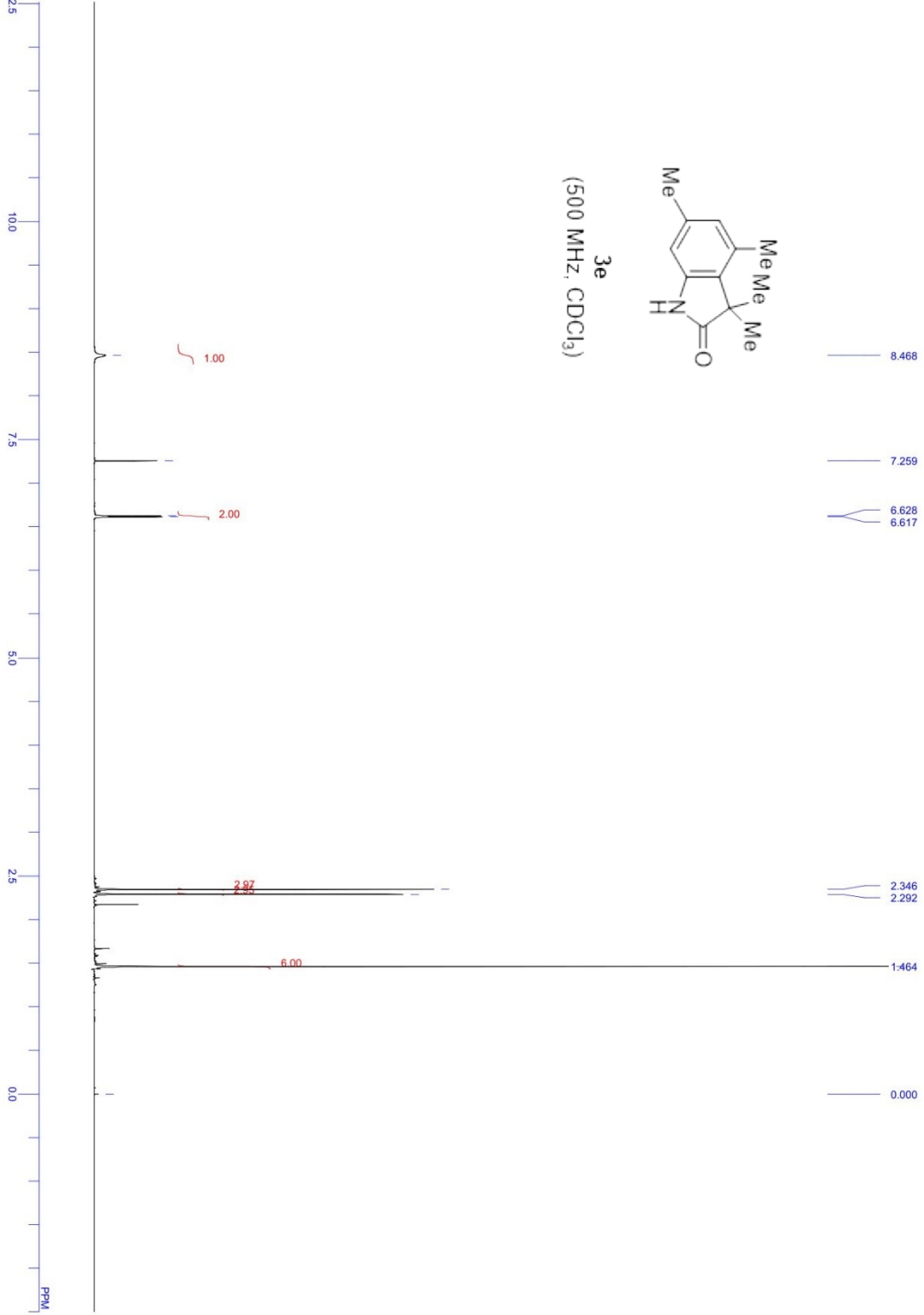


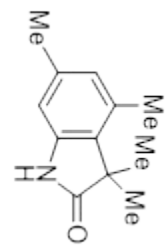
(125 MHz, CDCl₃)



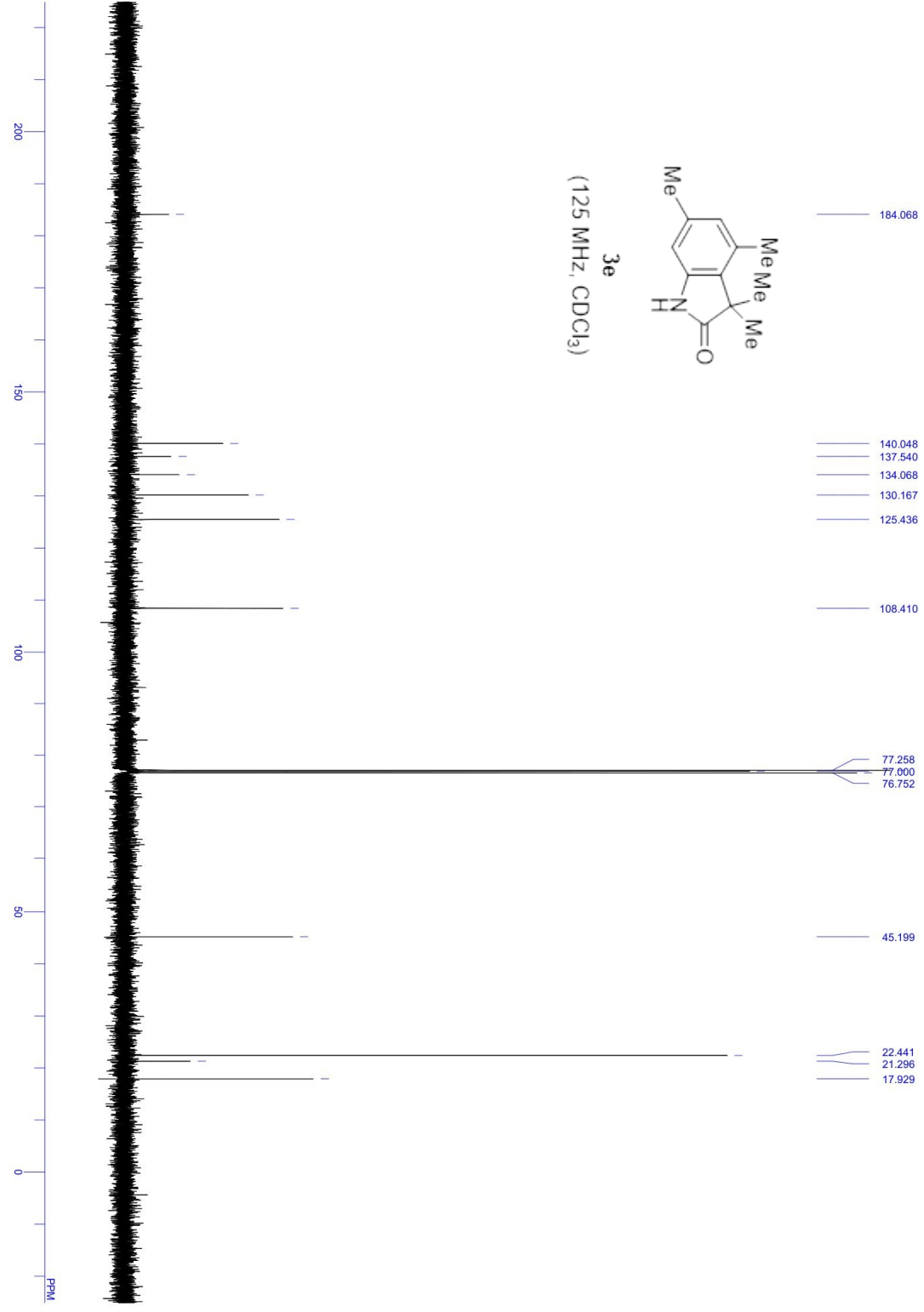


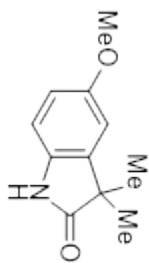
3e
(500 MHz, CDCl₃)



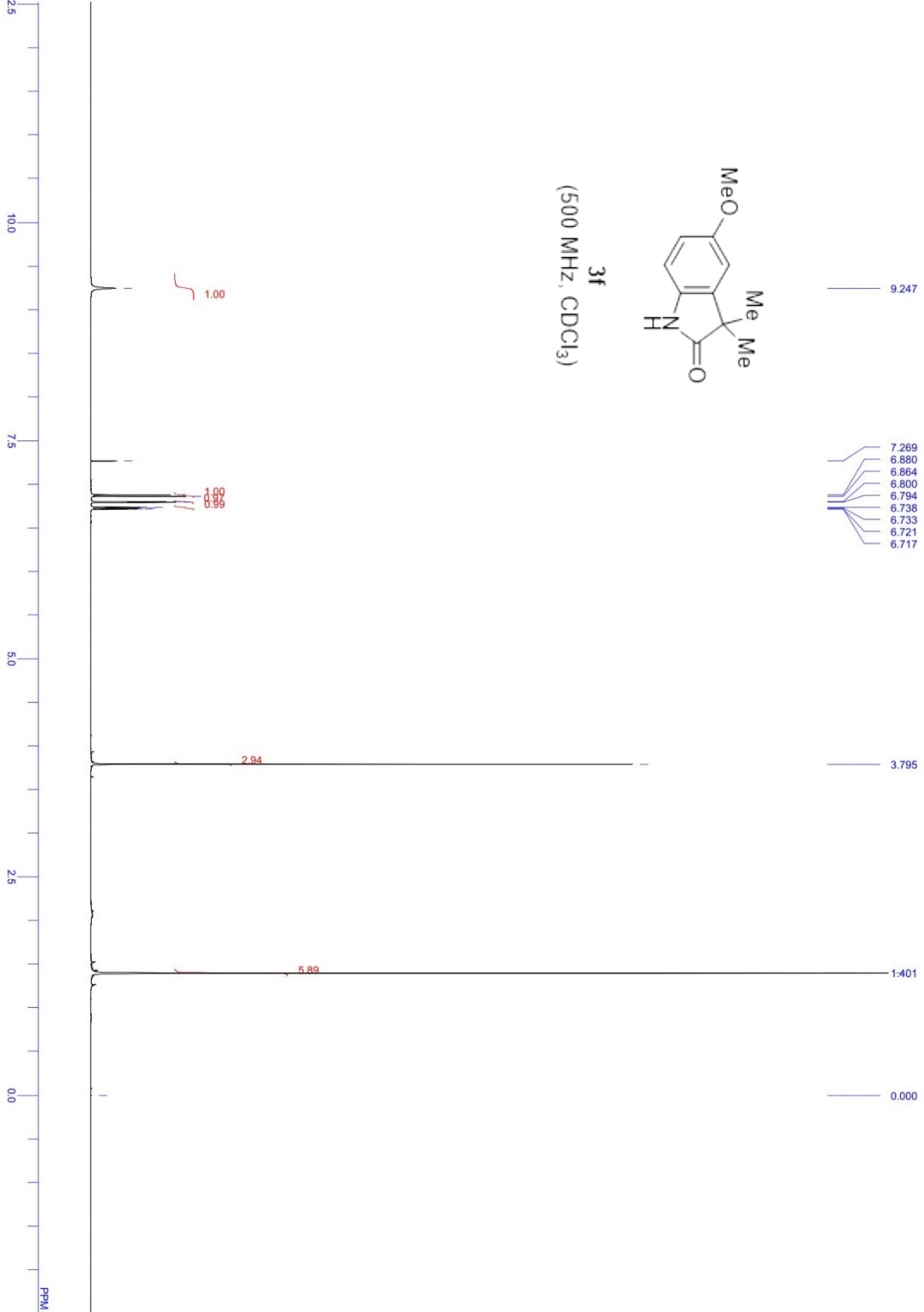


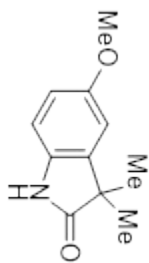
3e
(125 MHz, CDCl₃)



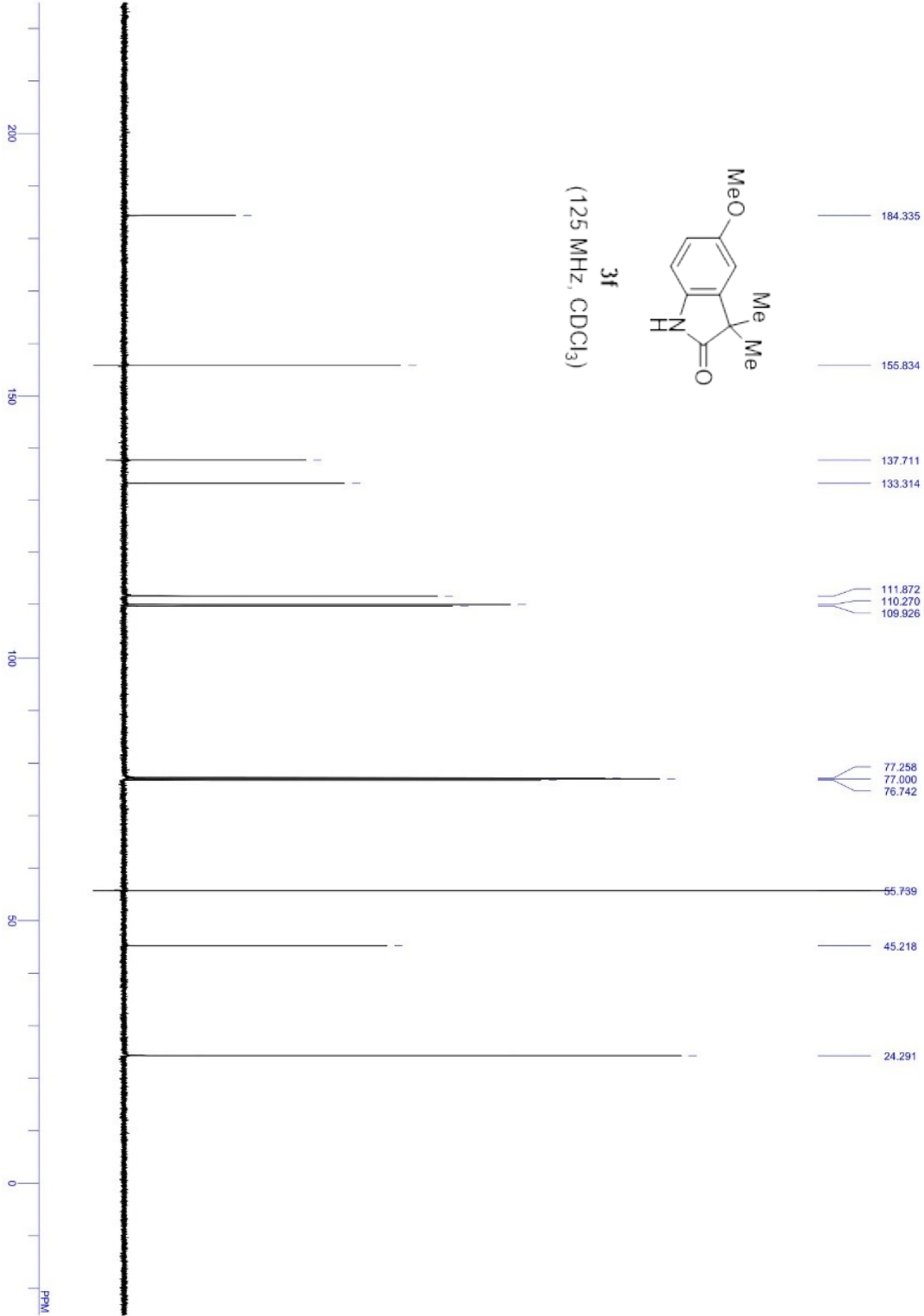


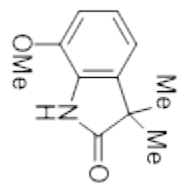
3f
(500 MHz, CDCl₃)



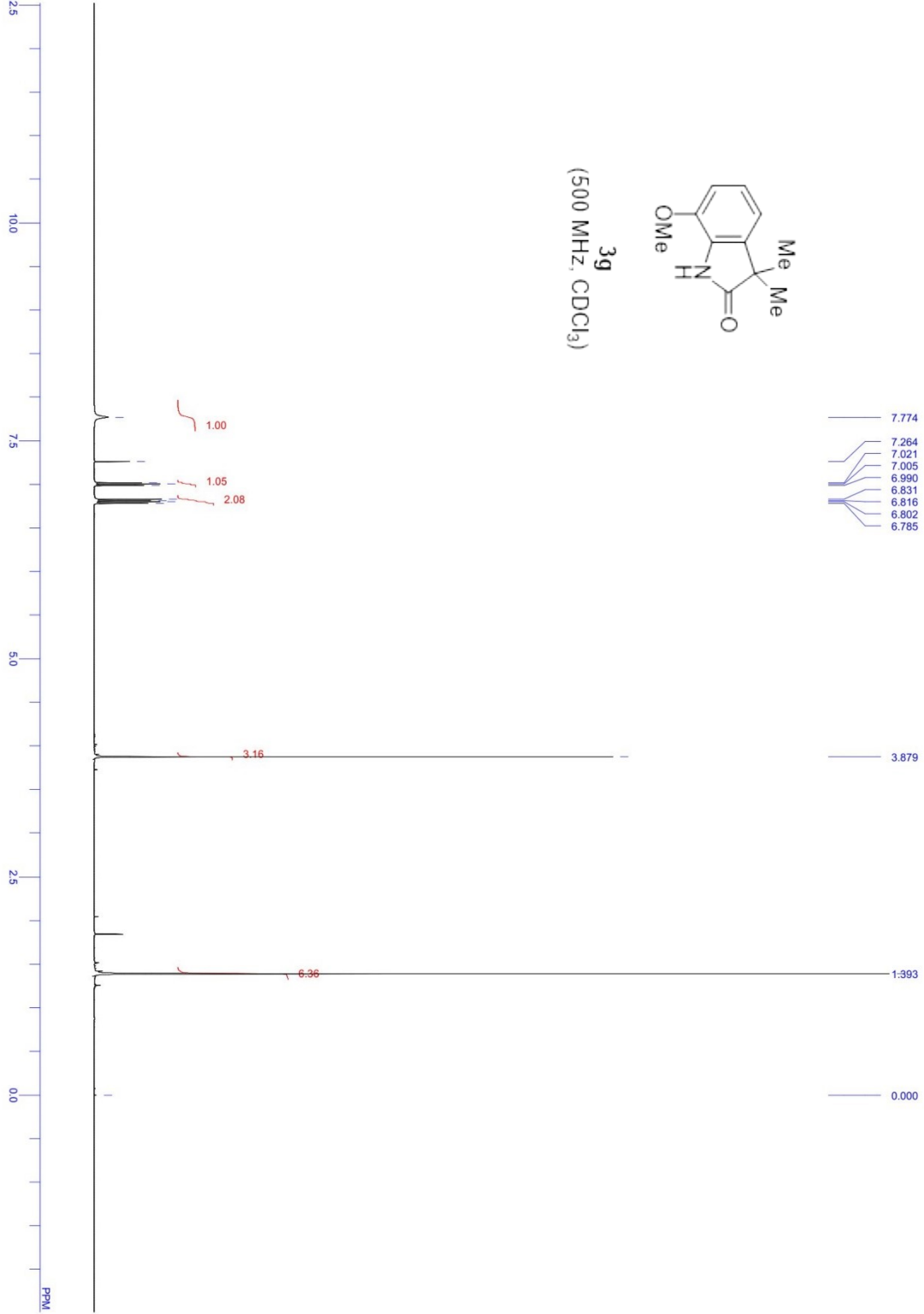


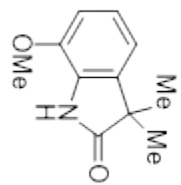
3f
(125 MHz, CDCl₃)



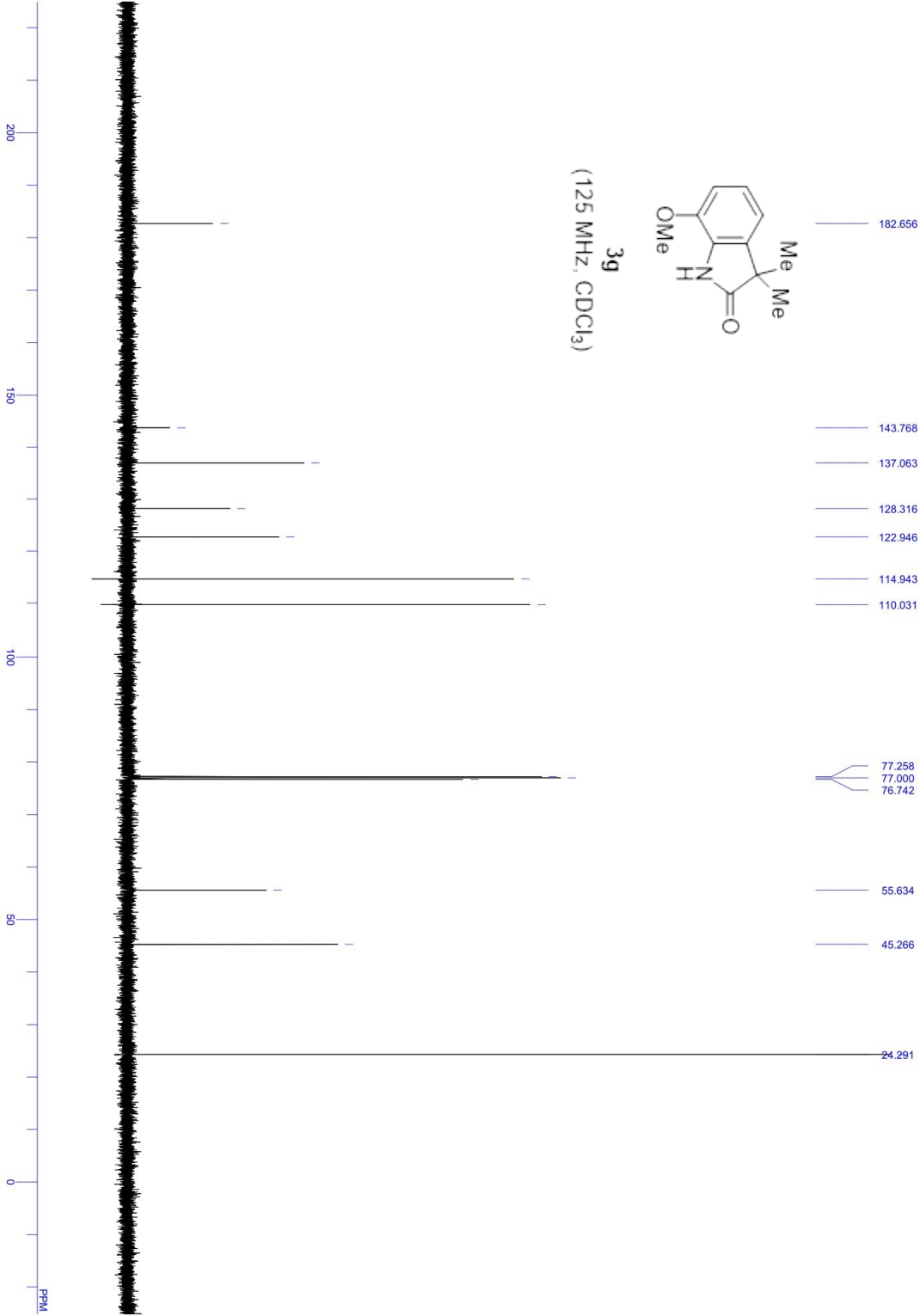


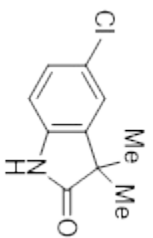
3g
(500 MHz, CDCl₃)



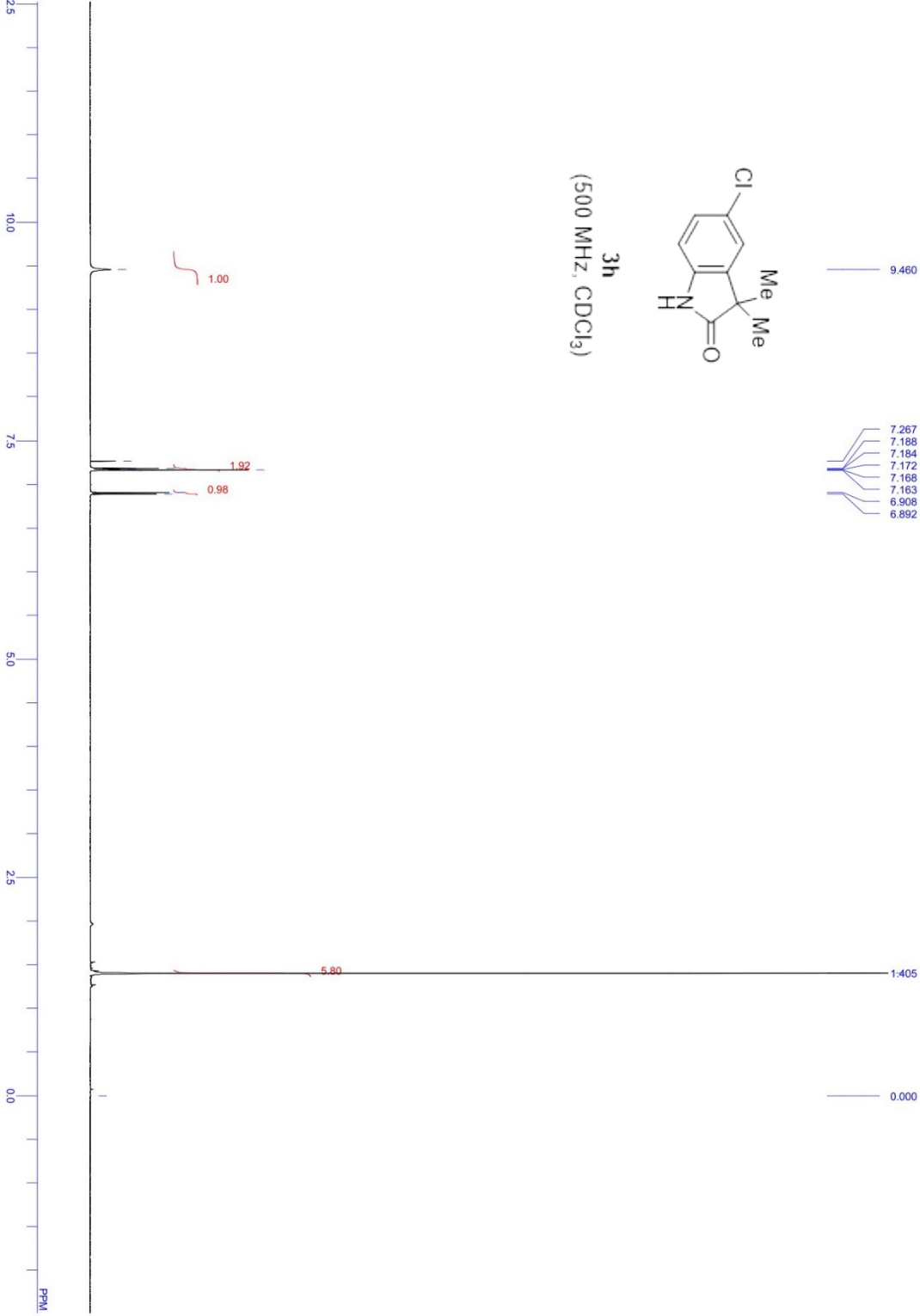


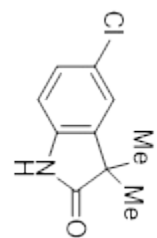
3g
(125 MHz, CDCl₃)



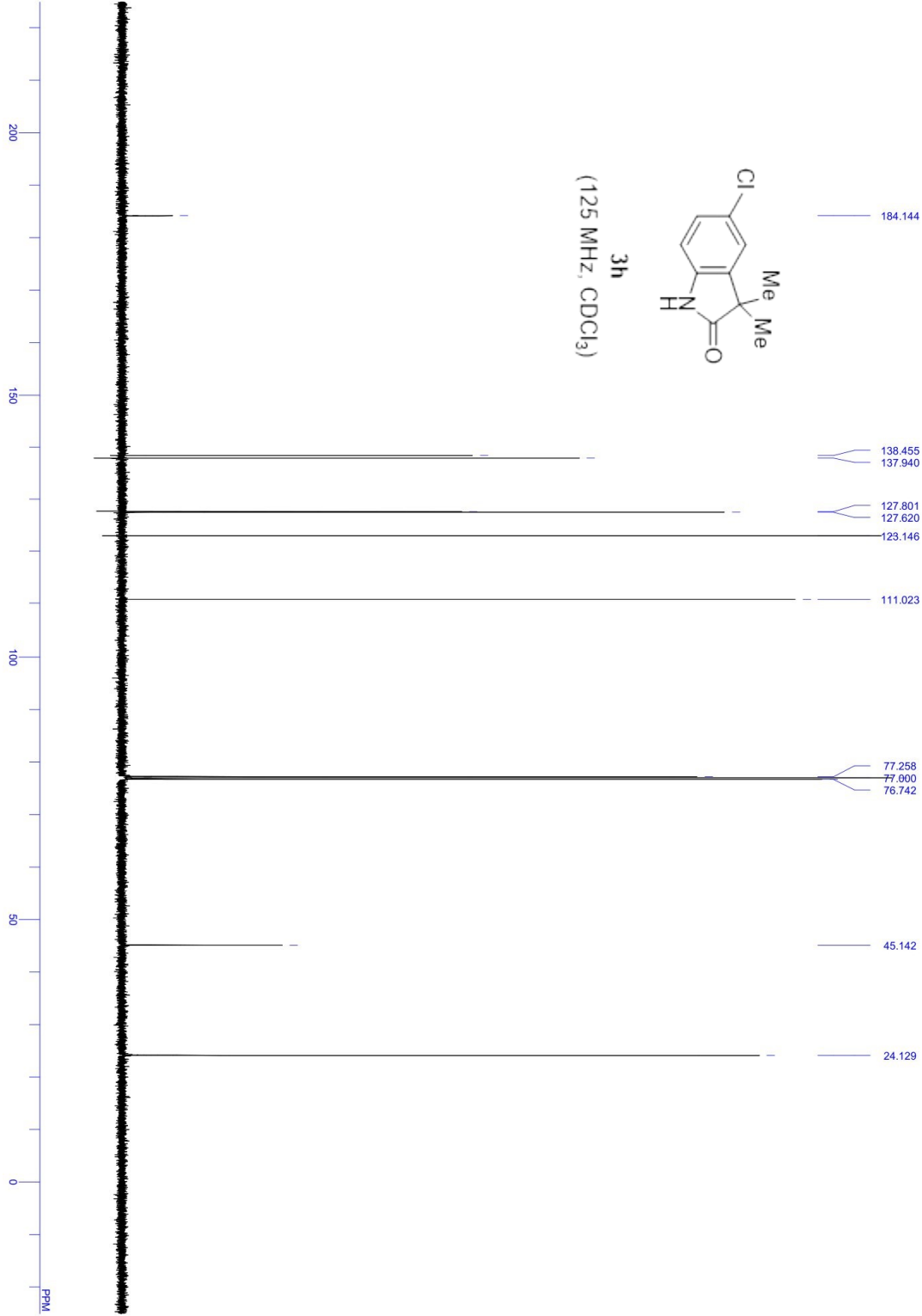


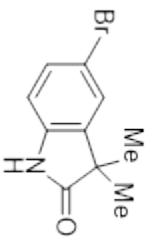
3h
(500 MHz, CDCl₃)





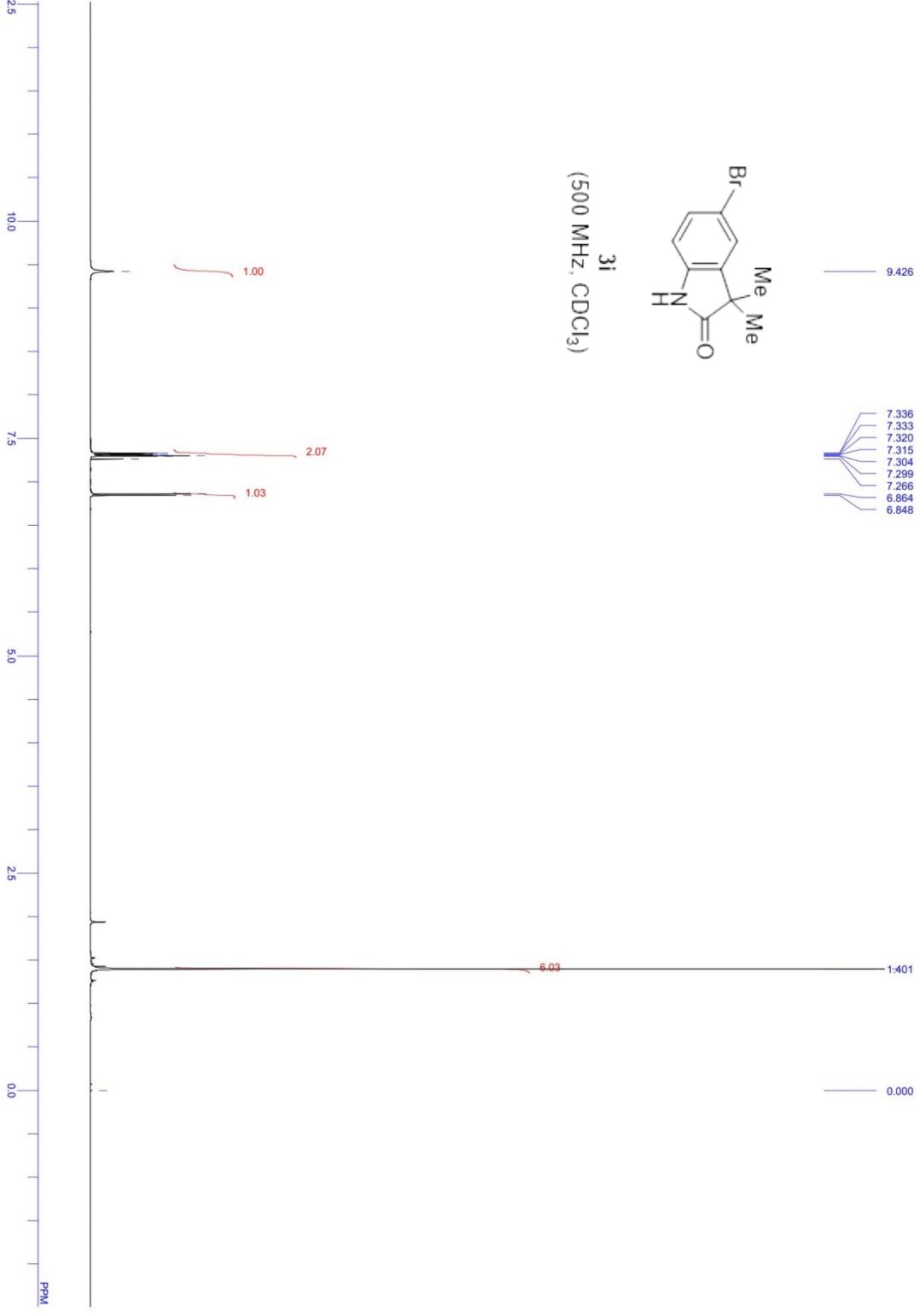
3h
(125 MHz, CDCl₃)

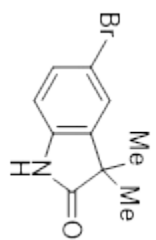




3i
(500 MHz, CDCl₃)

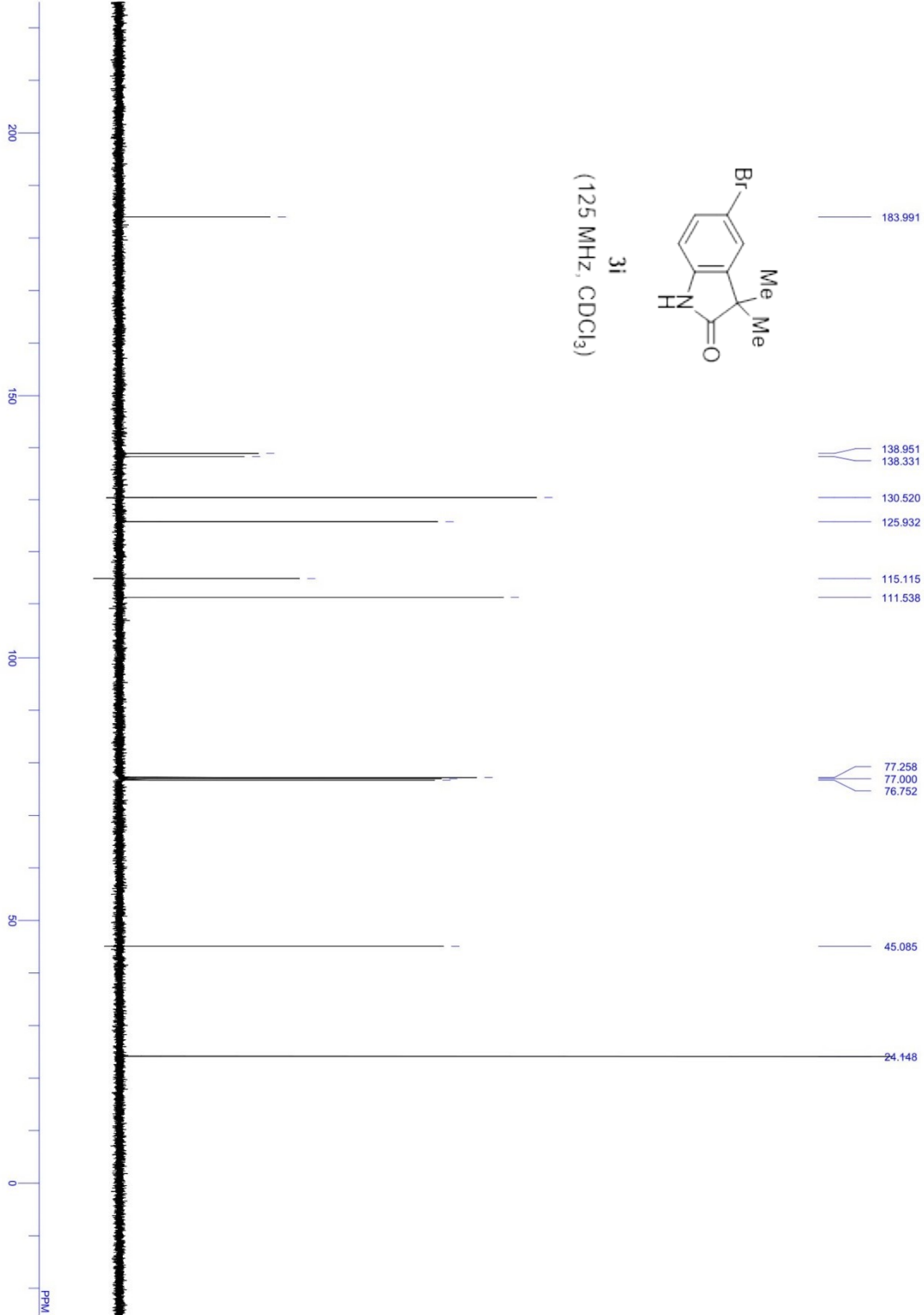
- 9.426
- 7.336
- 7.333
- 7.320
- 7.315
- 7.304
- 7.299
- 7.266
- 6.864
- 6.848
- 0.000

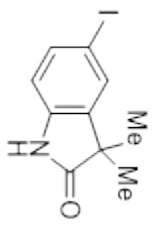




31

(125 MHz, CDCl₃)





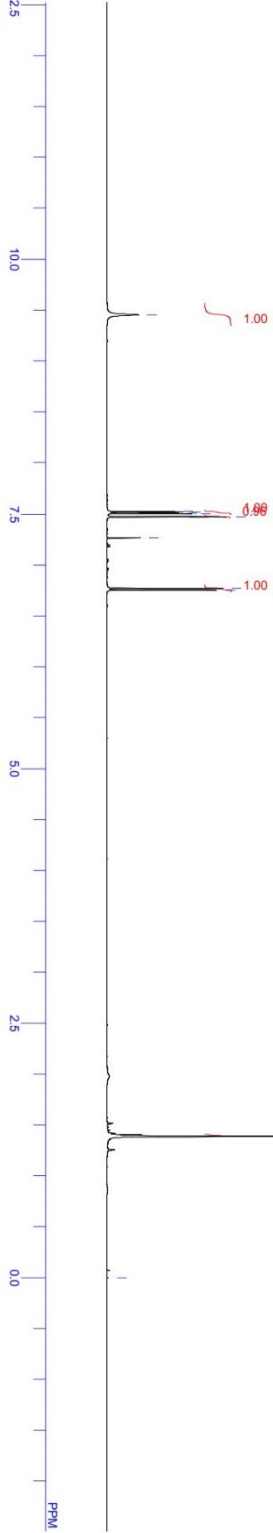
3j
(500 MHz, CDCl₃)

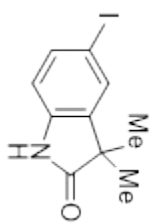
9.458

7.526
7.523
7.510
7.476
7.472
7.267
6.773
6.755

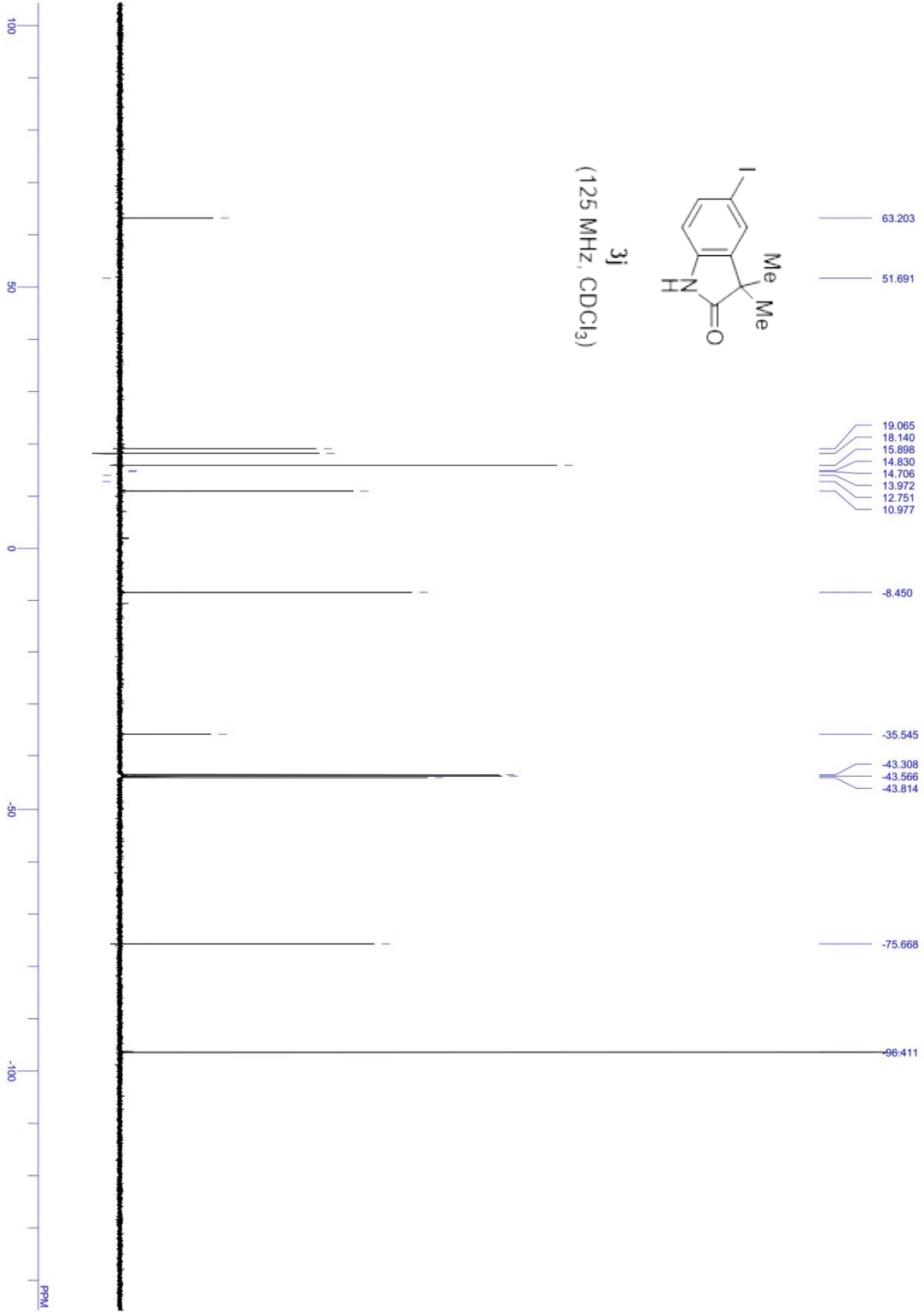
1.393

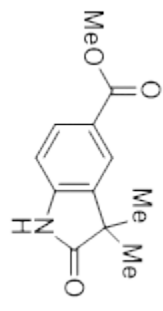
0.000



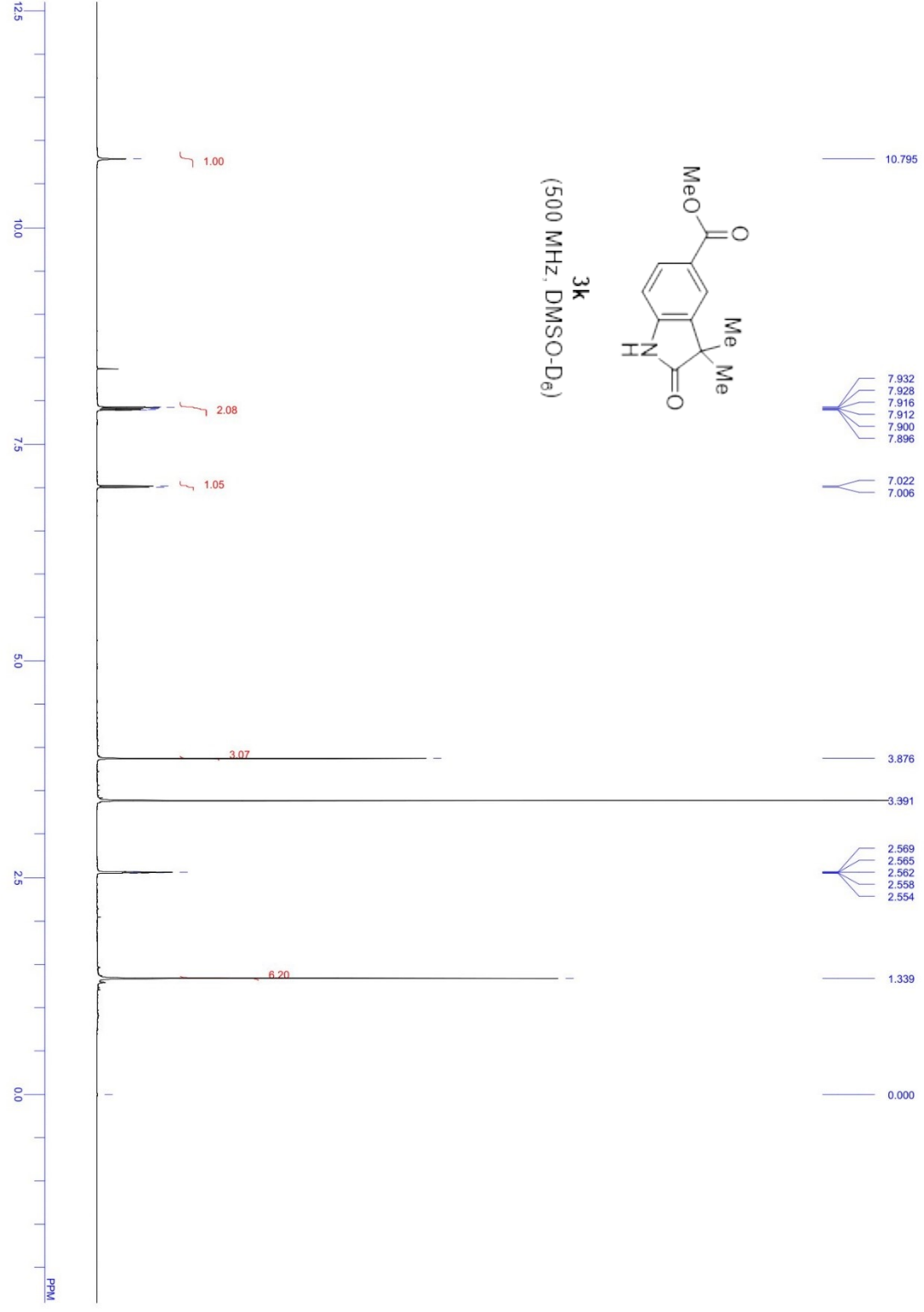


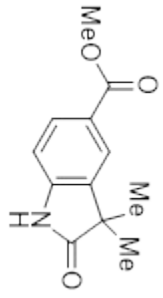
3j
(125 MHz, CDCl₃)



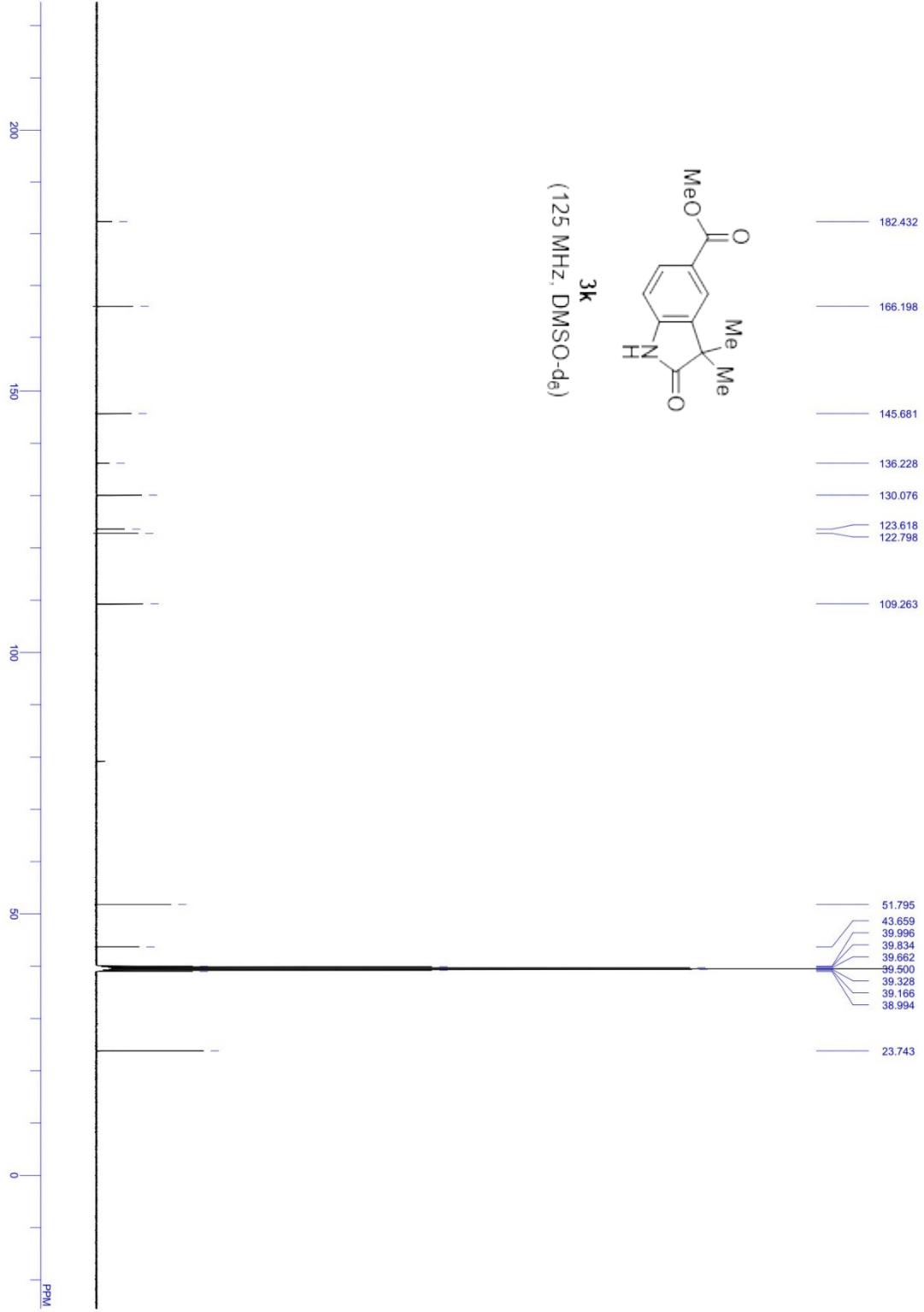


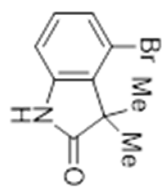
3k
(500 MHz, DMSO-D₆)



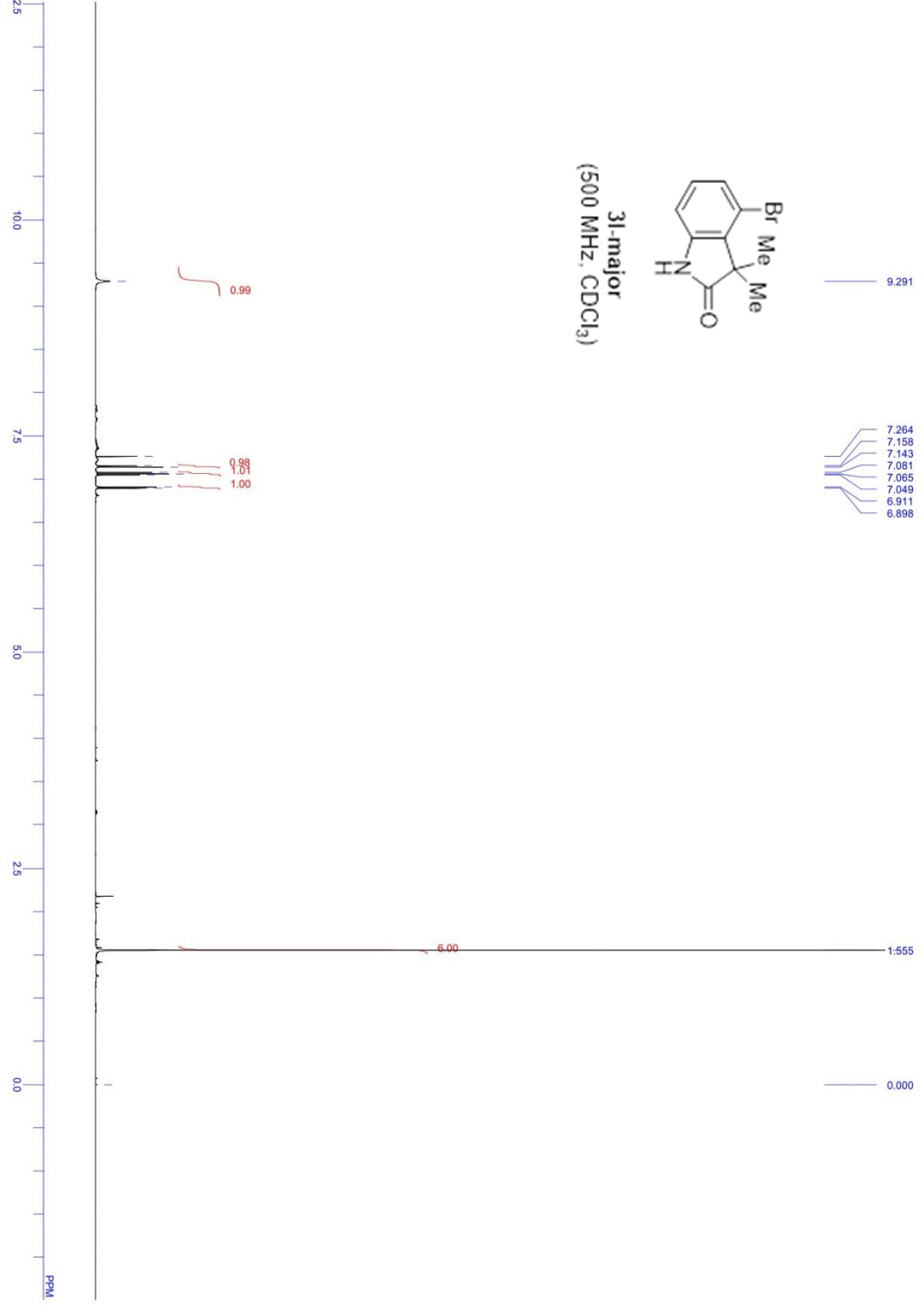


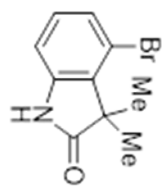
3k
(125 MHz, DMSO-d₆)



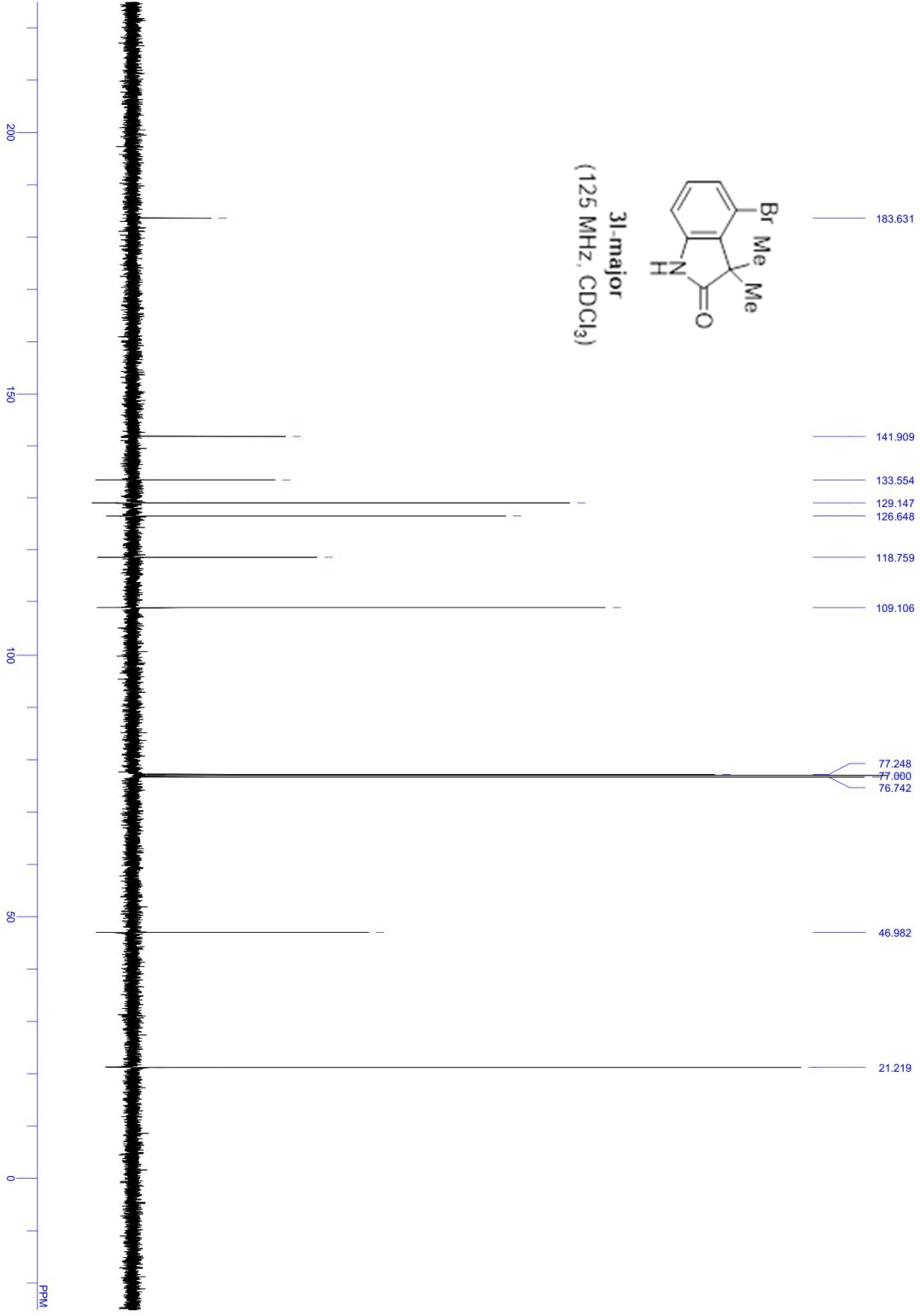


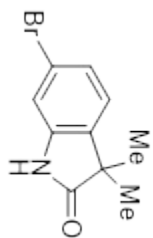
3l-major
(500 MHz, CDCl₃)





3l-major
(125 MHz, CDCl₃)





31-minor
(500 MHz, CDCl₃)

8.767

7.264
7.188
7.185
7.172
7.169
7.119
7.115
7.059
7.044

1.390

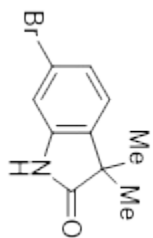
0.000

2.5
10.0
7.5
5.0
2.5
0.0
PPM

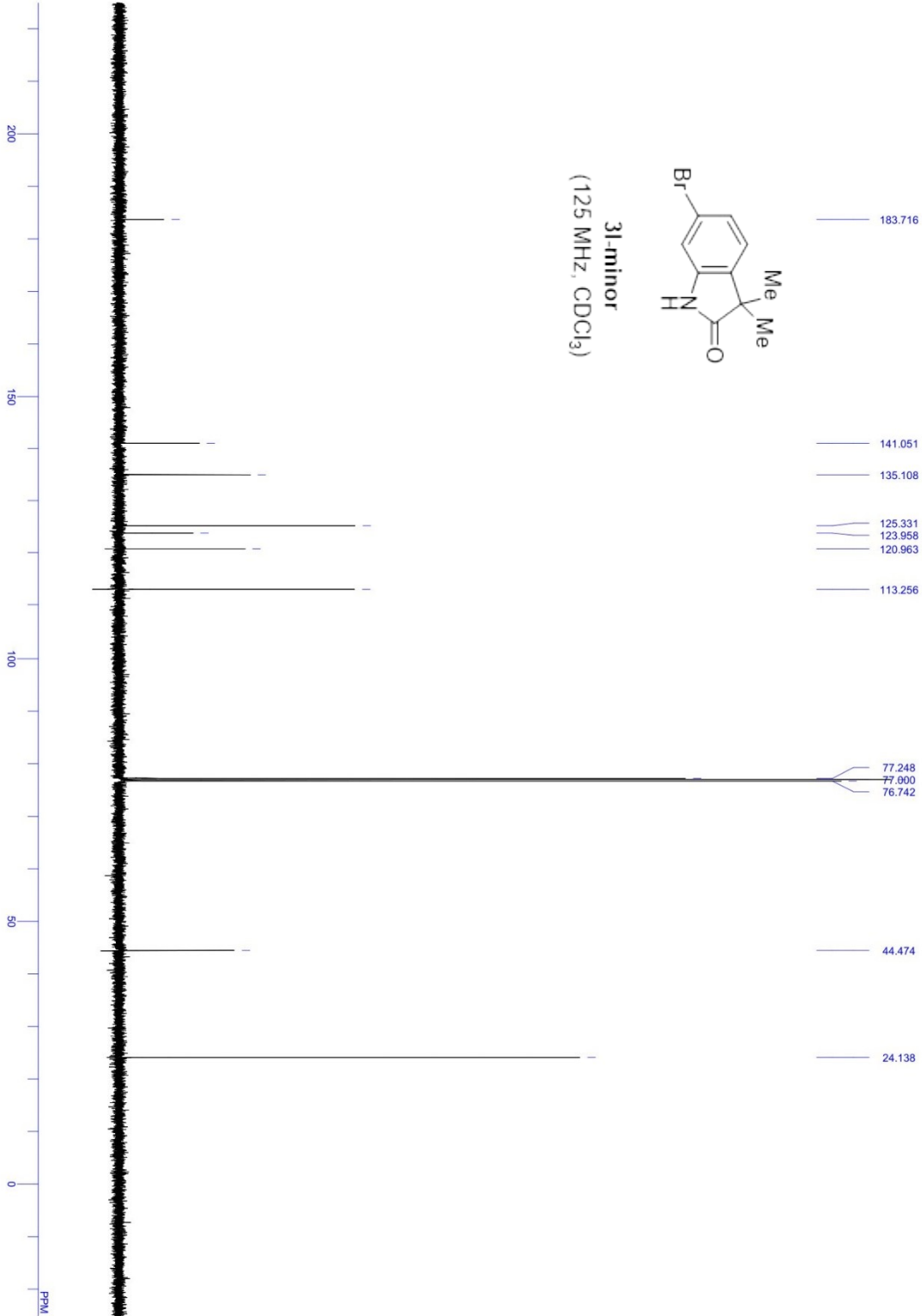
0.95

0.86
0.99

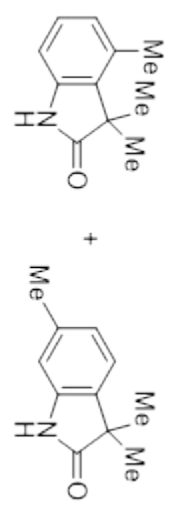
6.00



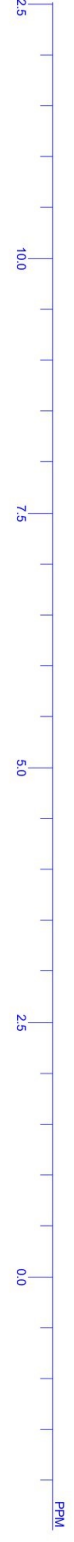
3-brominor
(125 MHz, CDCl₃)



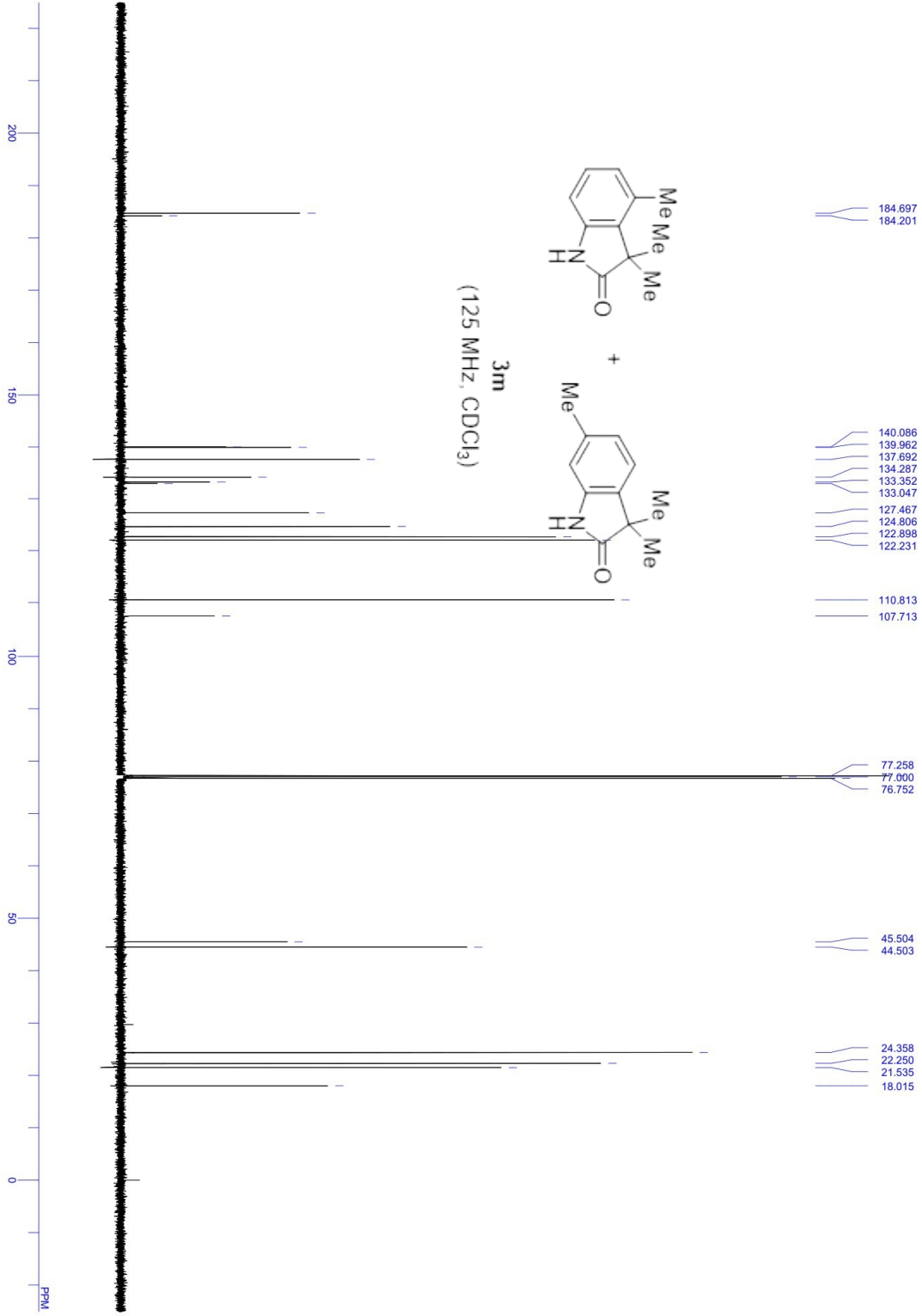
- 9.166
- 7.258
- 7.119
- 7.094
- 7.078
- 7.068
- 7.054
- 6.981
- 6.858
- 6.856
- 6.839
- 6.833
- 6.831
- 6.814
- 6.810
- 6.808
- 6.806
- 6.789

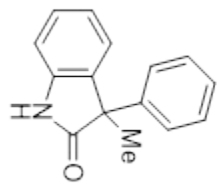


3m
(500 MHz, CDCl₃)

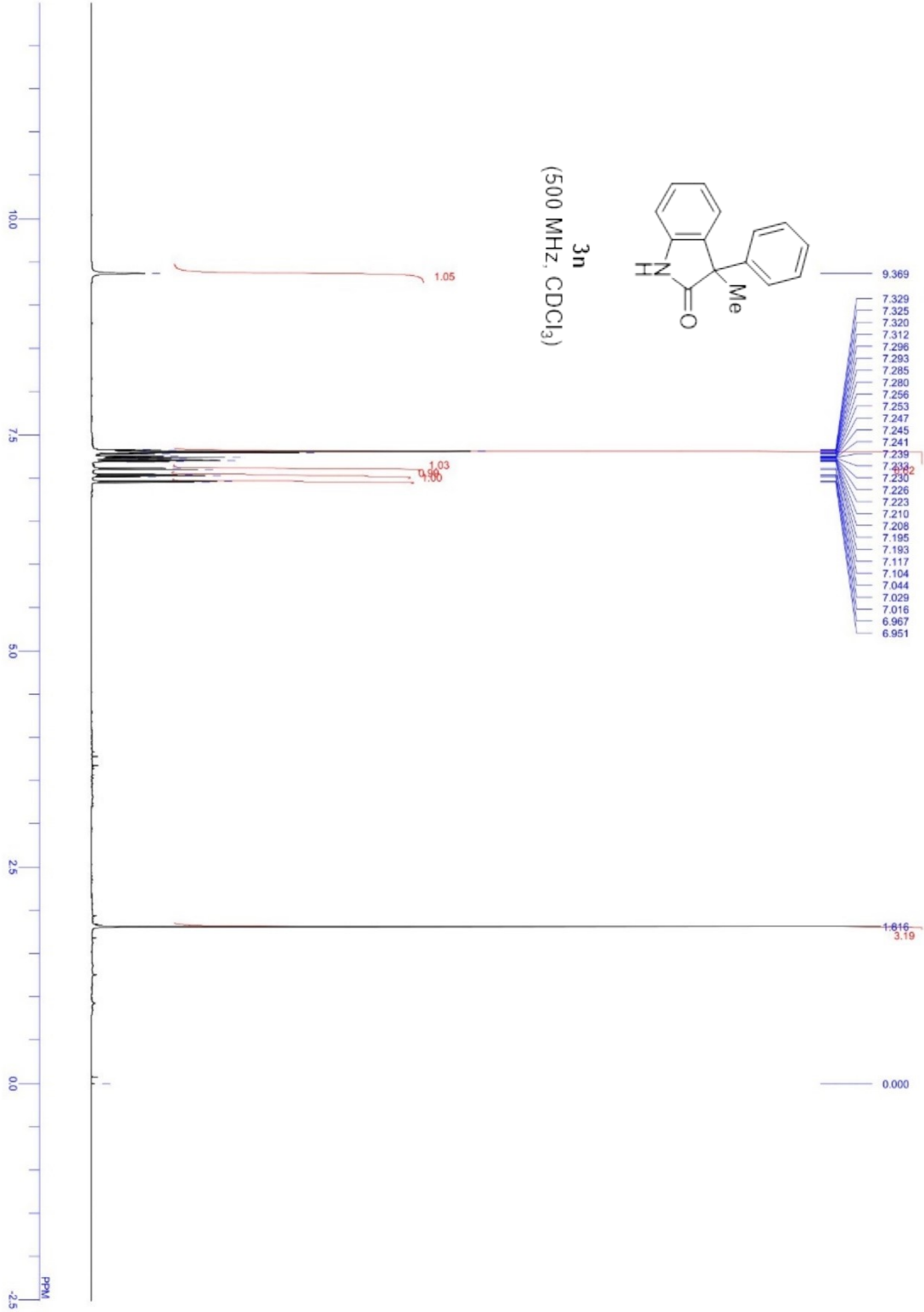


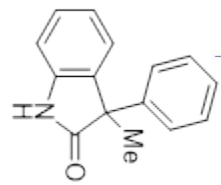
- 2.392
- 2.334
- 1.488
- 1.390
- 0.000



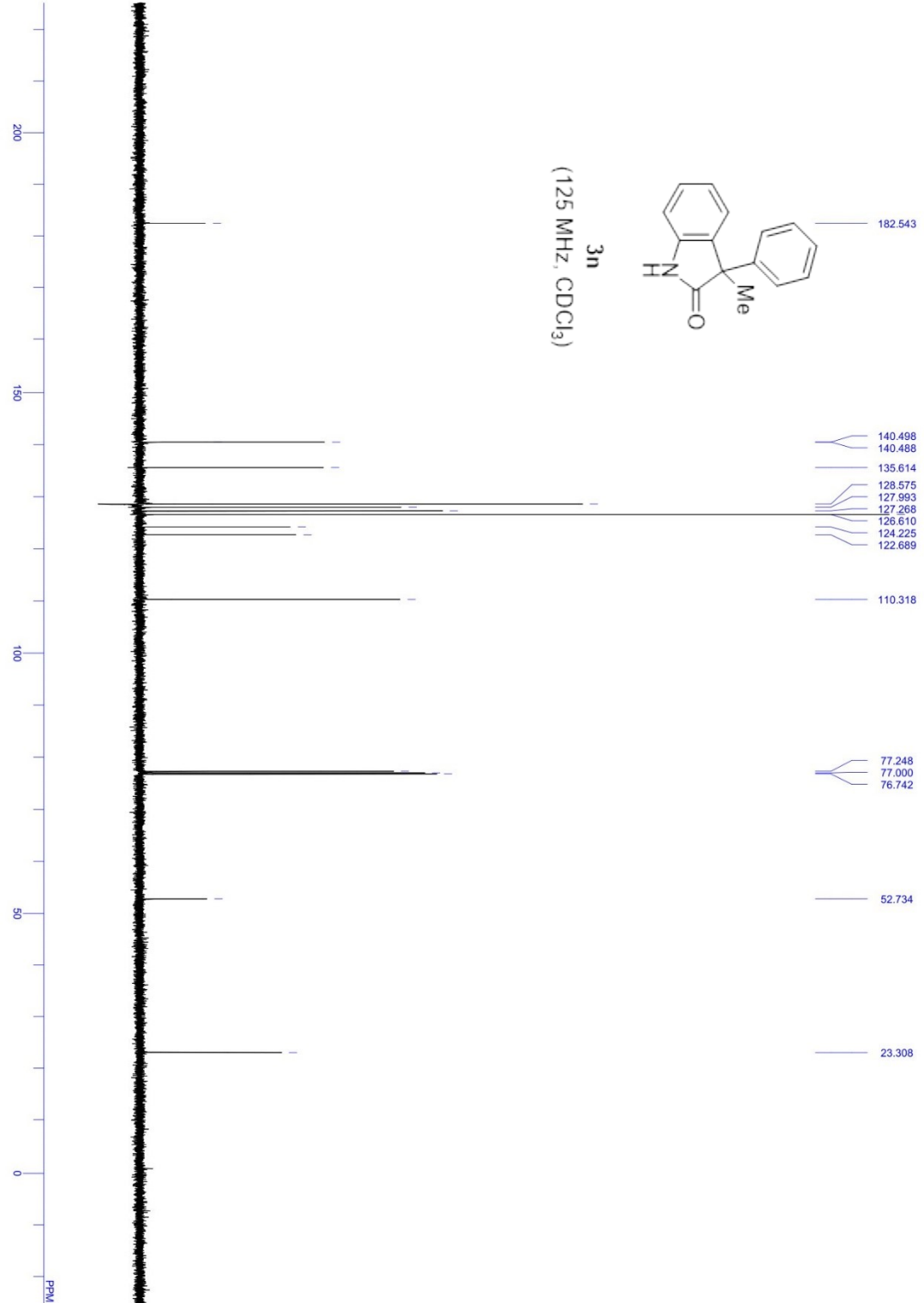


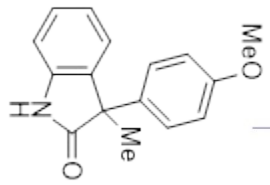
3n
(500 MHz, CDCl₃)



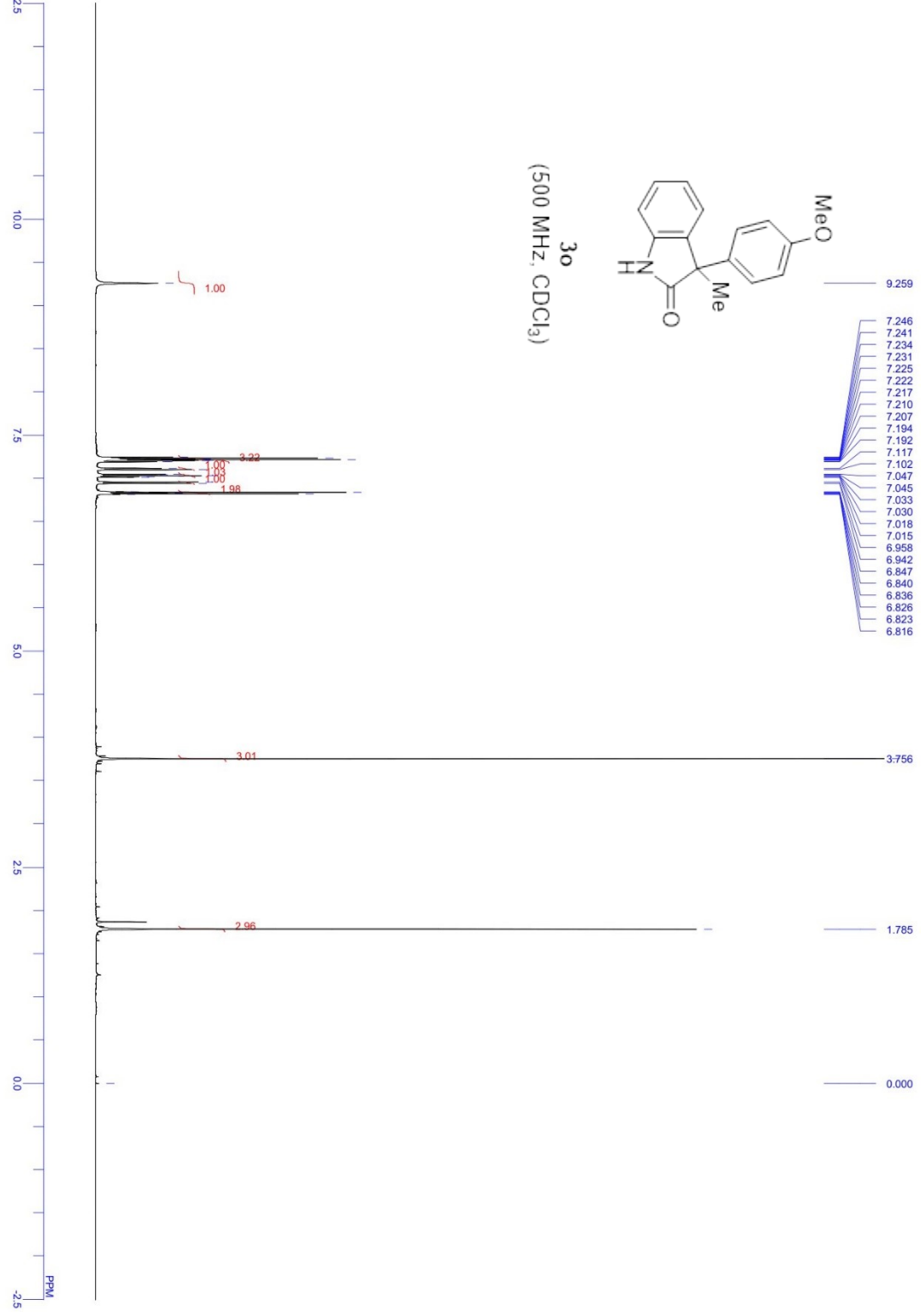


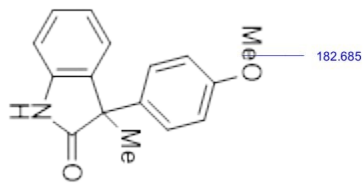
3n
(125 MHz, CDCl₃)



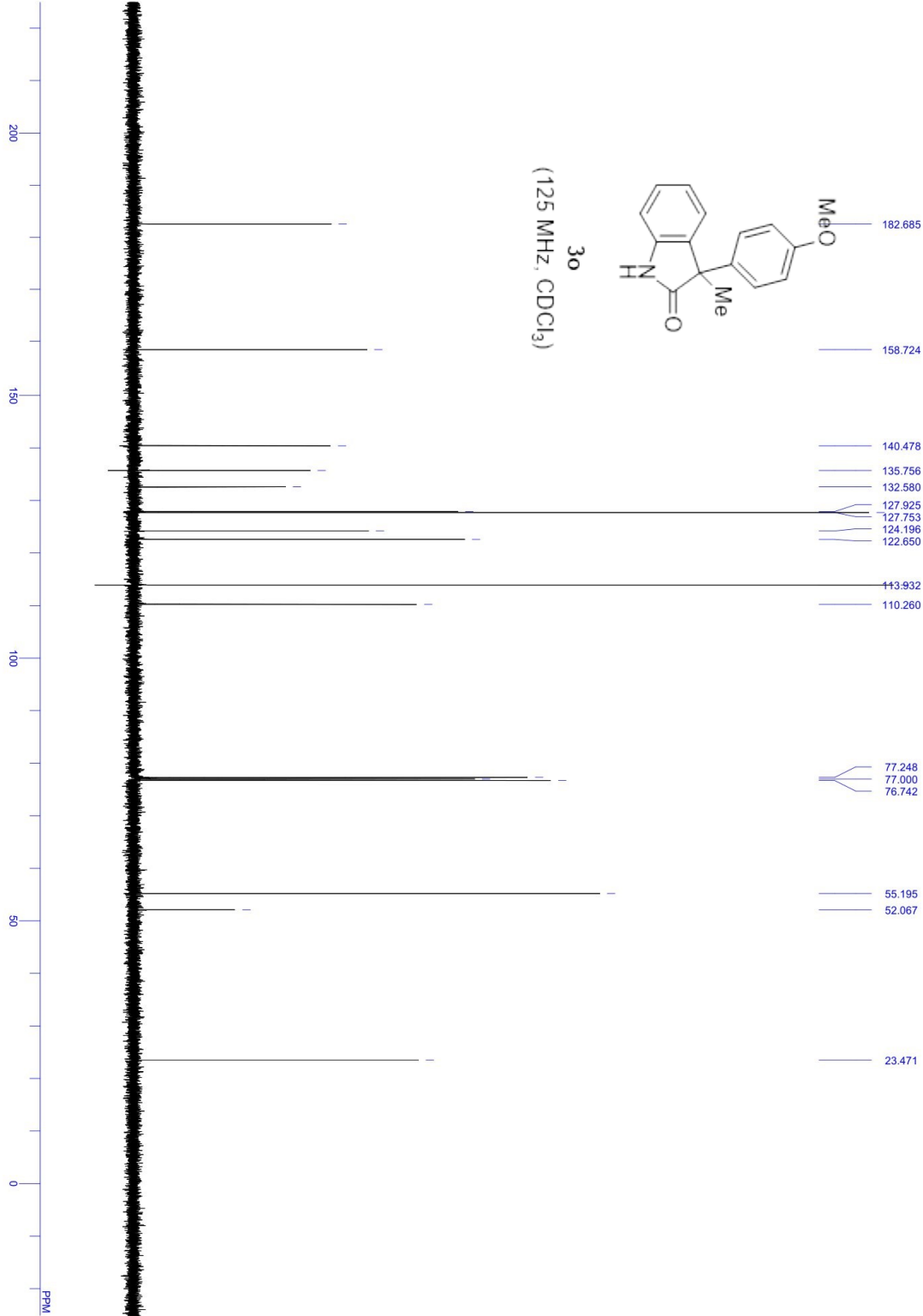


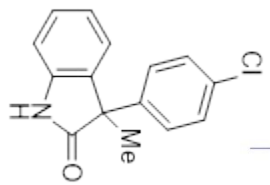
30
(500 MHz, CDCl₃)



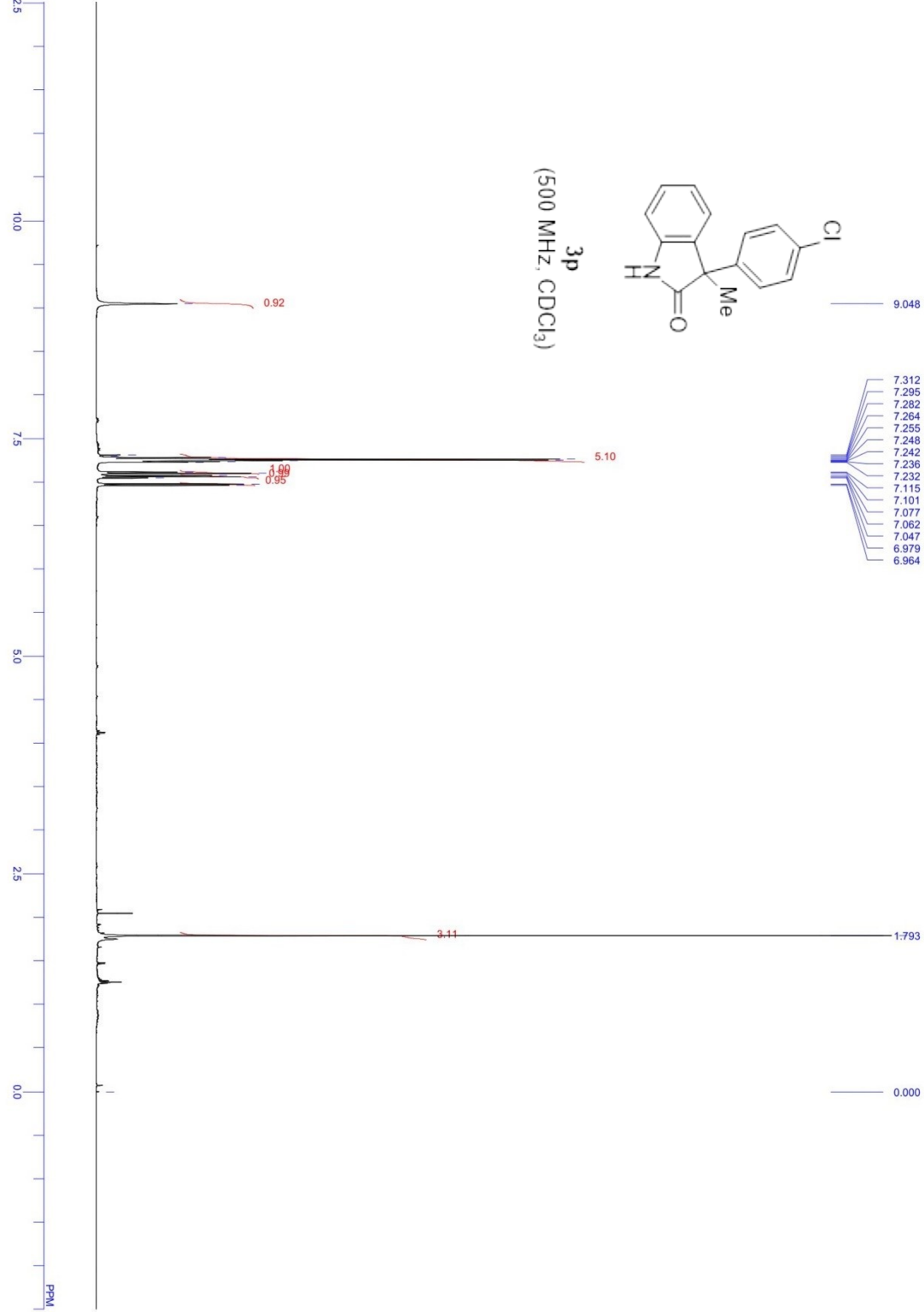


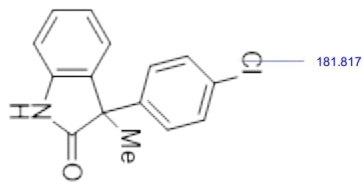
3o
(125 MHz, CDCl₃)



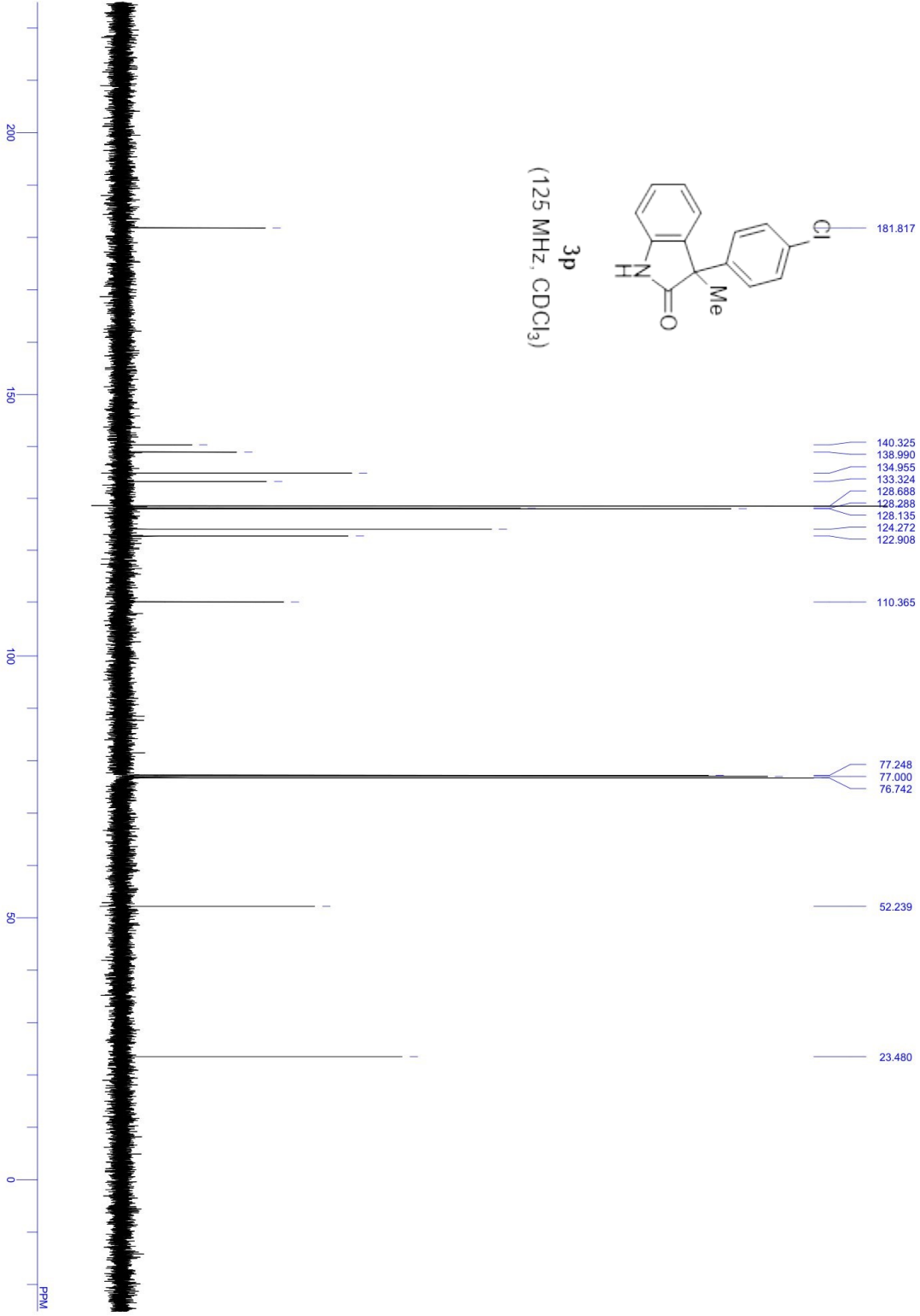


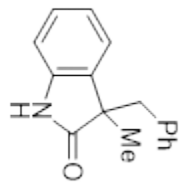
3p
(500 MHz, CDCl₃)



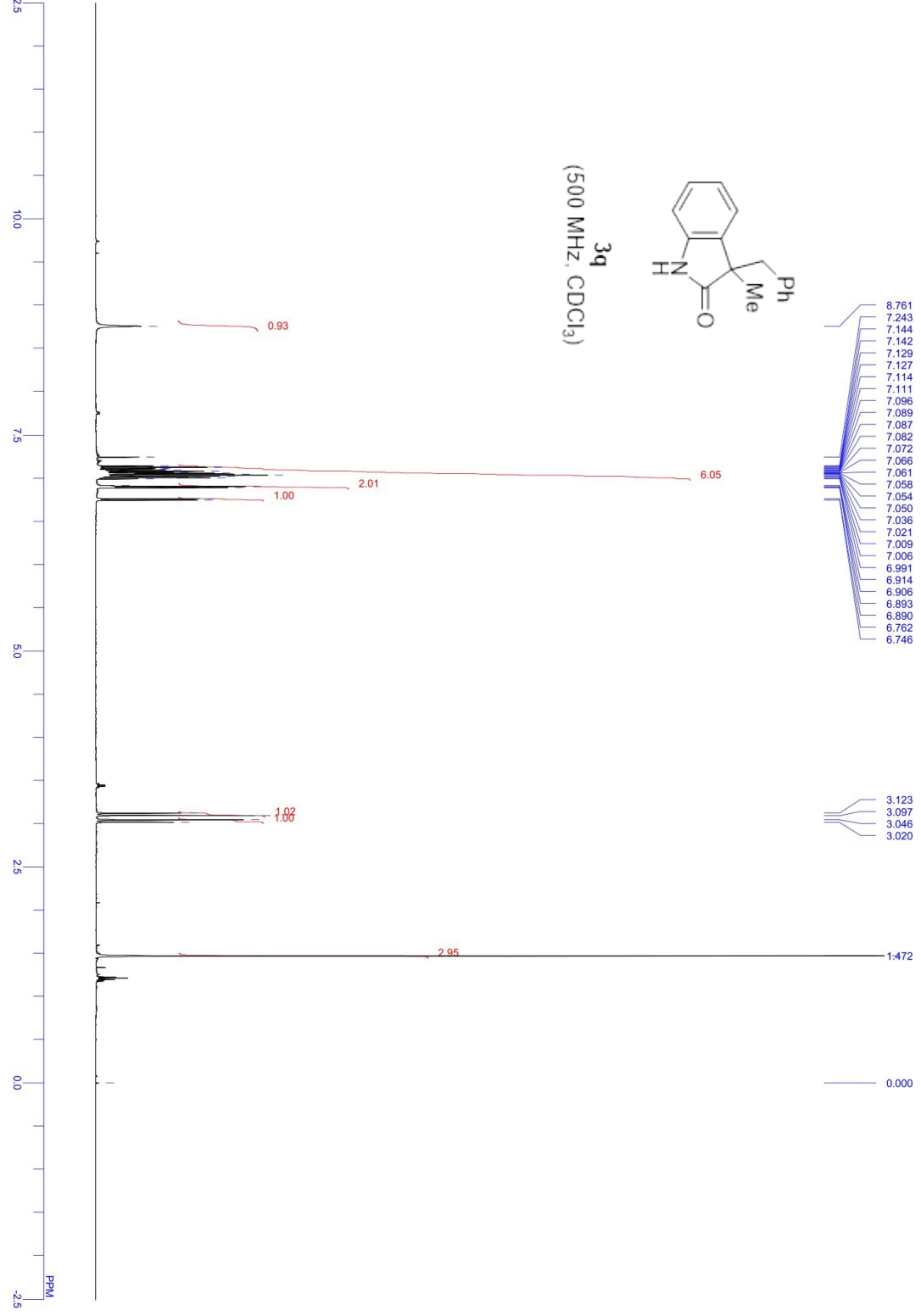


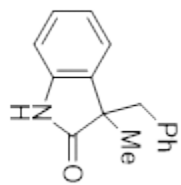
3p
(125 MHz, CDCl₃)



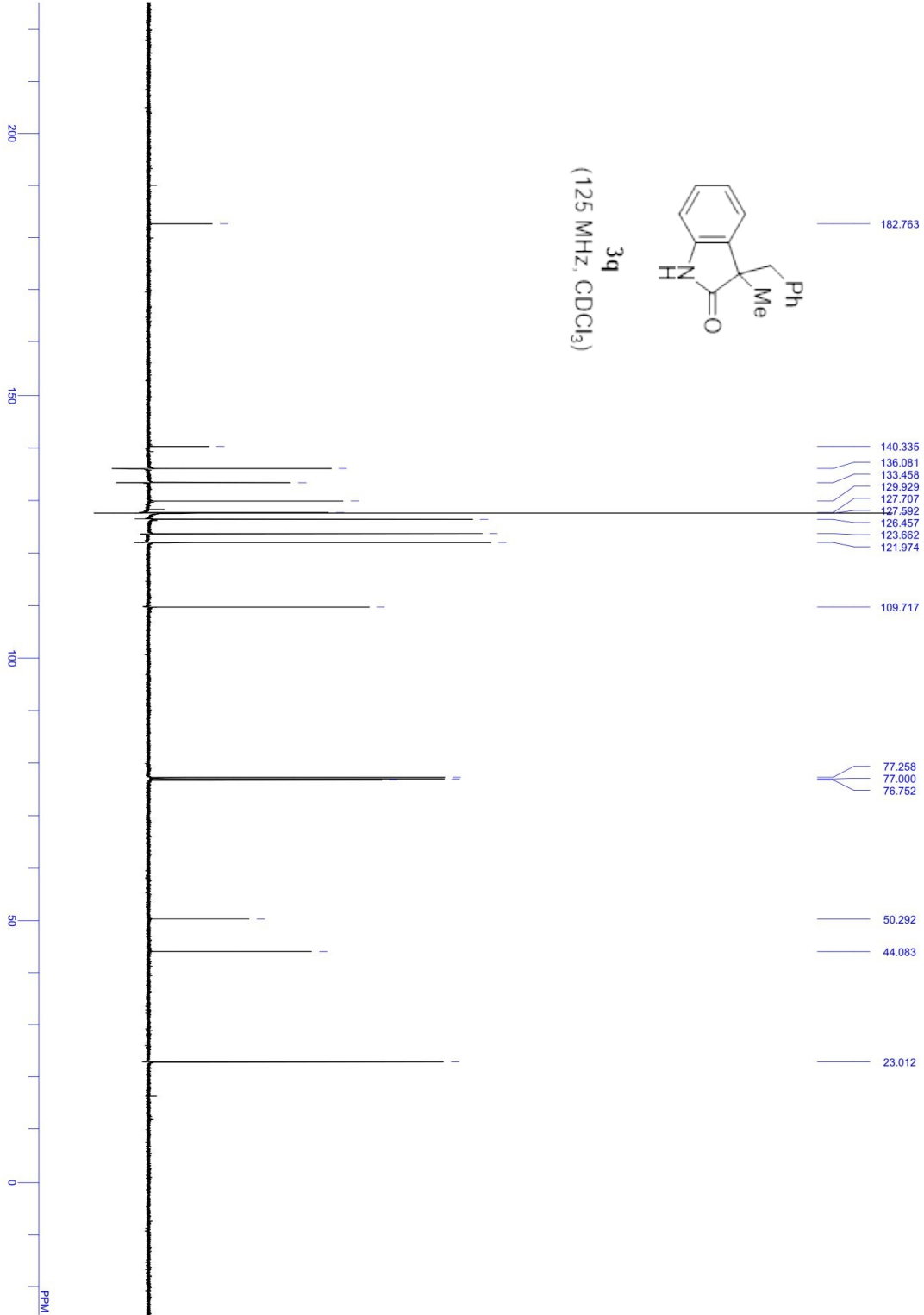


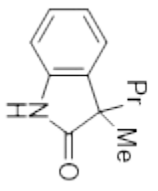
3q
(500 MHz, CDCl₃)



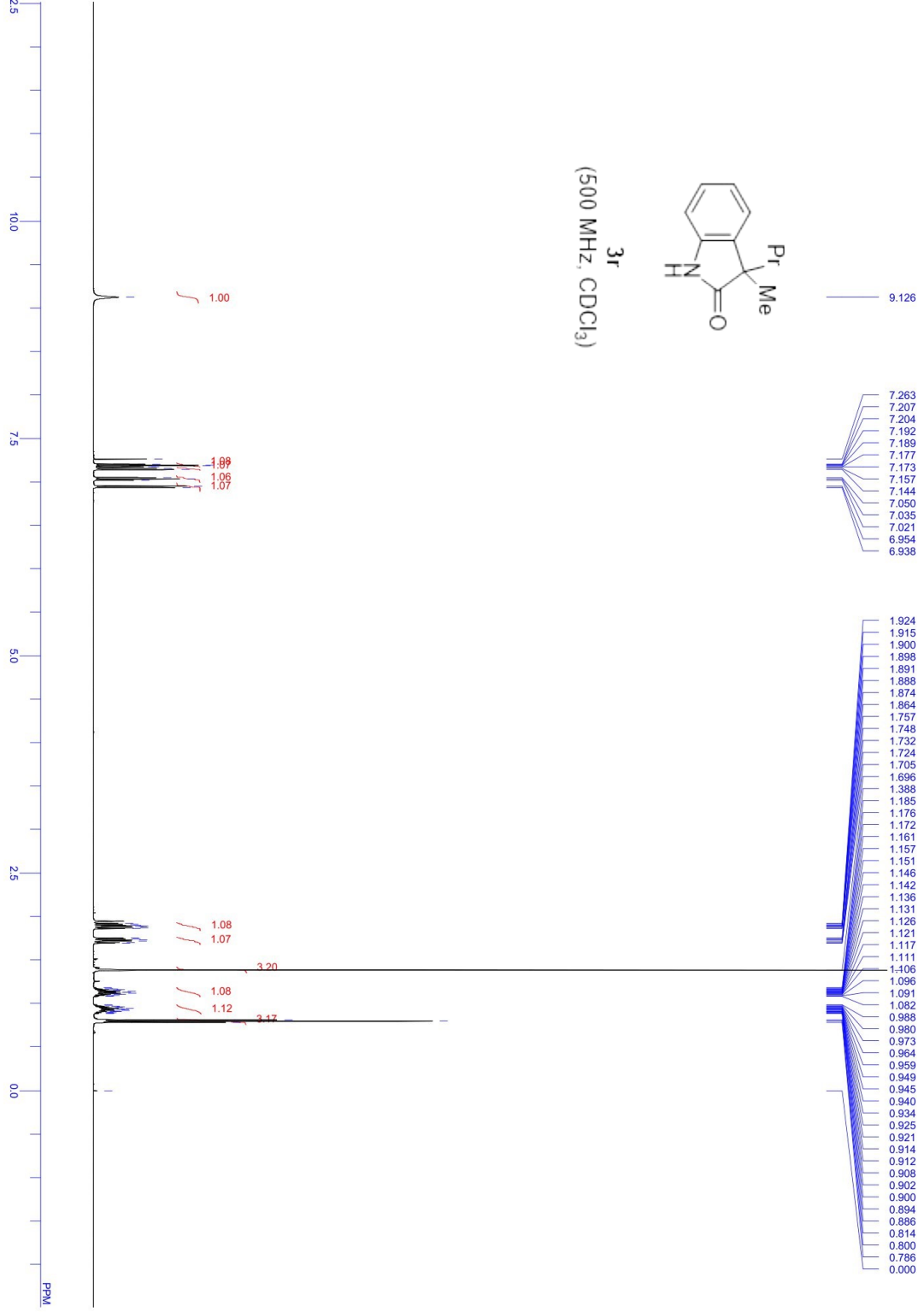


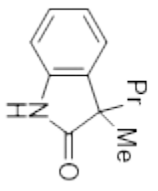
3q
(125 MHz, CDCl₃)



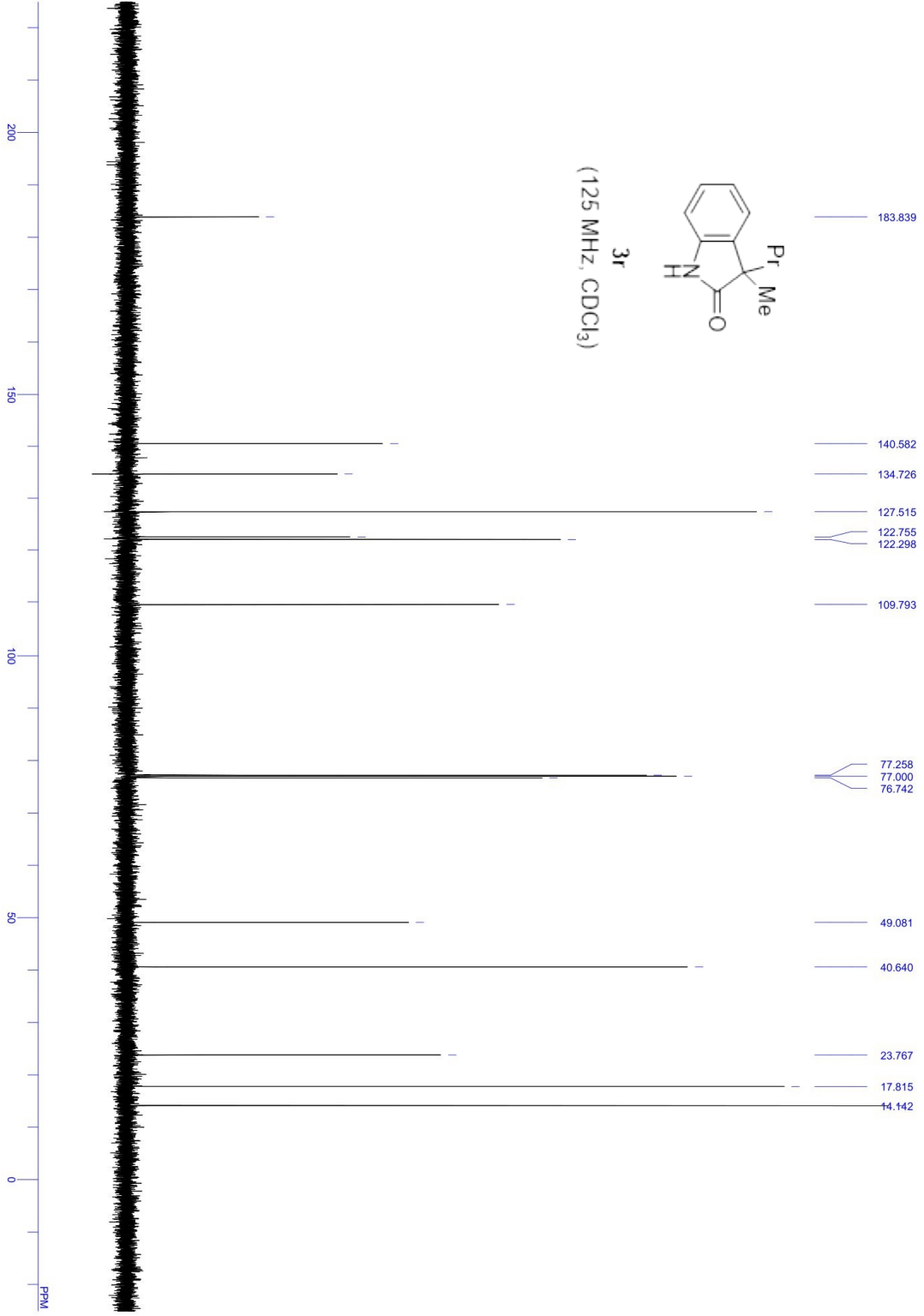


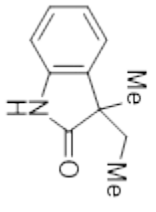
3r
(500 MHz, CDCl₃)



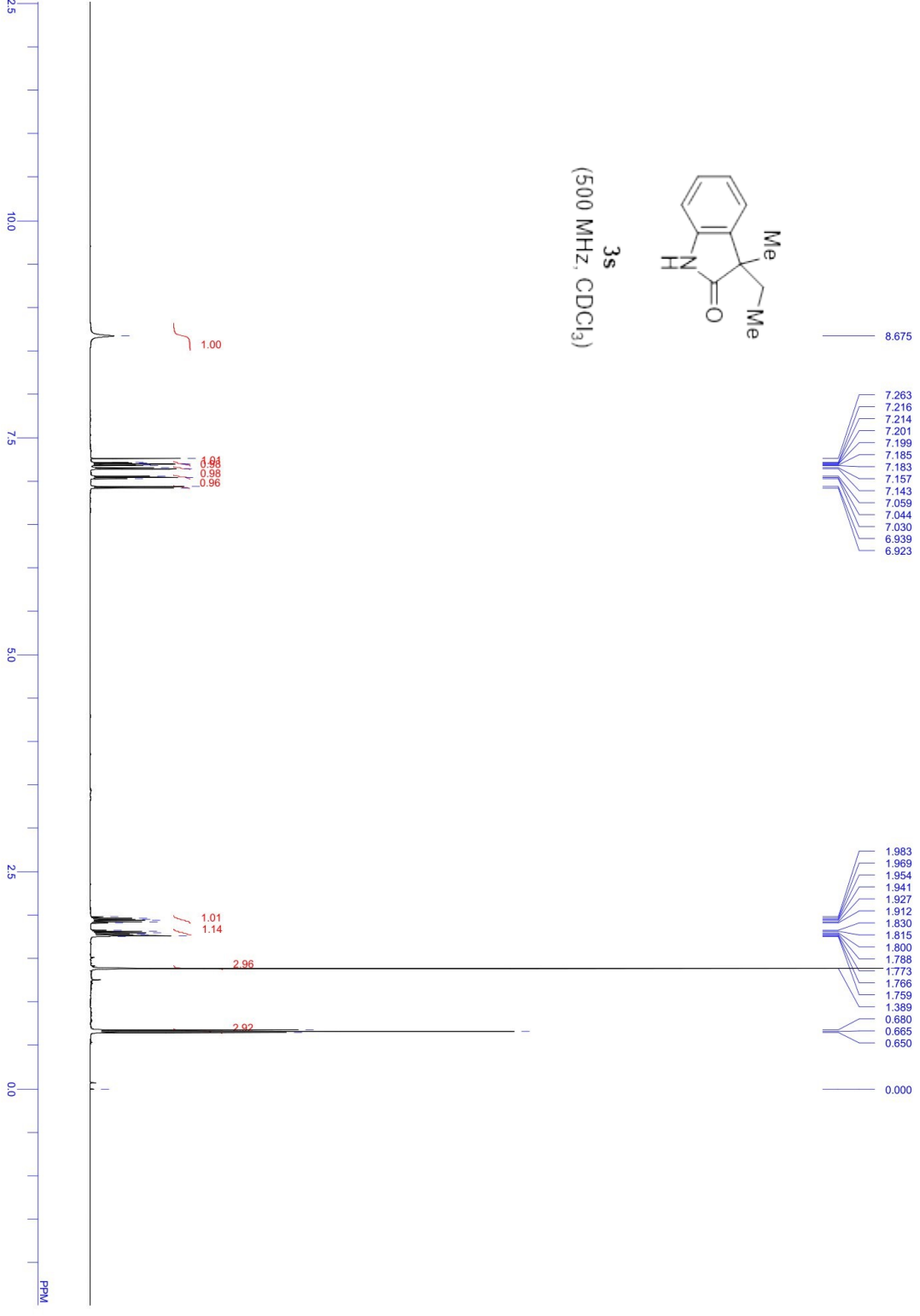


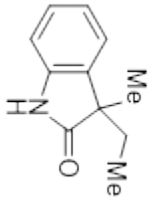
(125 MHz, CDCl₃)



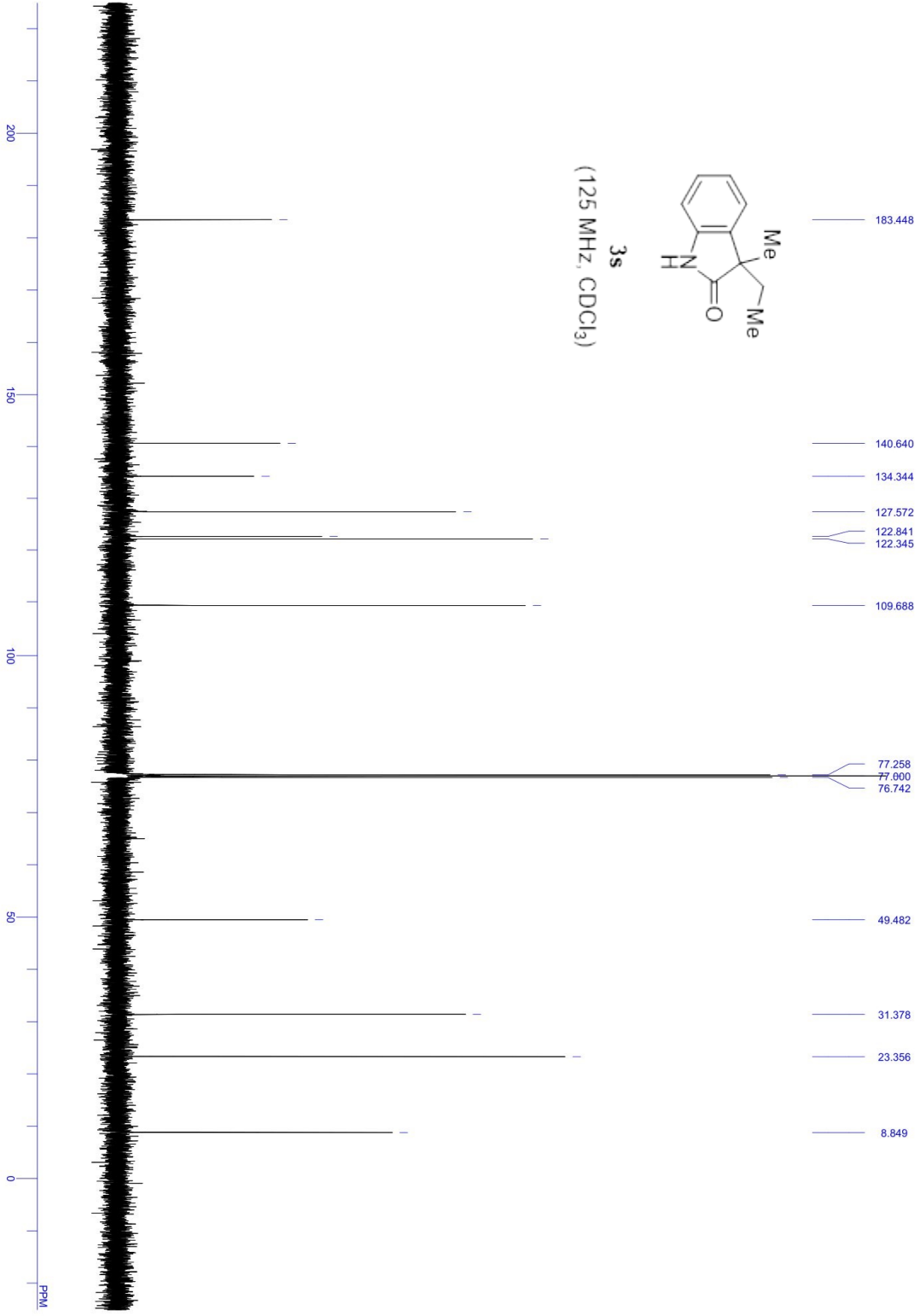


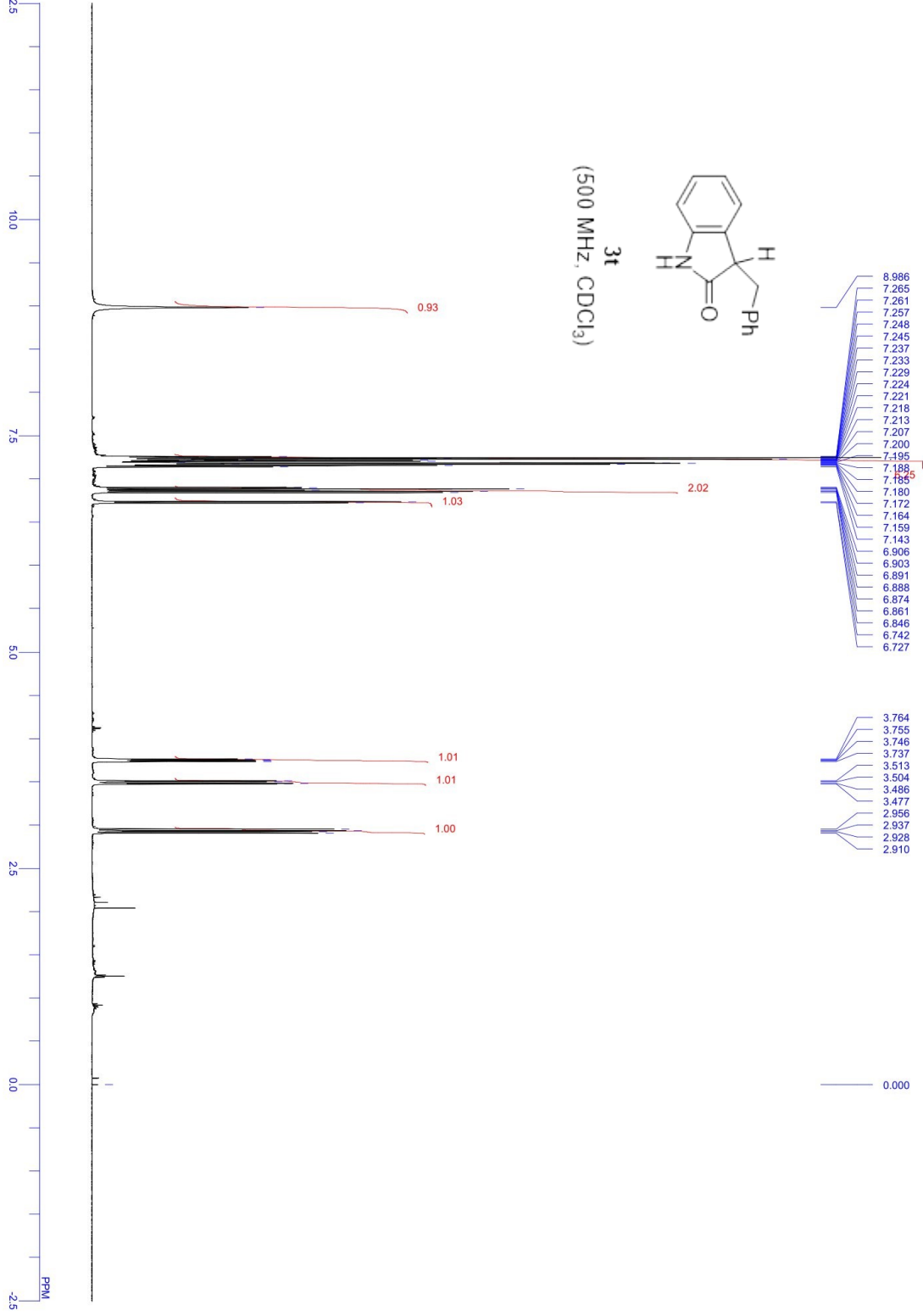
3s
(500 MHz, CDCl₃)

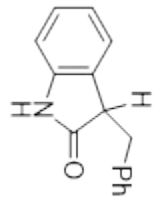




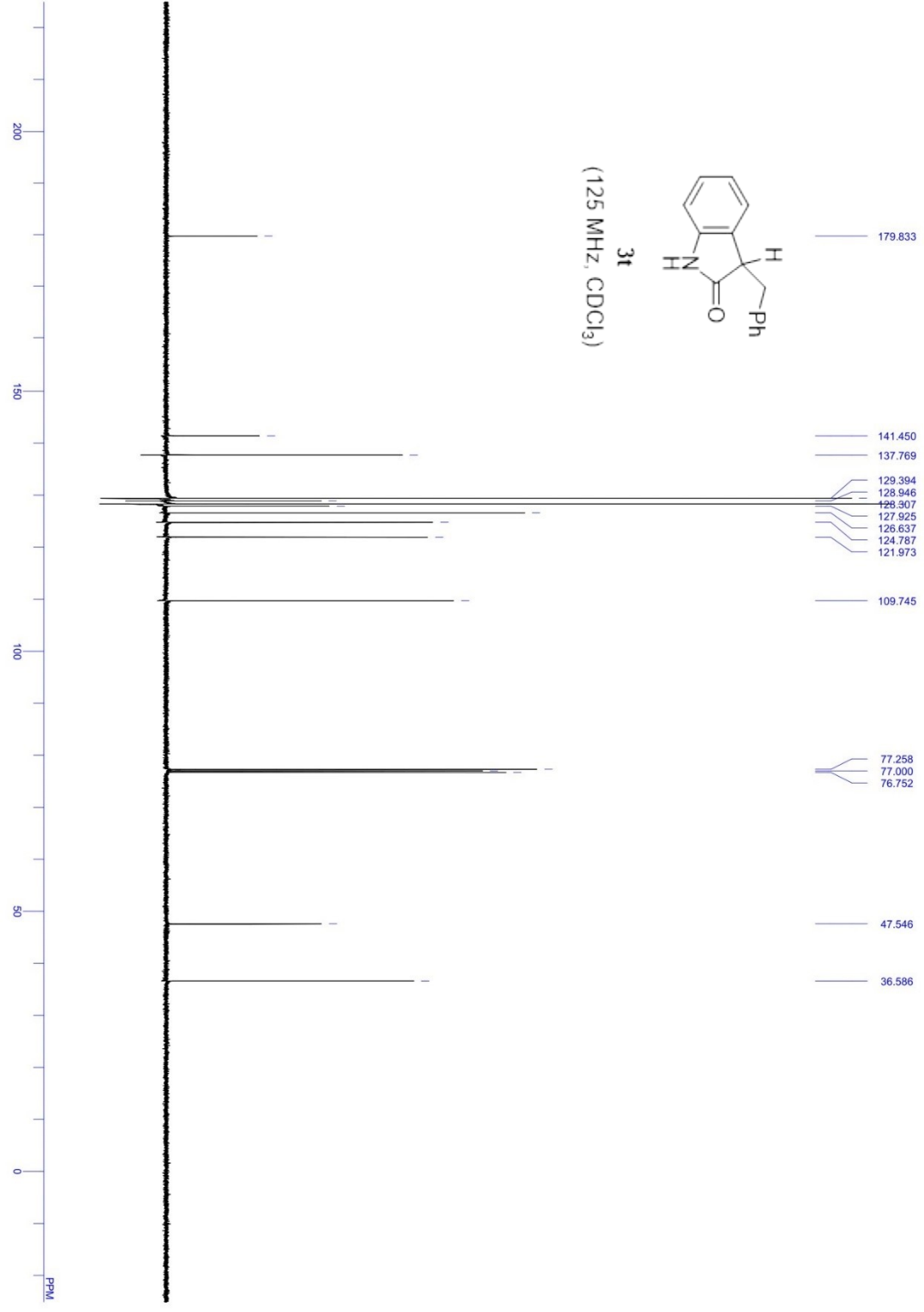
3s
(125 MHz, CDCl₃)

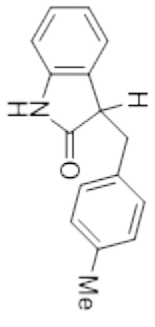




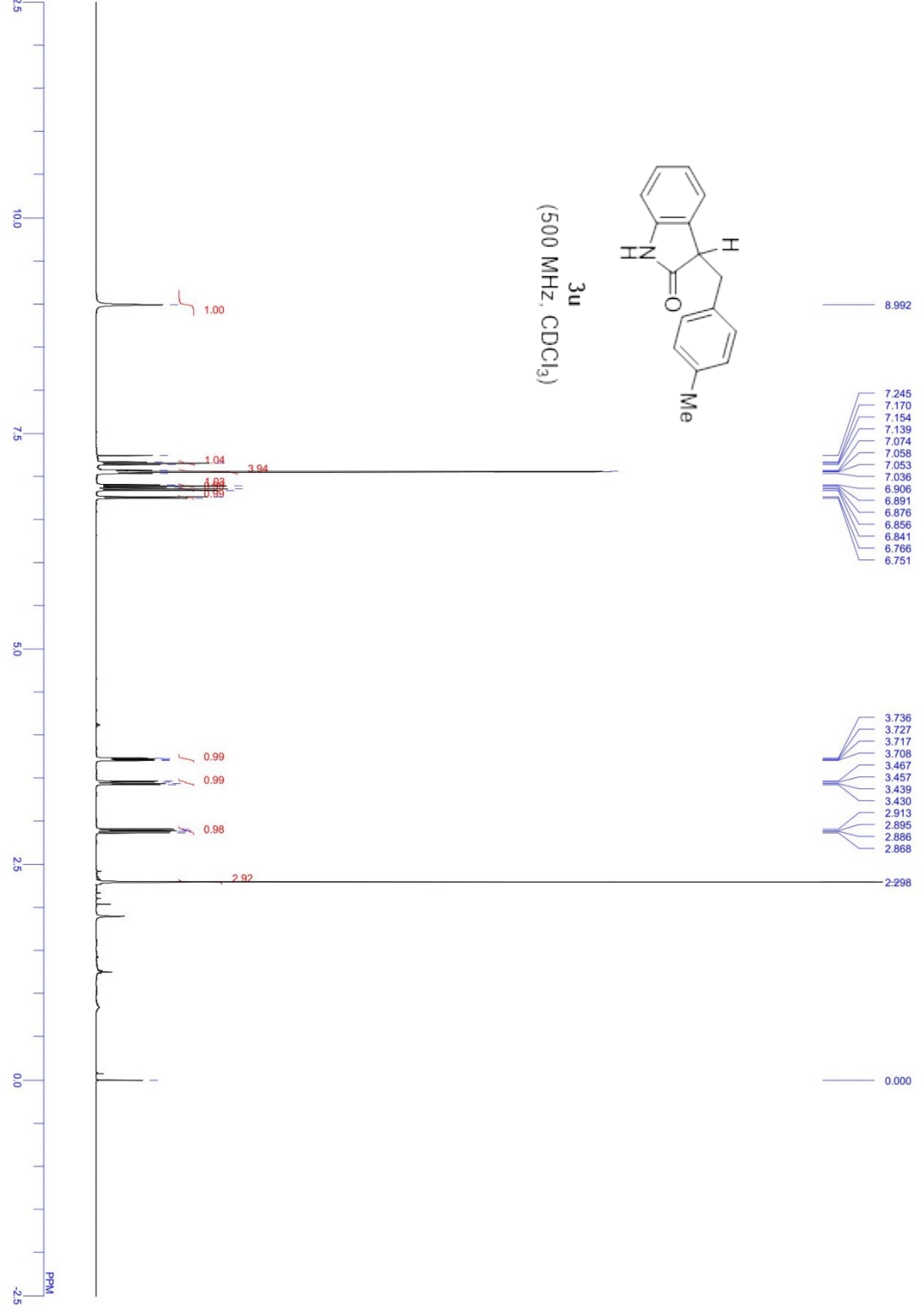


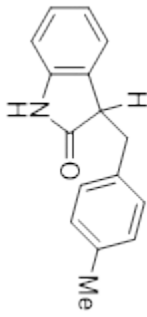
3t
(125 MHz, CDCl₃)



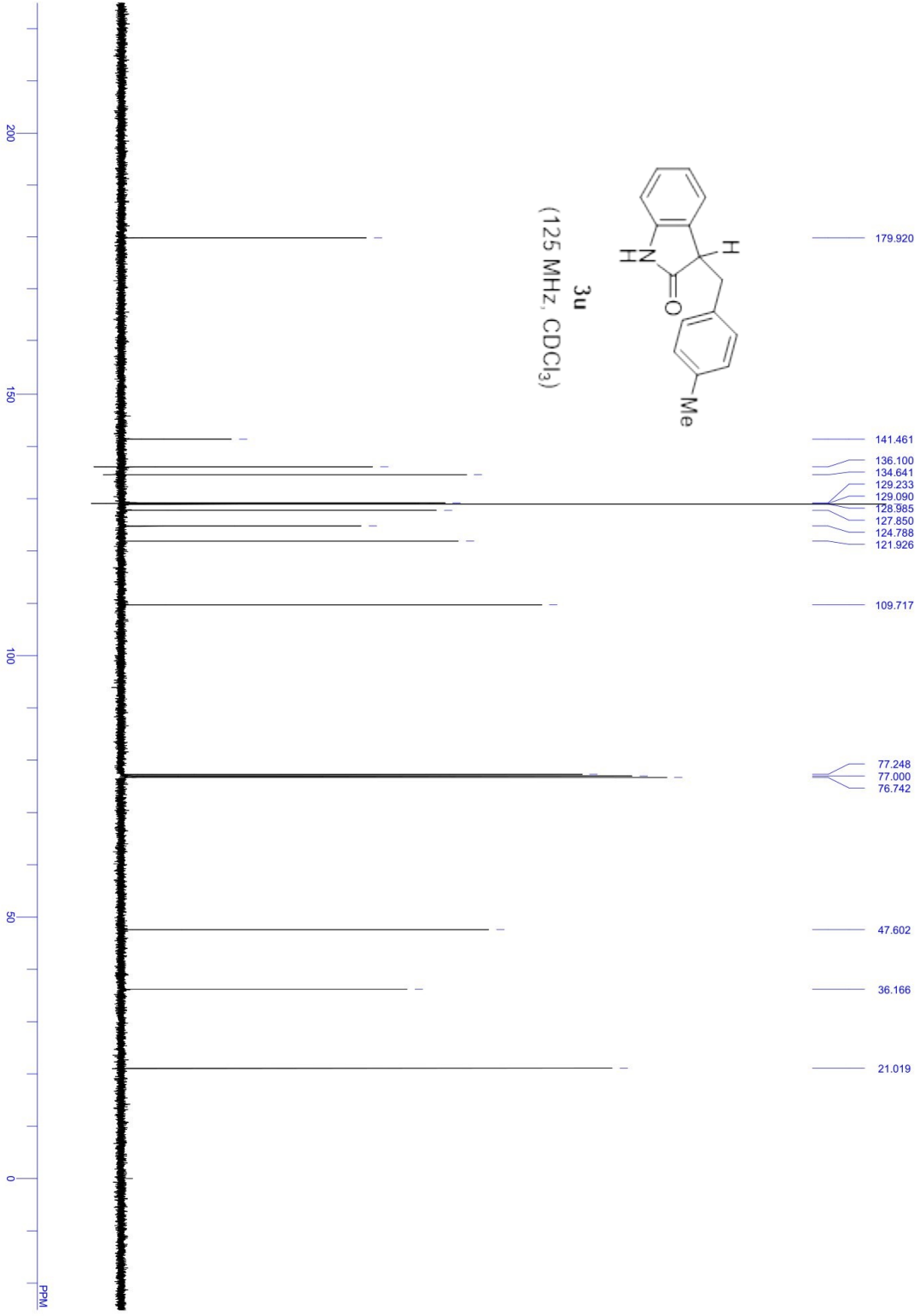


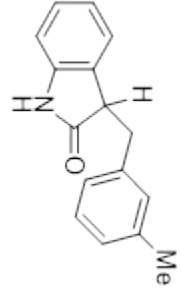
3u
(500 MHz, CDCl₃)



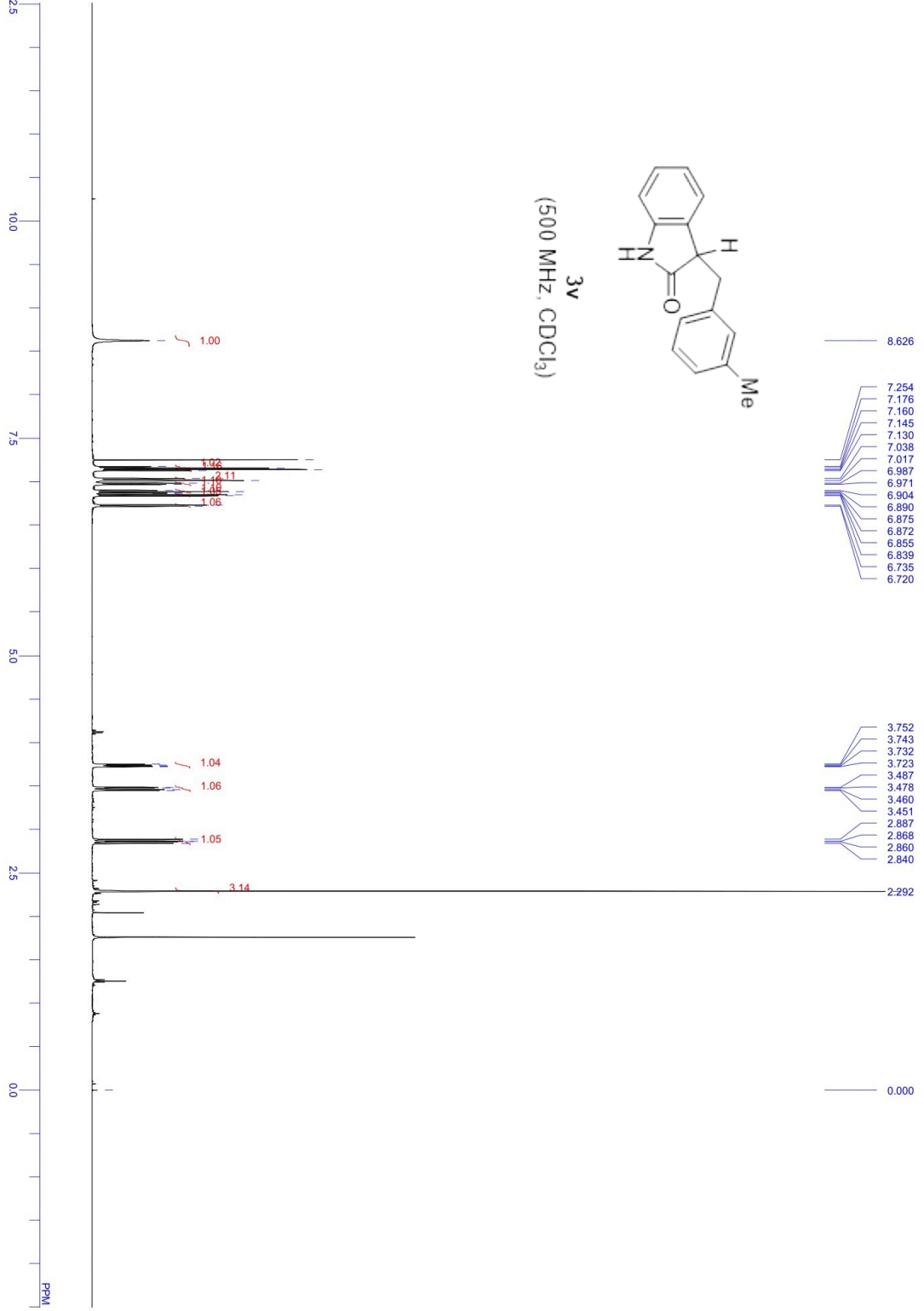


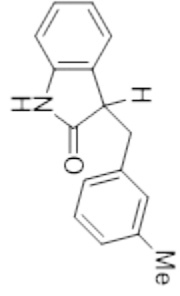
3u
(125 MHz, CDCl₃)



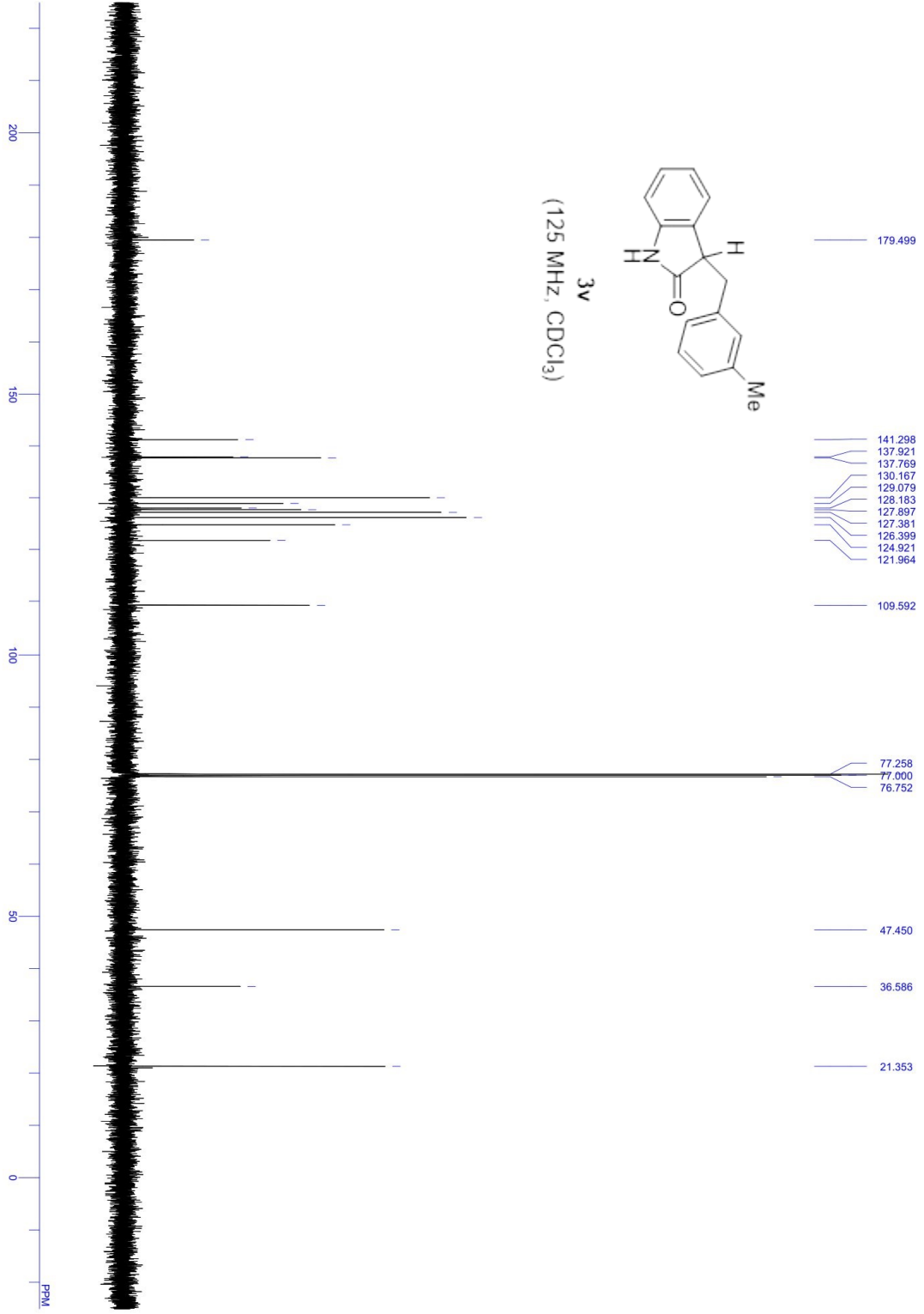


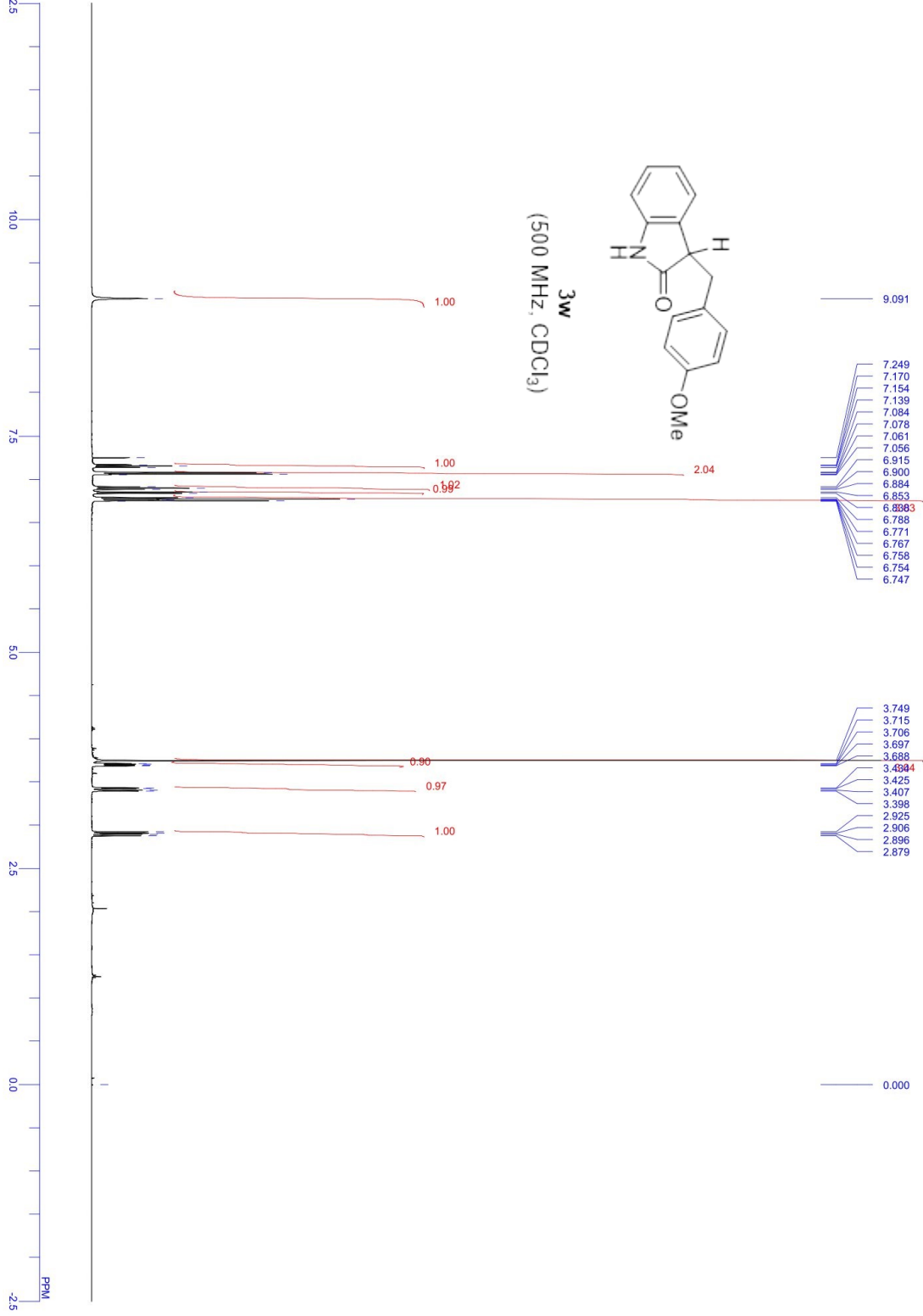
3v
(500 MHz, CDCl₃)

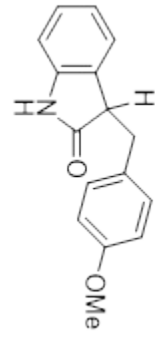




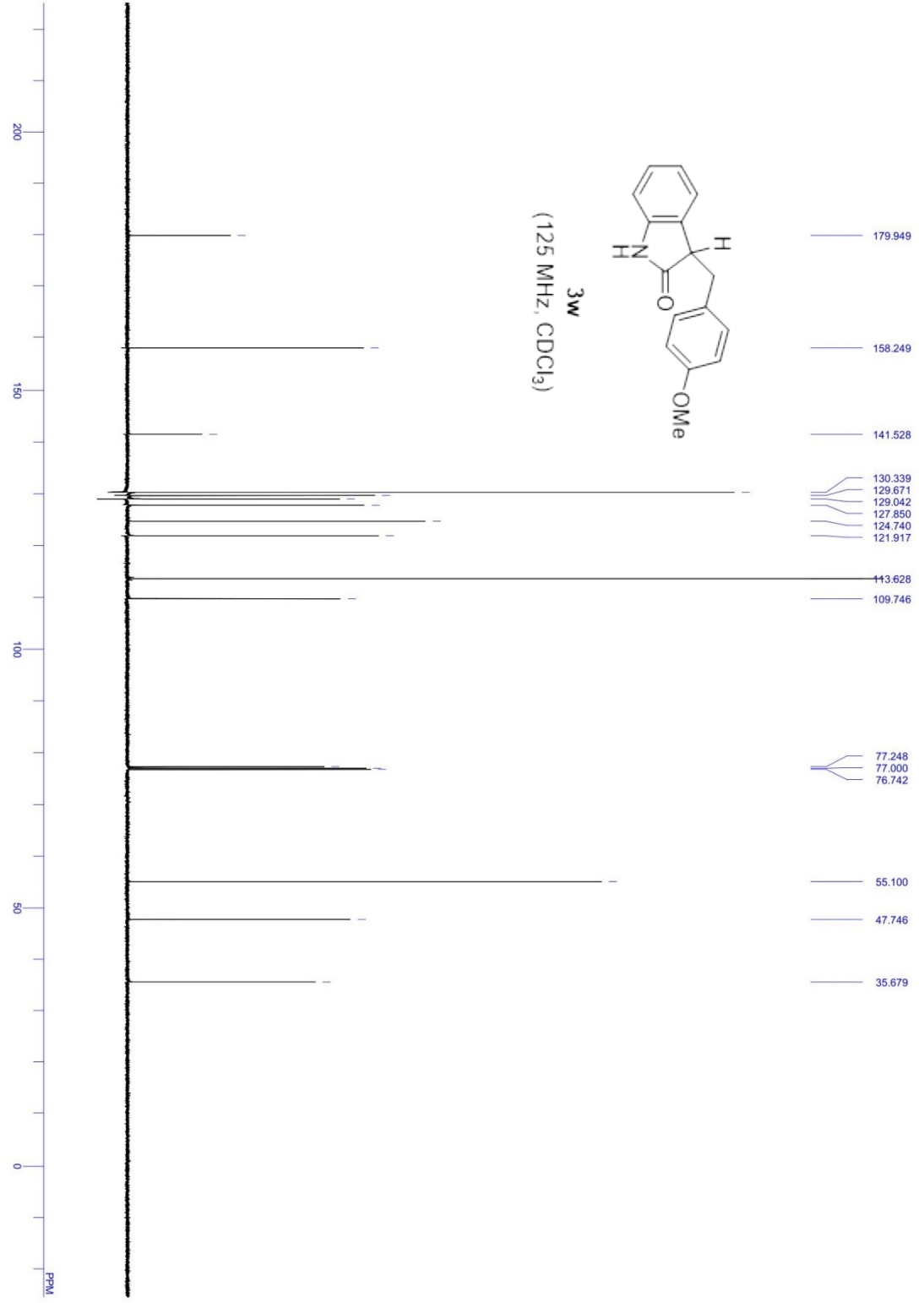
3v
(125 MHz, CDCl₃)



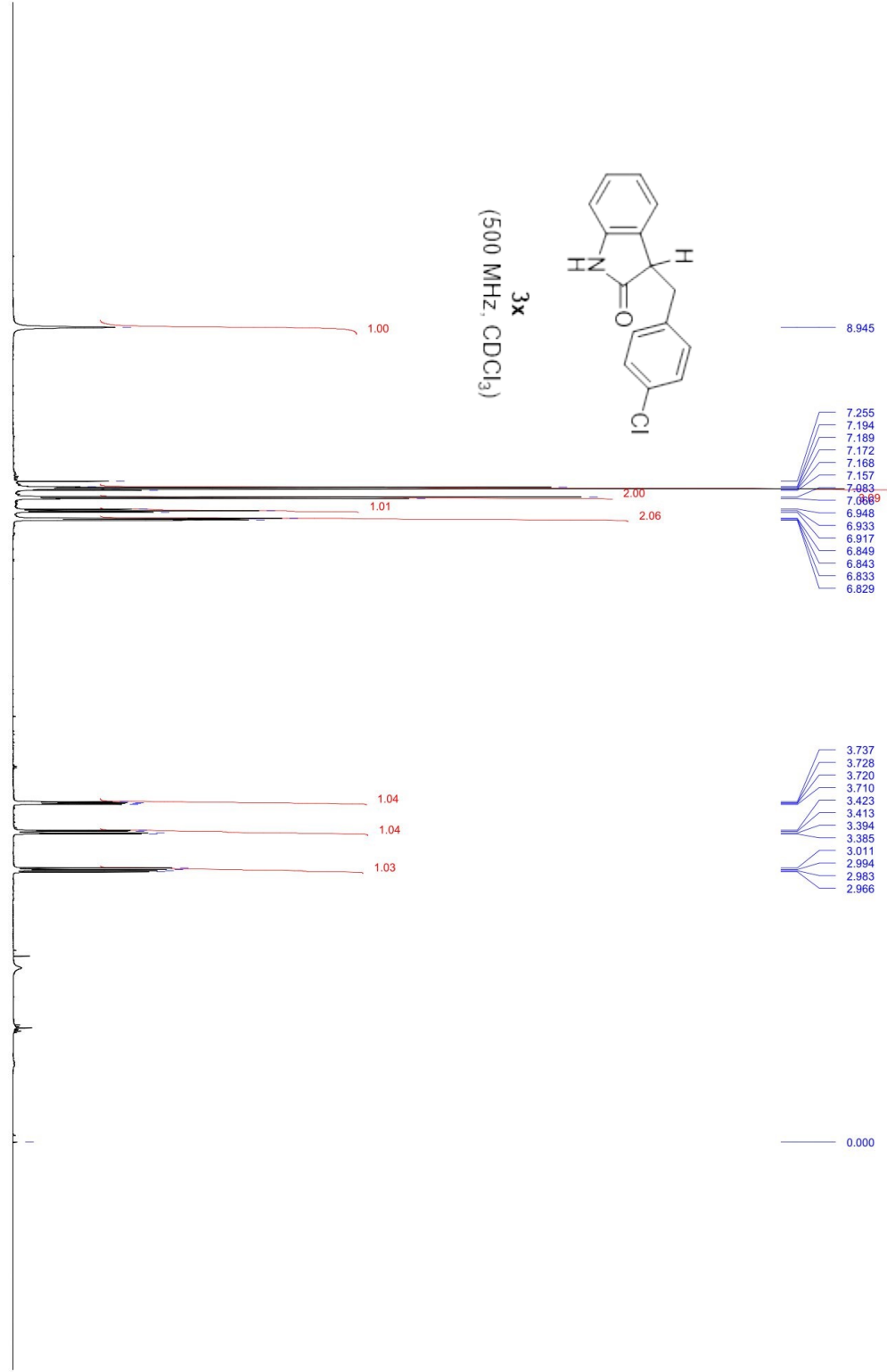


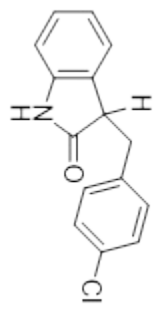


3w
(125 MHz, CDCl₃)

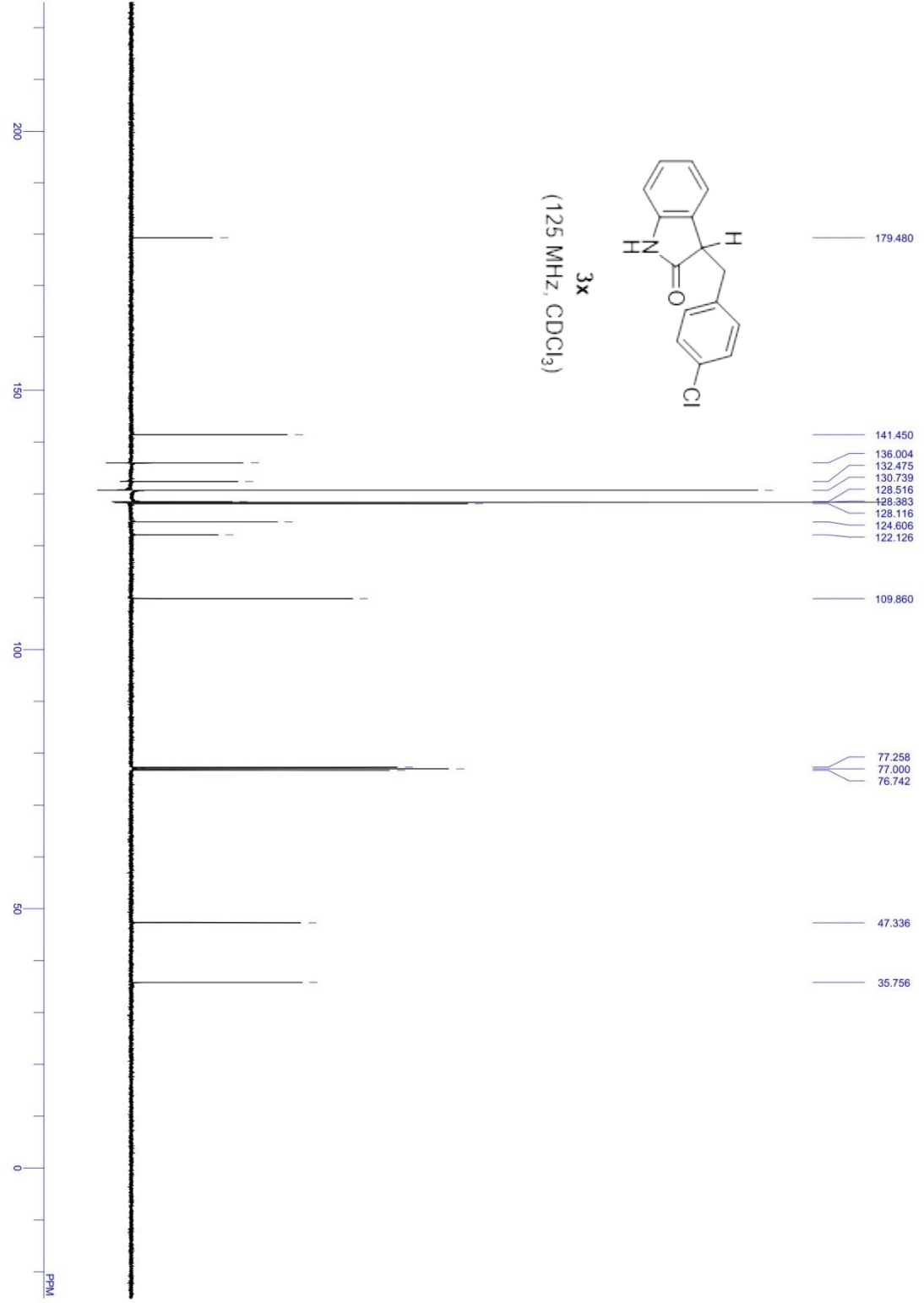


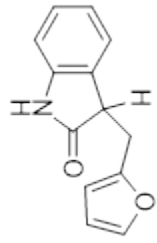
2.5
10.0
7.5
5.0
2.5
0.0
PPM



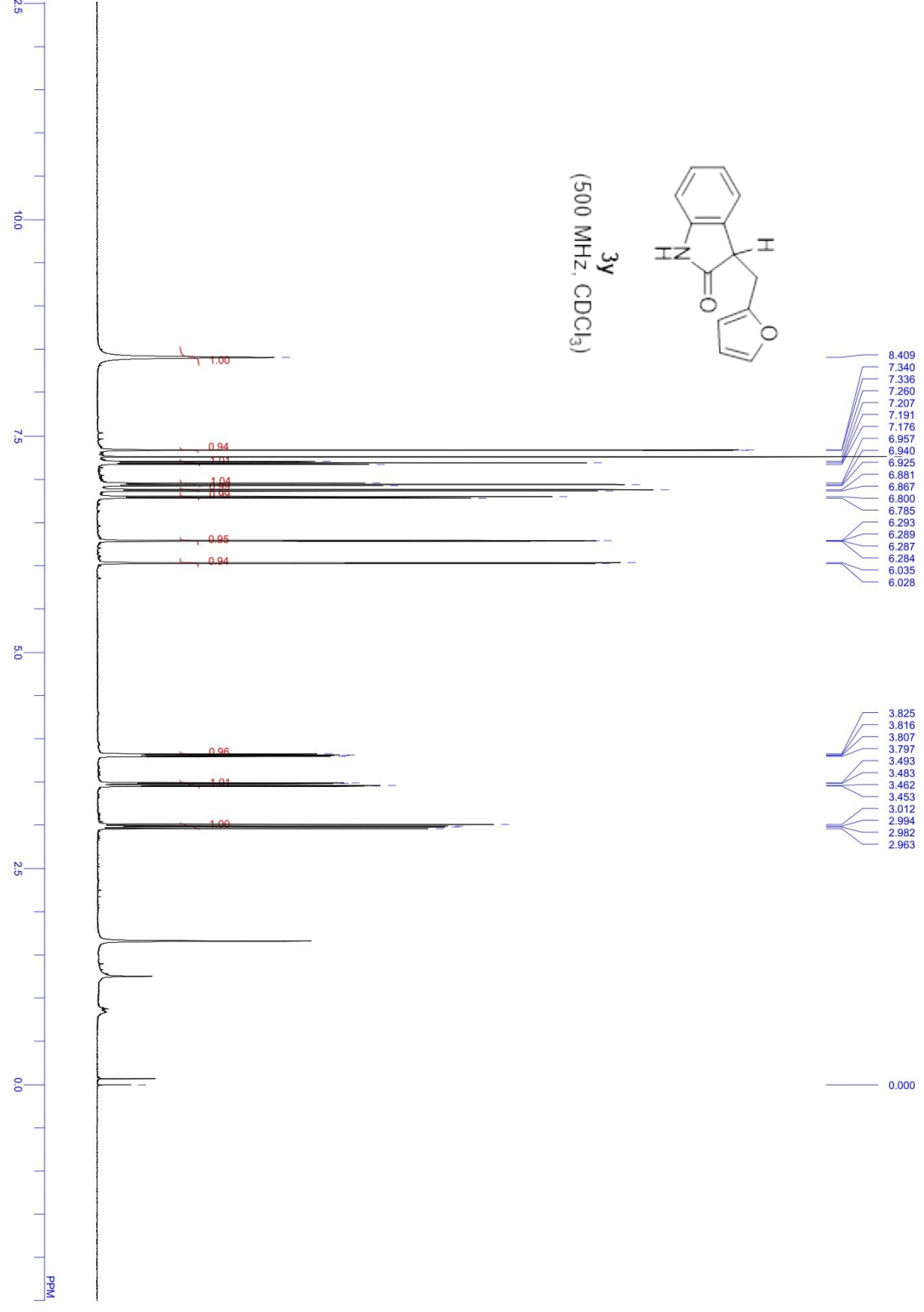


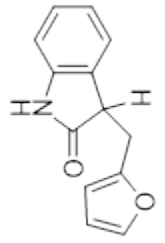
3x
(125 MHz, CDCl₃)





3y
(500 MHz, CDCl₃)

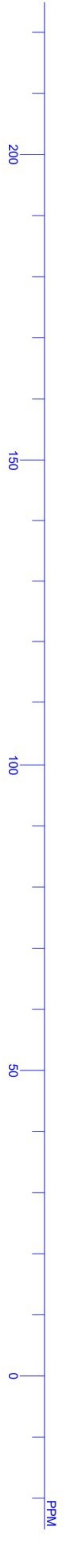


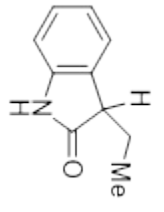


3y

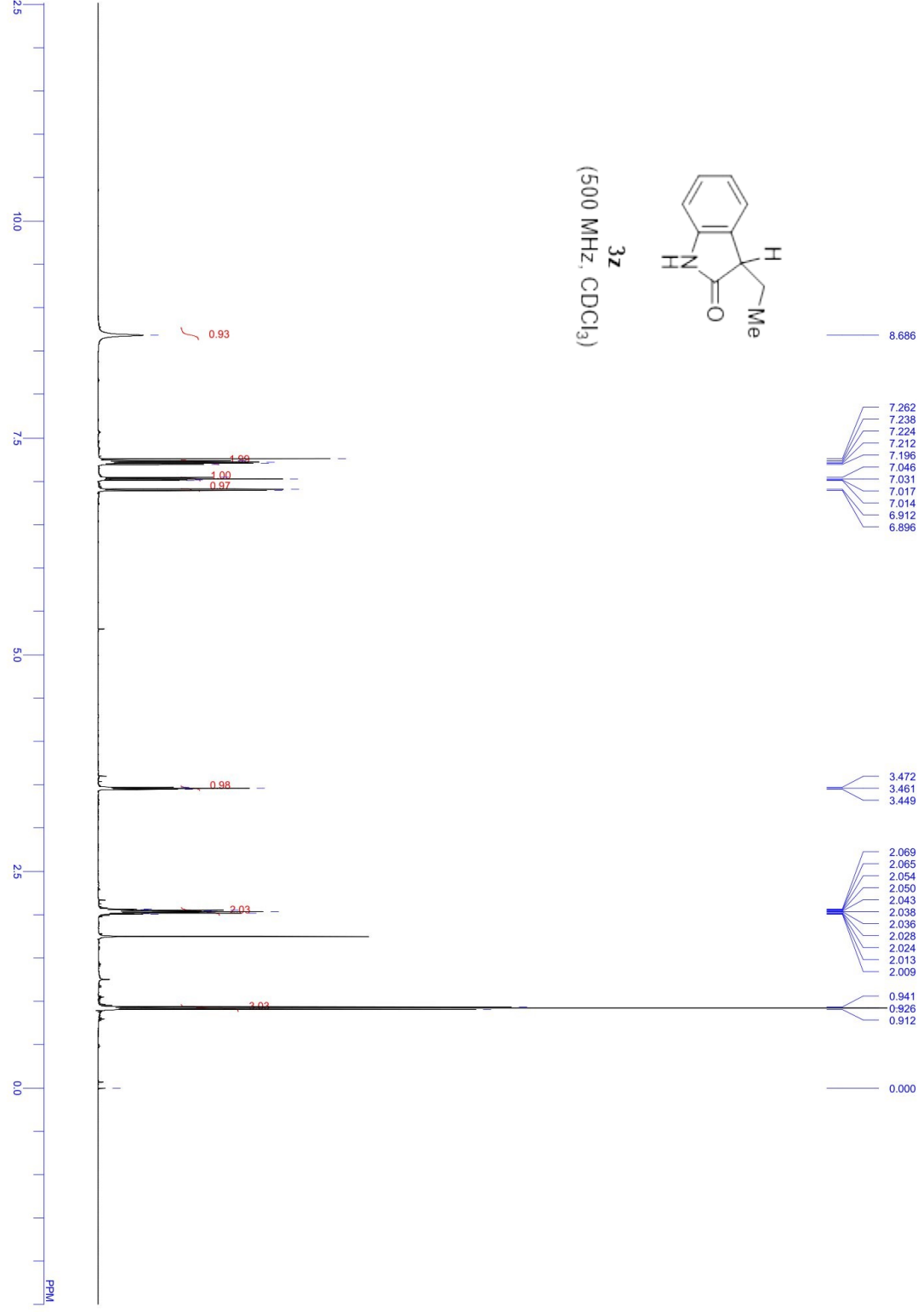
(125 MHz, CDCl₃)

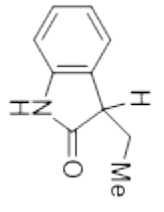
- 178.993
- 151.876
- 141.536
- 141.222
- 128.717
- 128.068
- 124.711
- 122.269
- 110.336
- 109.592
- 107.294
- 77.258
- 77.000
- 76.742
- 45.056
- 29.041



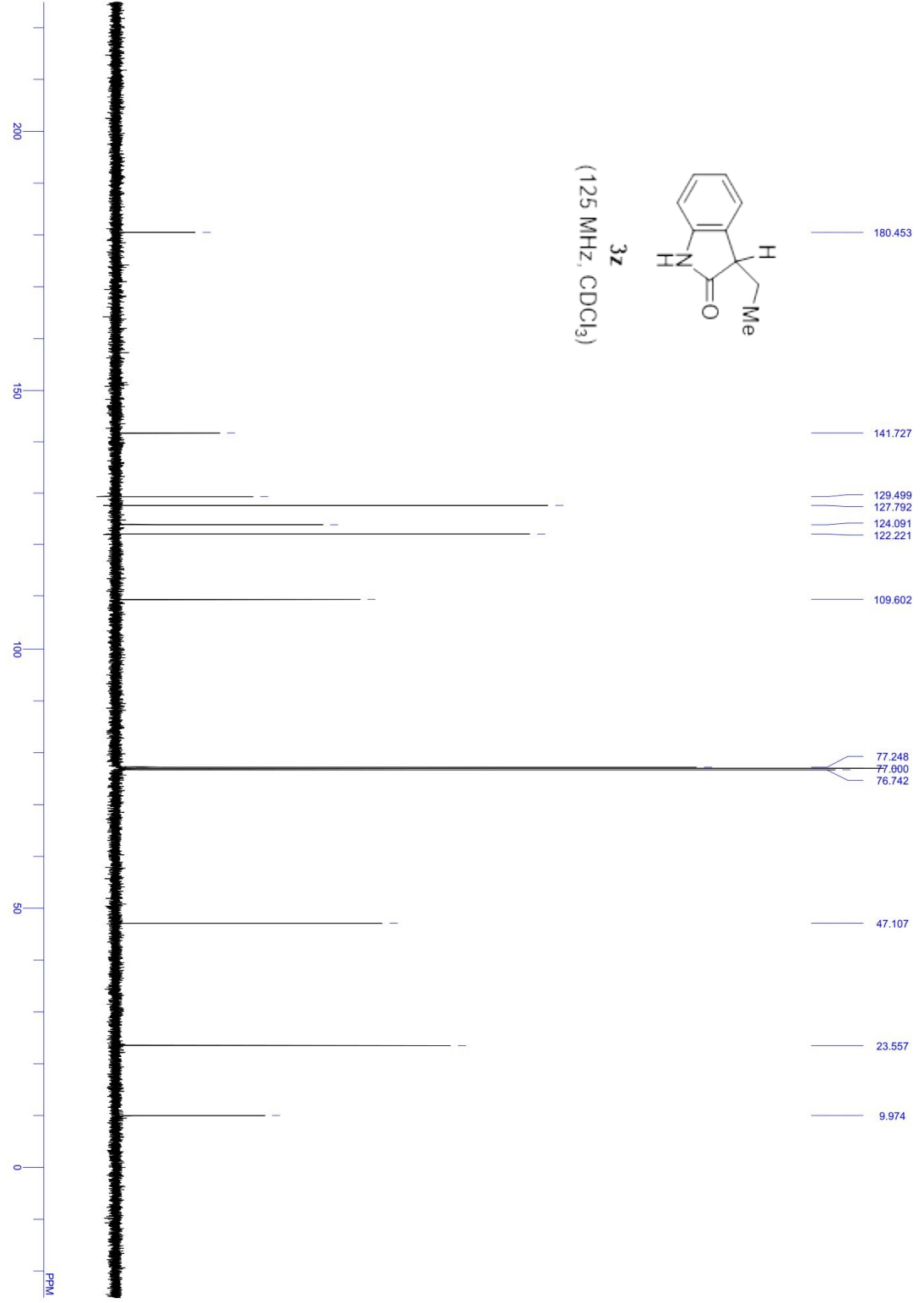


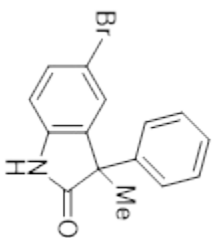
3z
(500 MHz, CDCl₃)



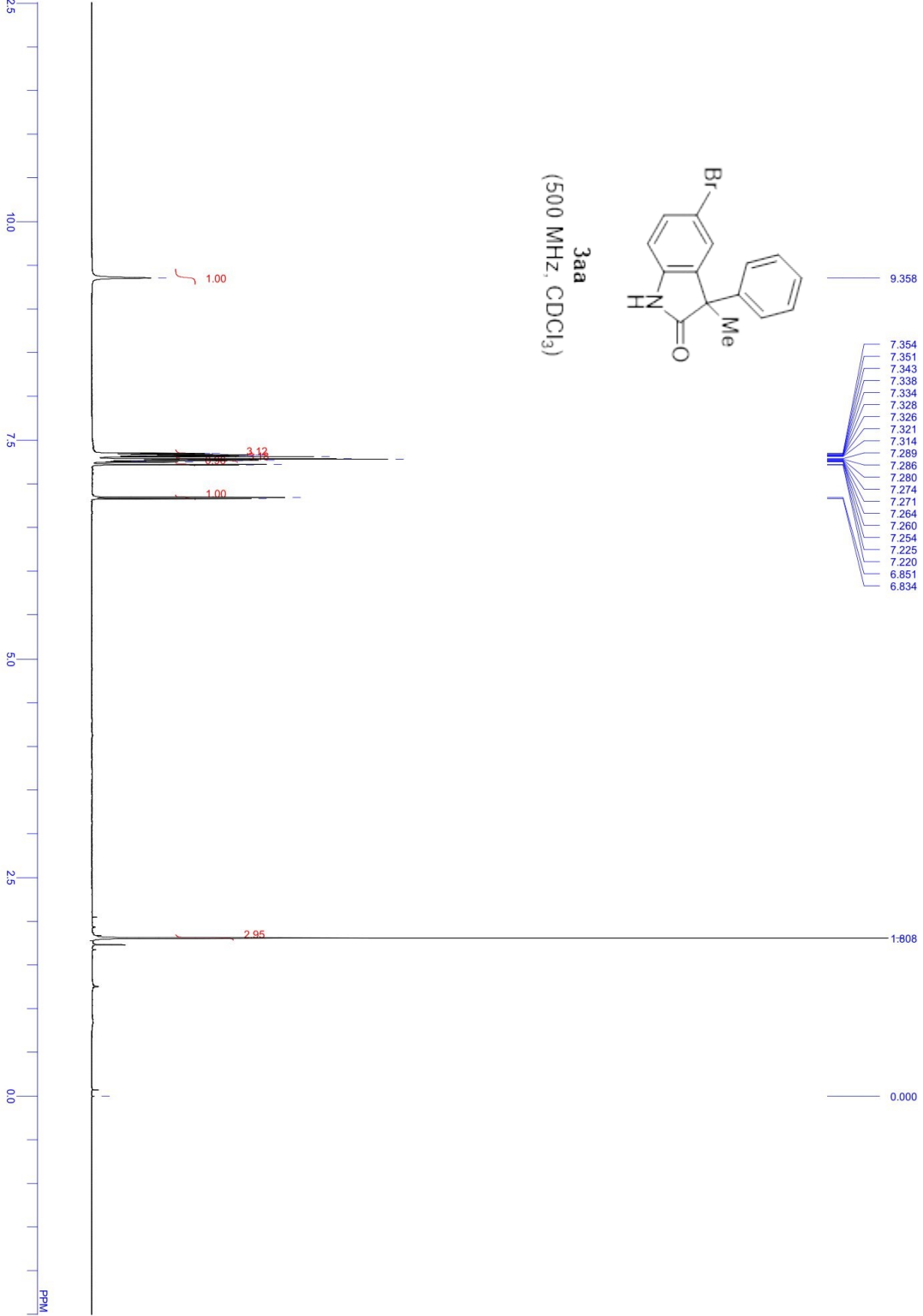


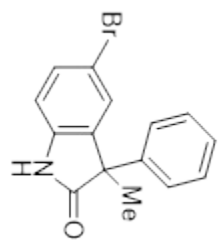
3z
(125 MHz, CDCl₃)



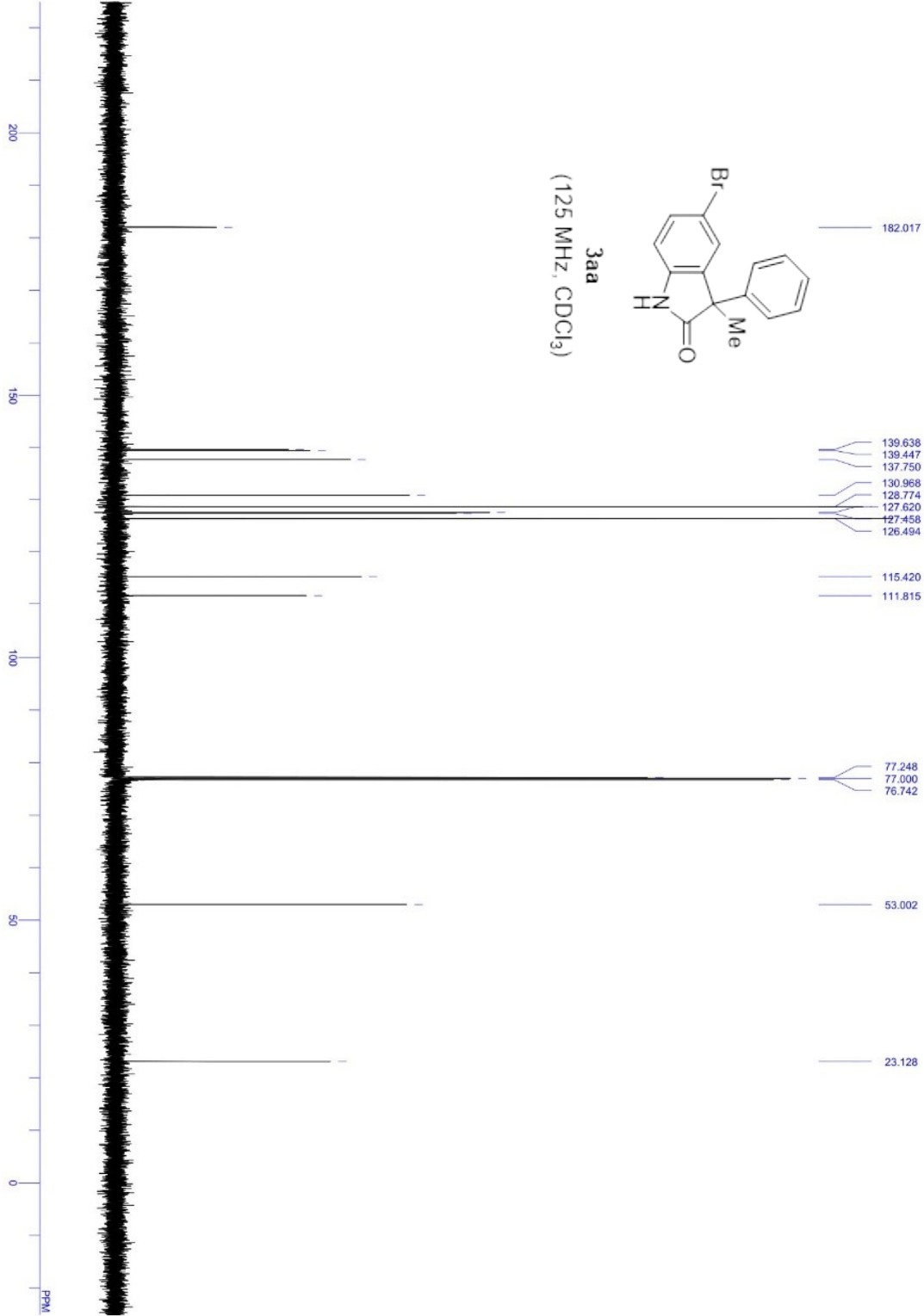


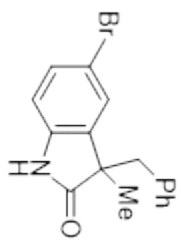
3aa
(500 MHz, CDCl₃)



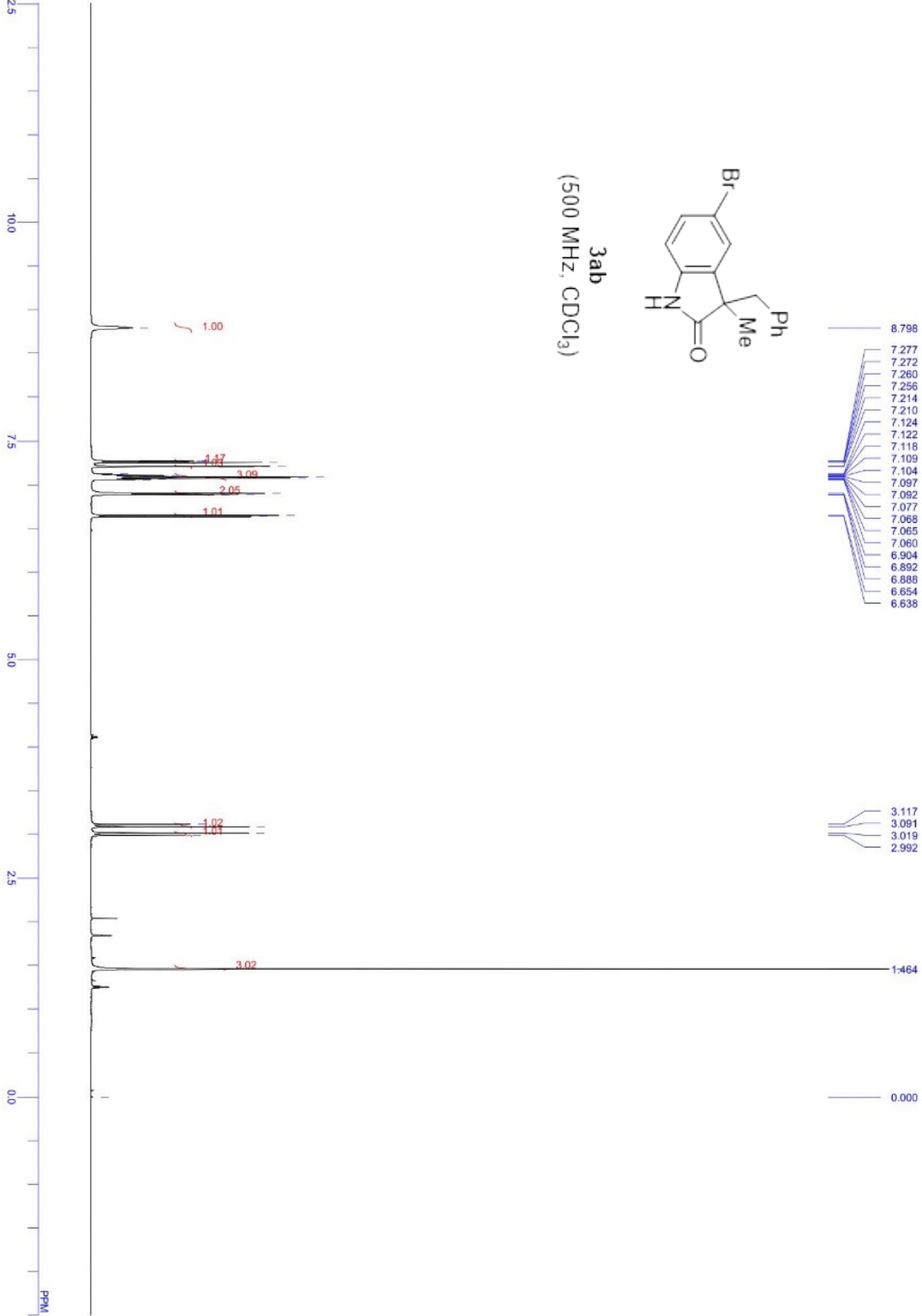


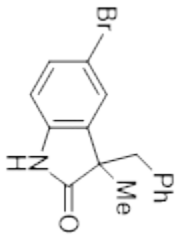
3aa
(125 MHz, CDCl₃)



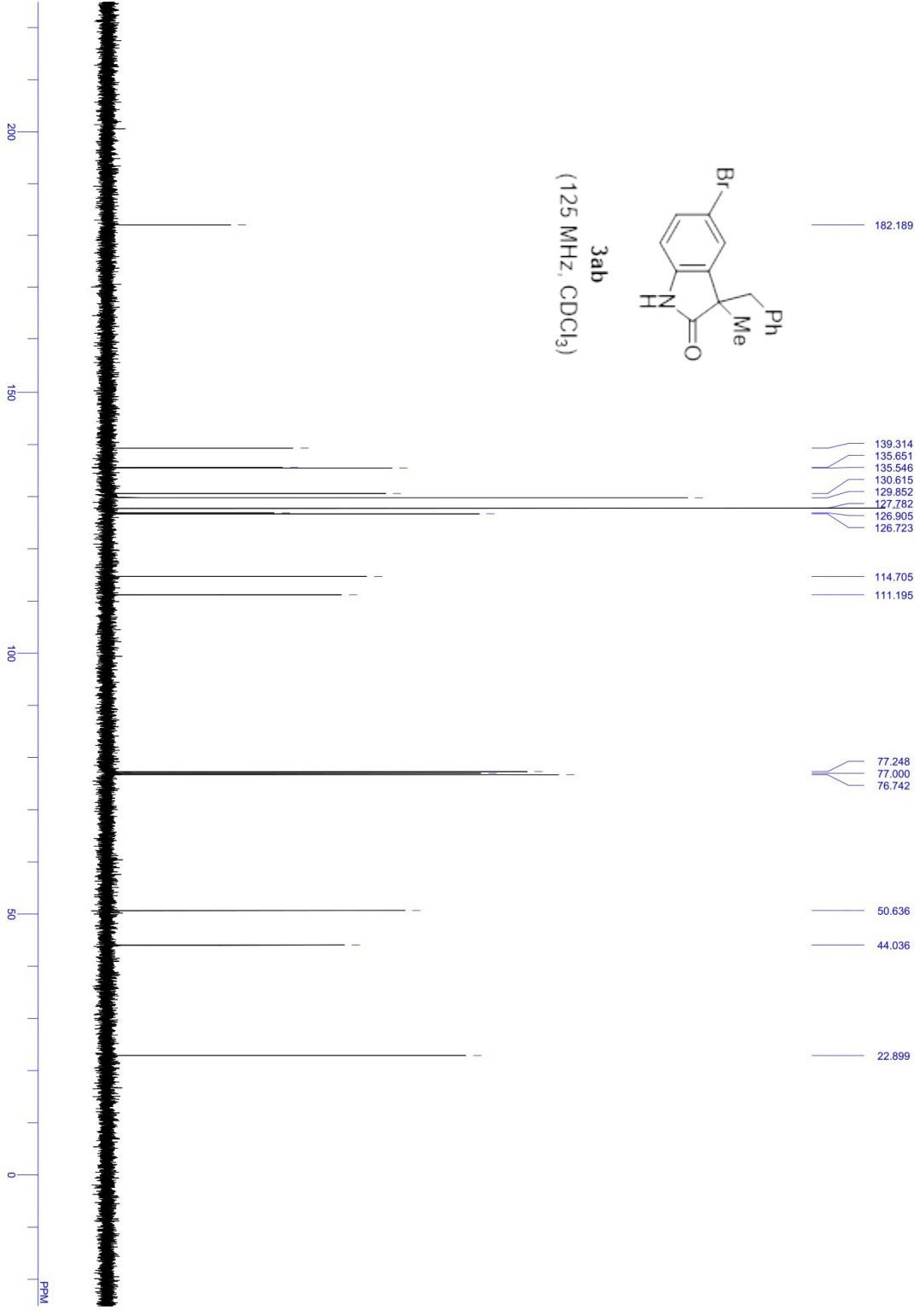


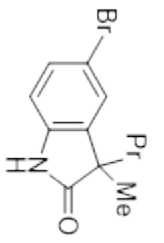
3alb
(500 MHz, CDCl₃)



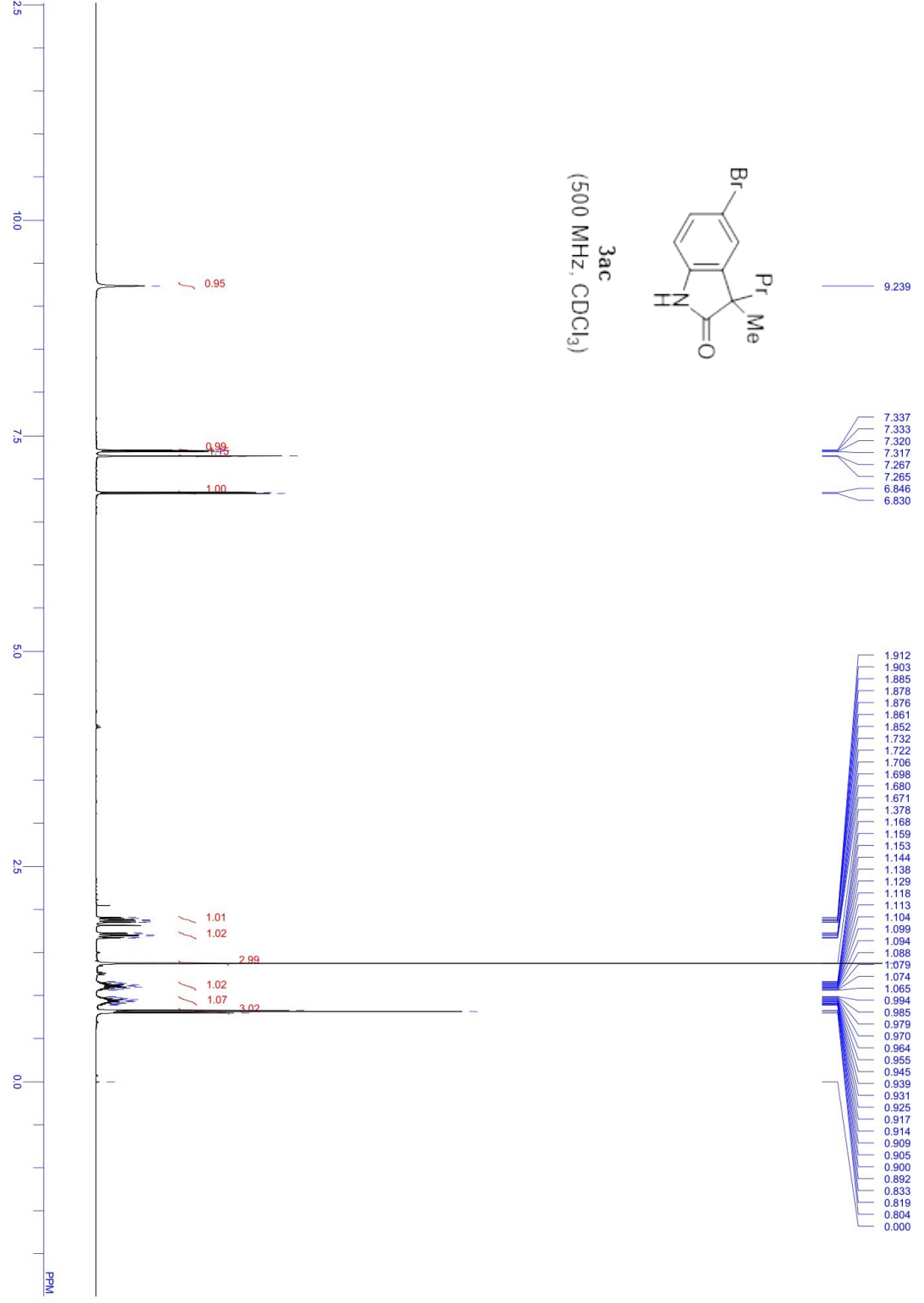


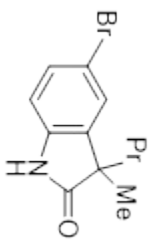
3ab
(125 MHz, CDCl₃)



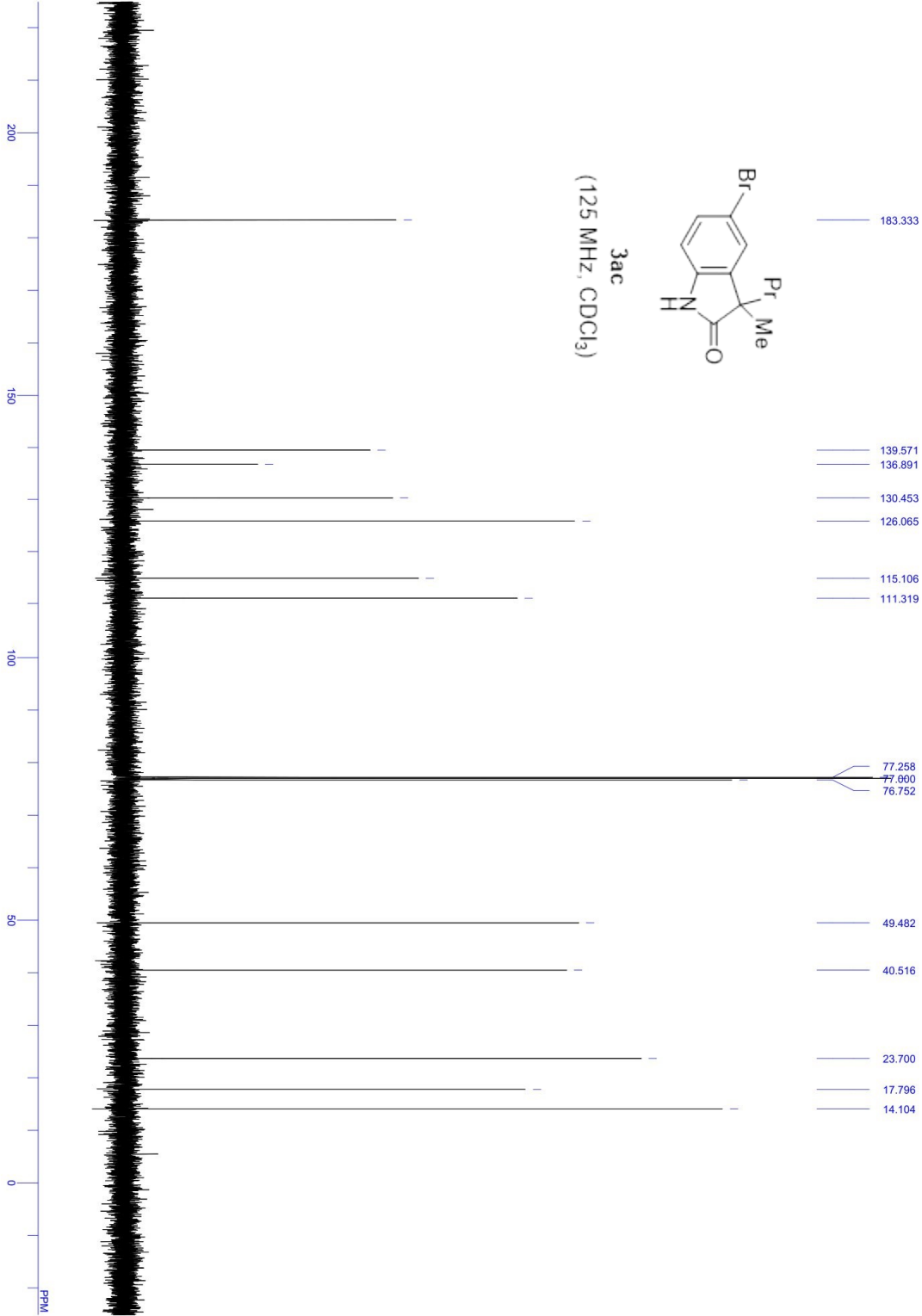


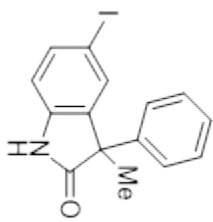
3ac
(500 MHz, CDCl₃)



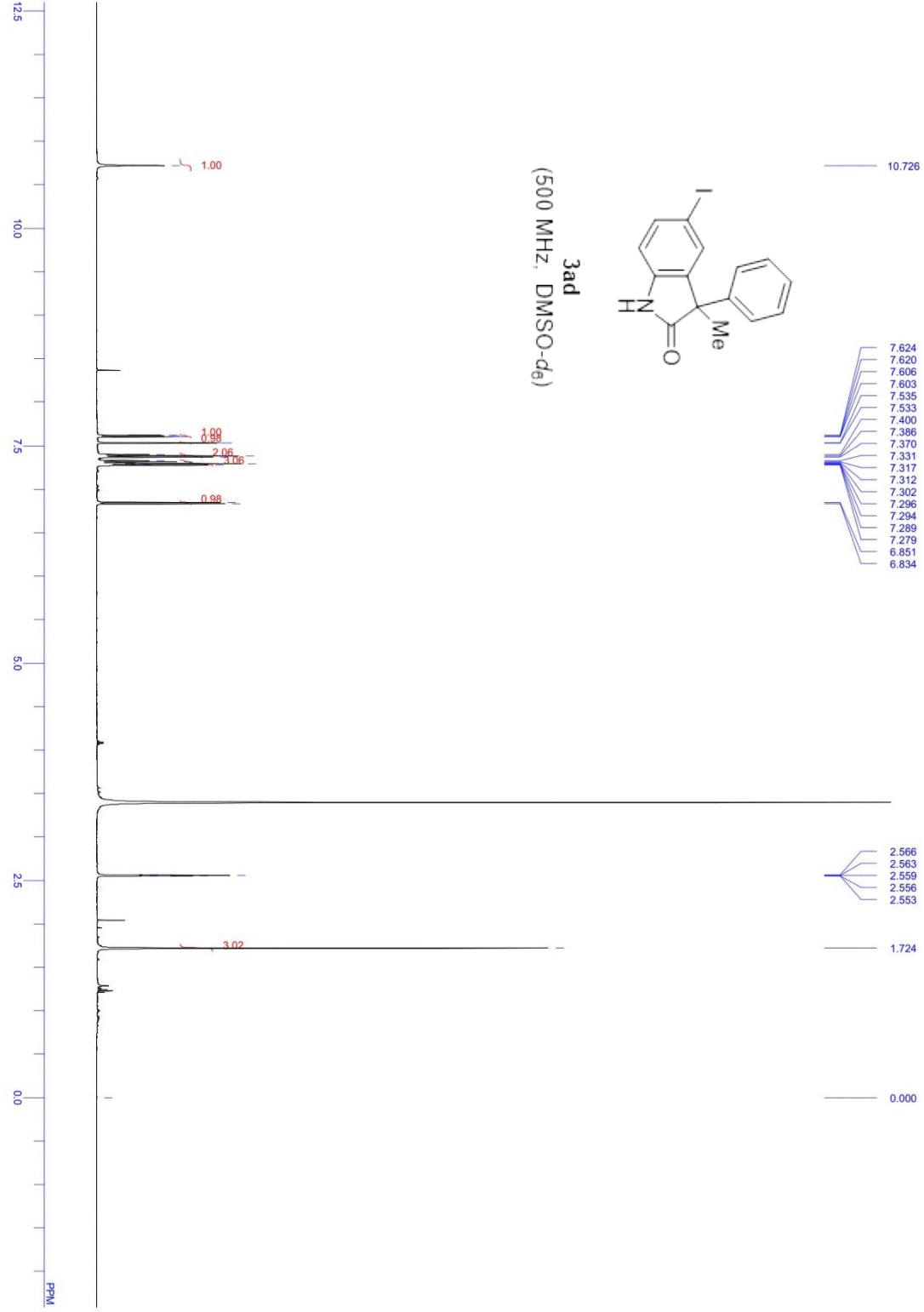


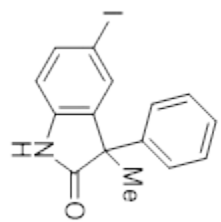
3ac
(125 MHz, CDCl₃)



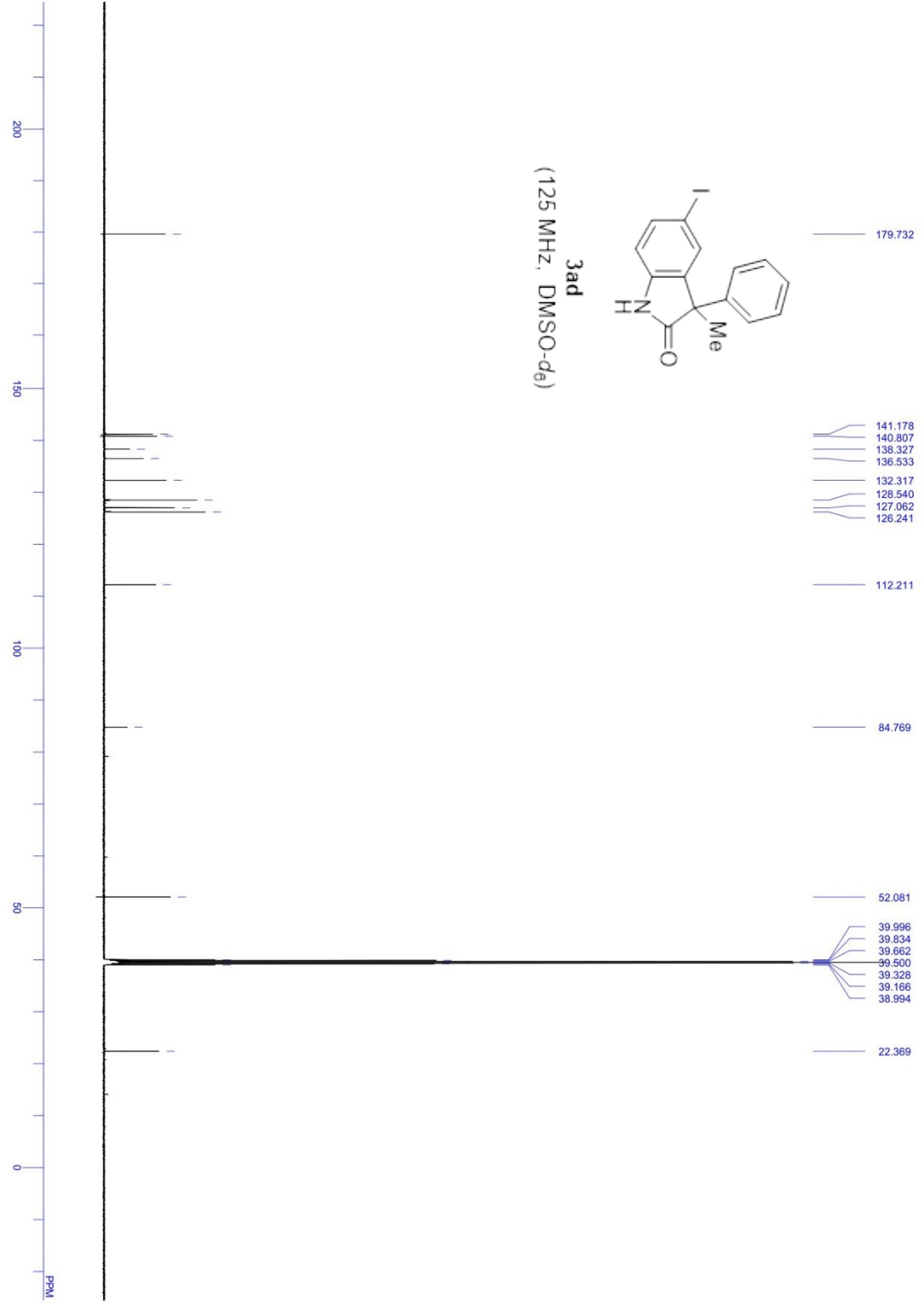


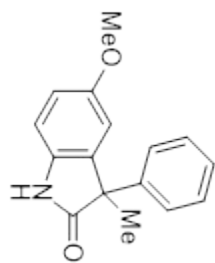
3ad
(500 MHz, DMSO-d₆)



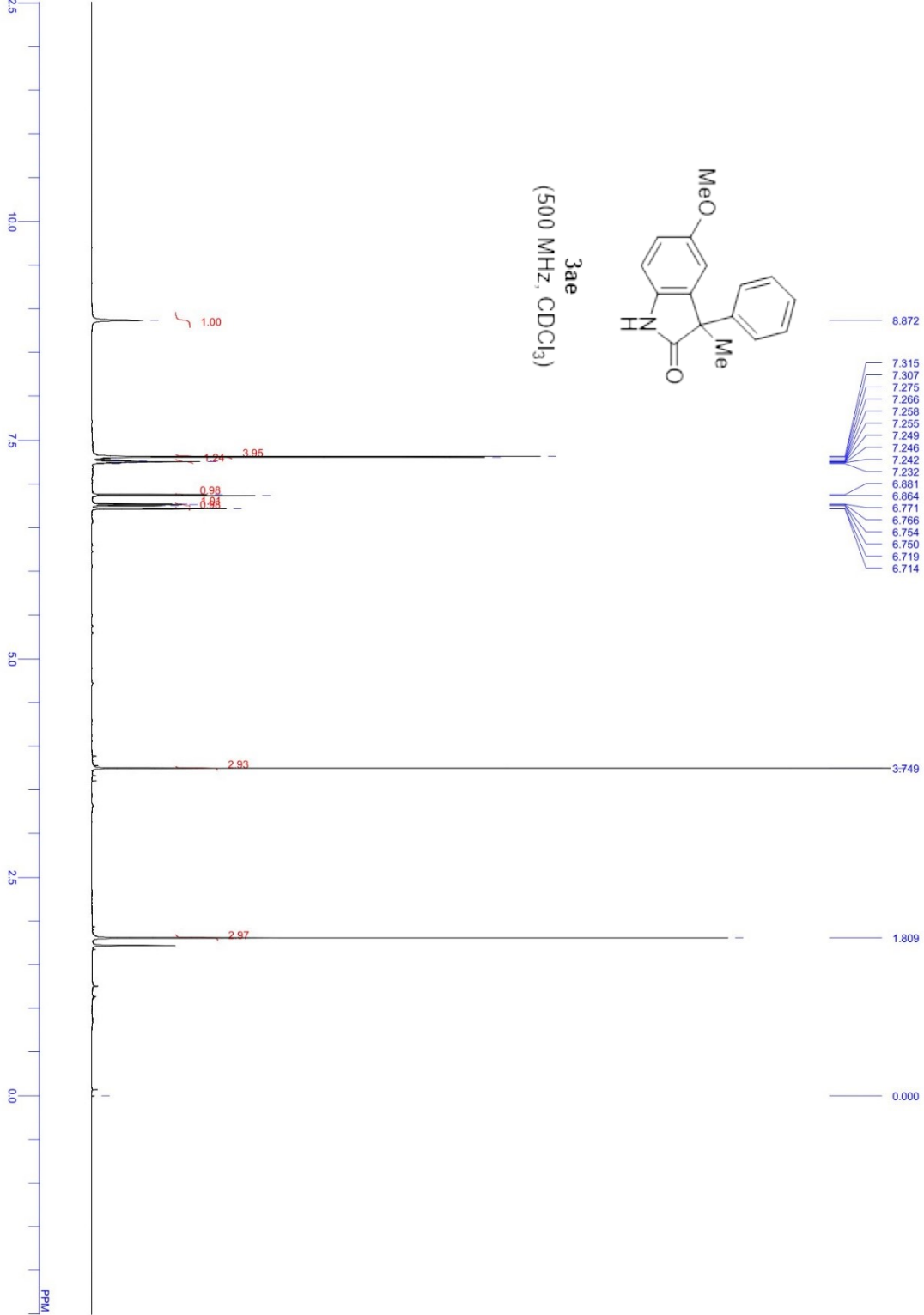


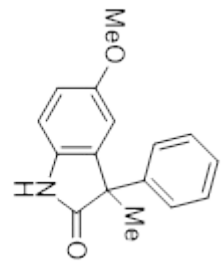
3ad
(125 MHz, DMSO-d₆)



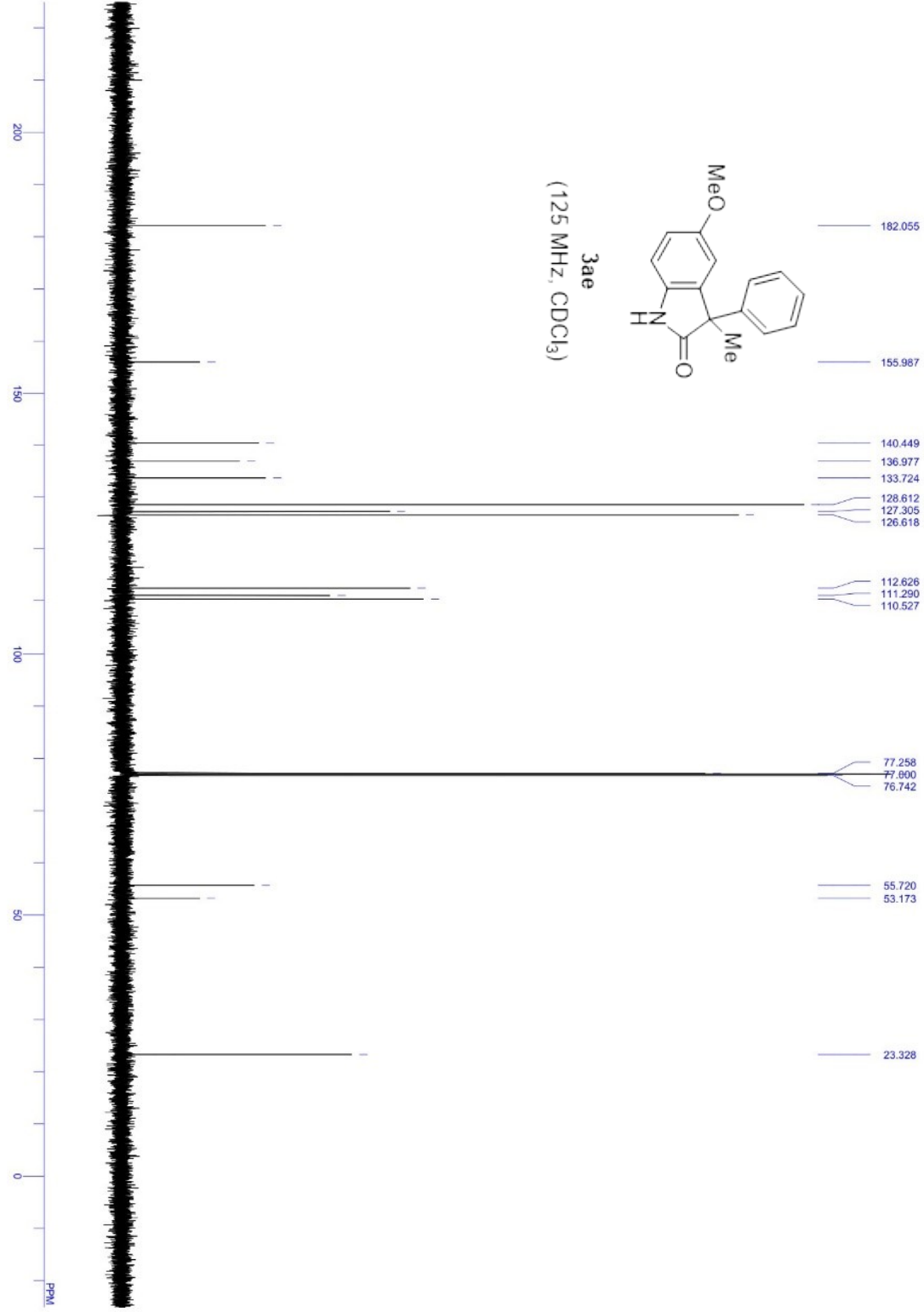


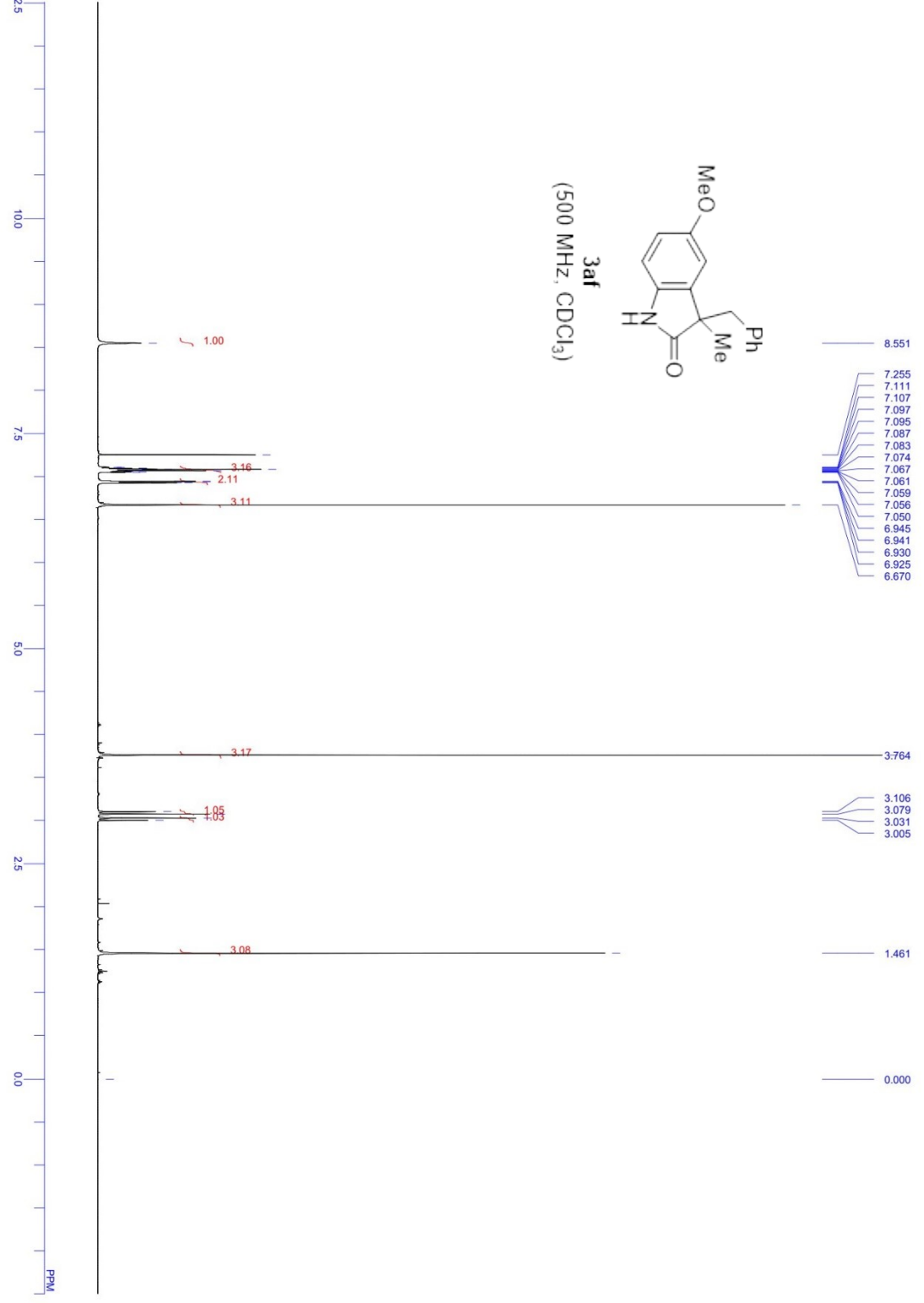
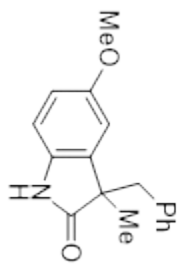
3ae
(500 MHz, CDCl₃)

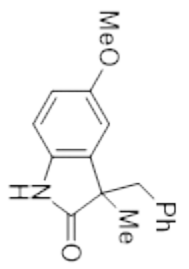




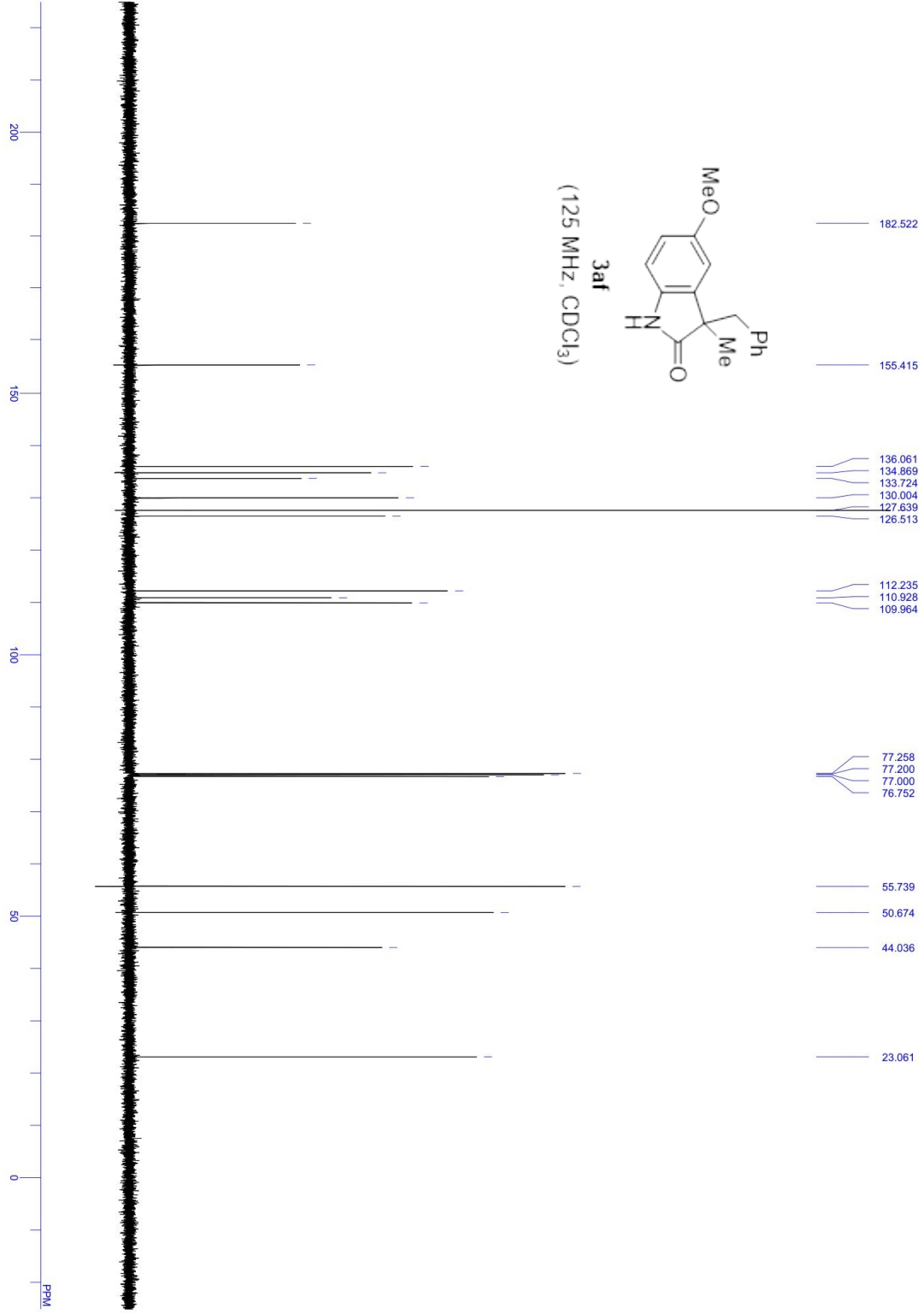
3ae
(125 MHz, CDCl₃)

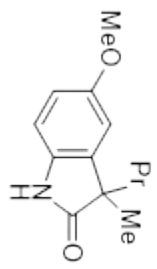




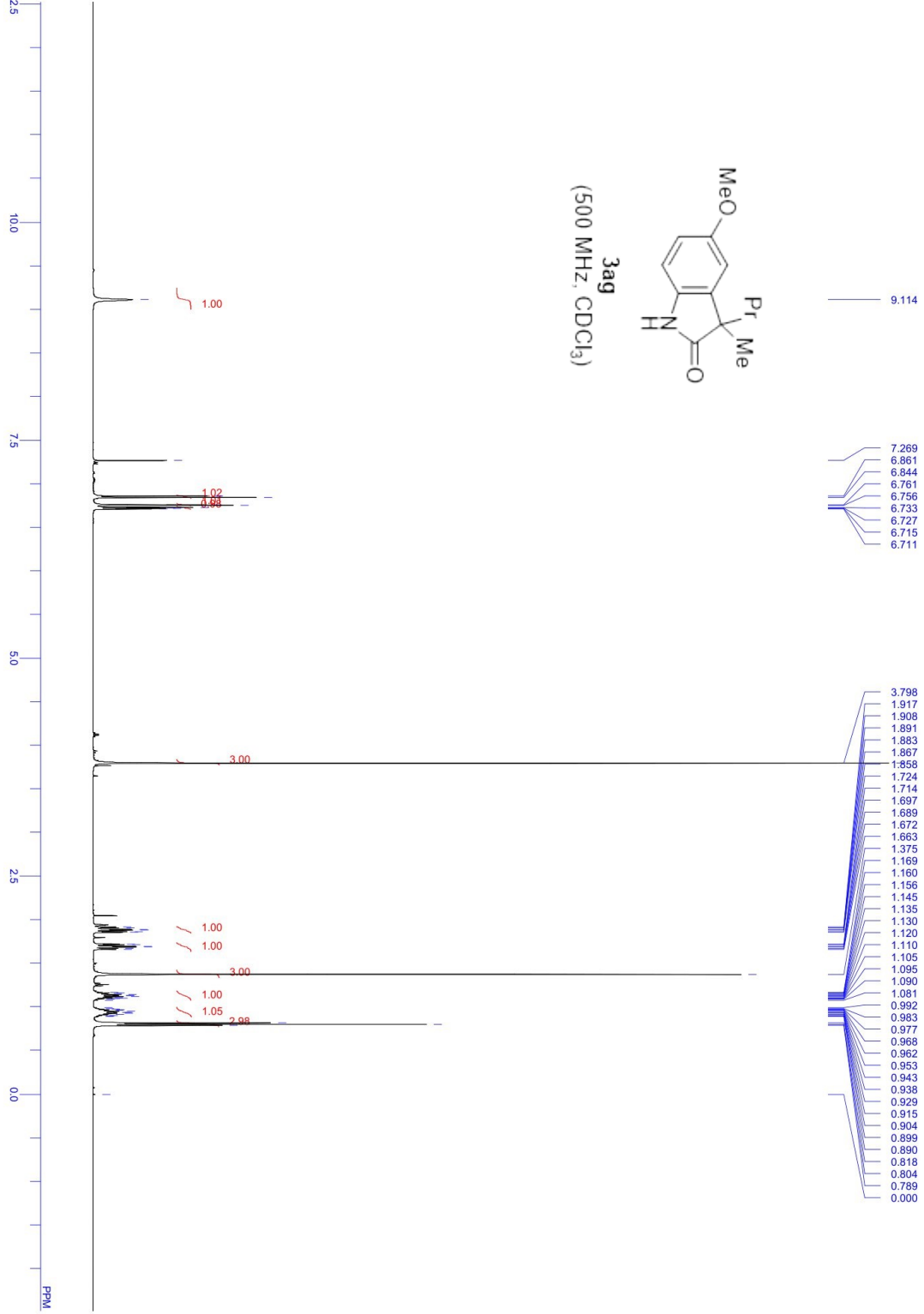


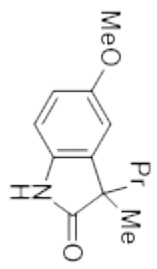
(125 MHz, CDCl₃)



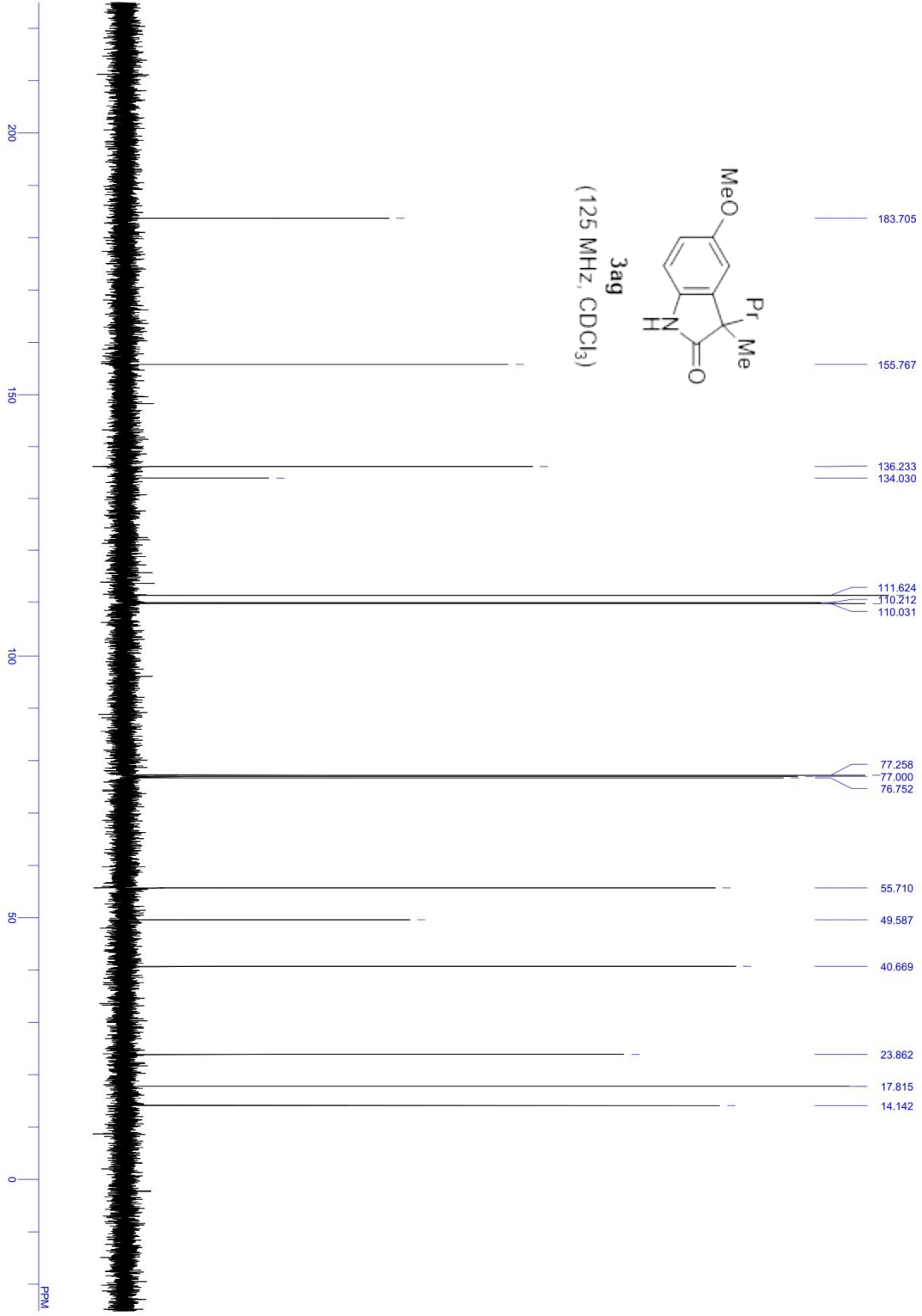


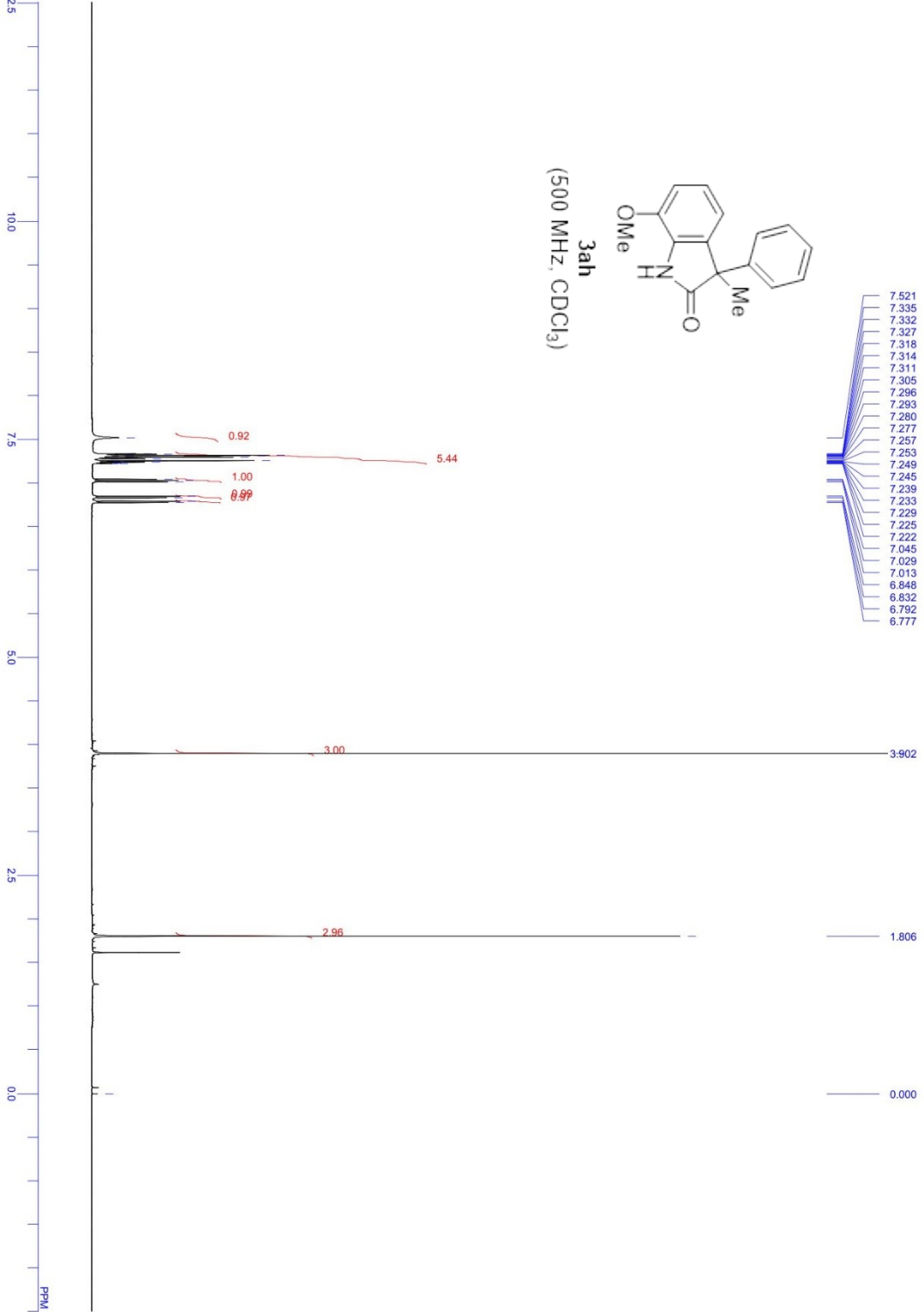
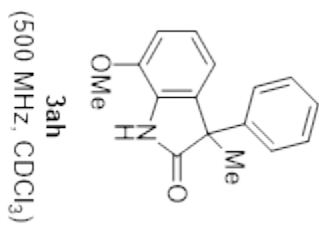
3a9
(500 MHz, CDCl₃)



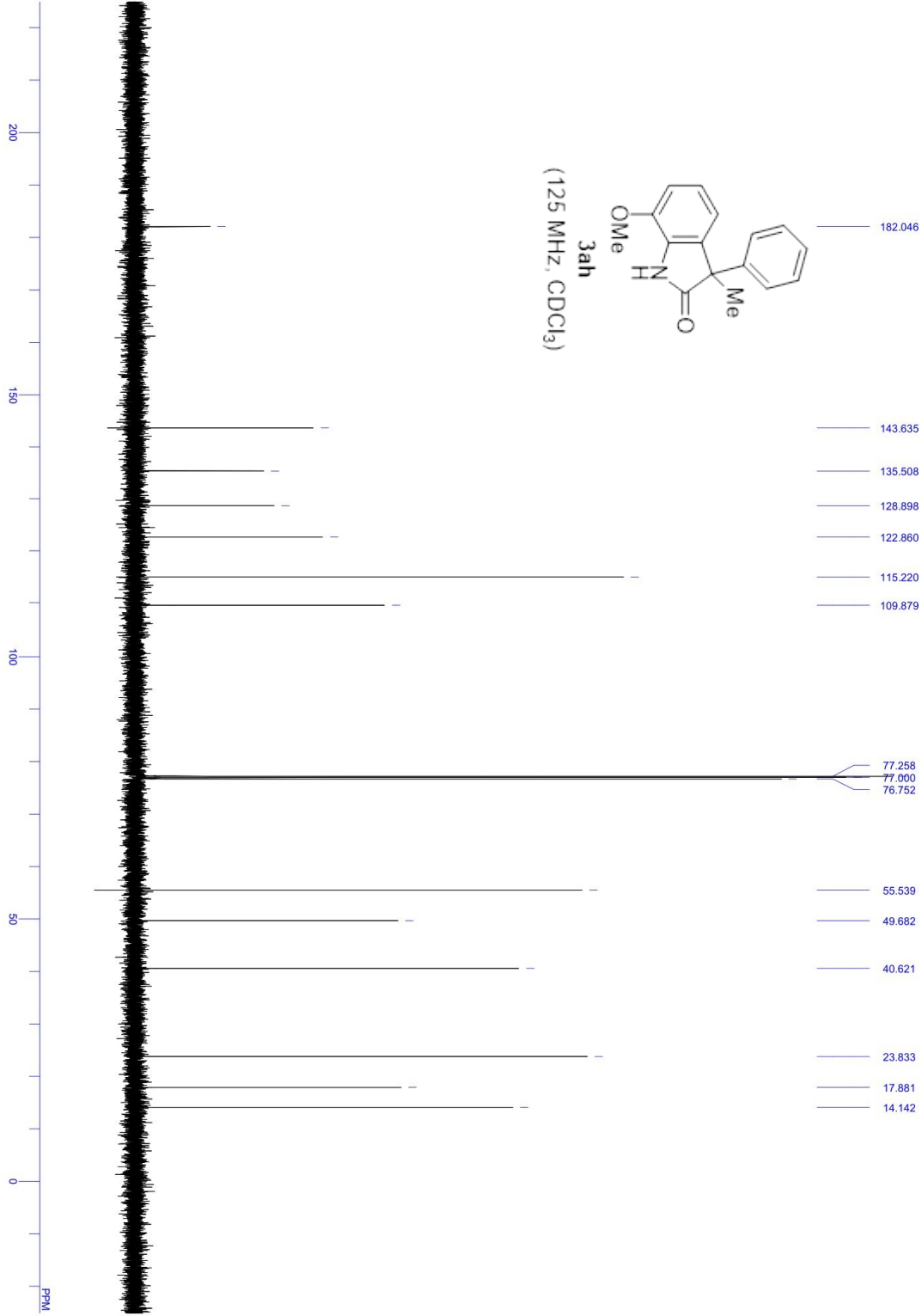
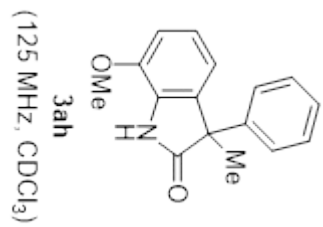


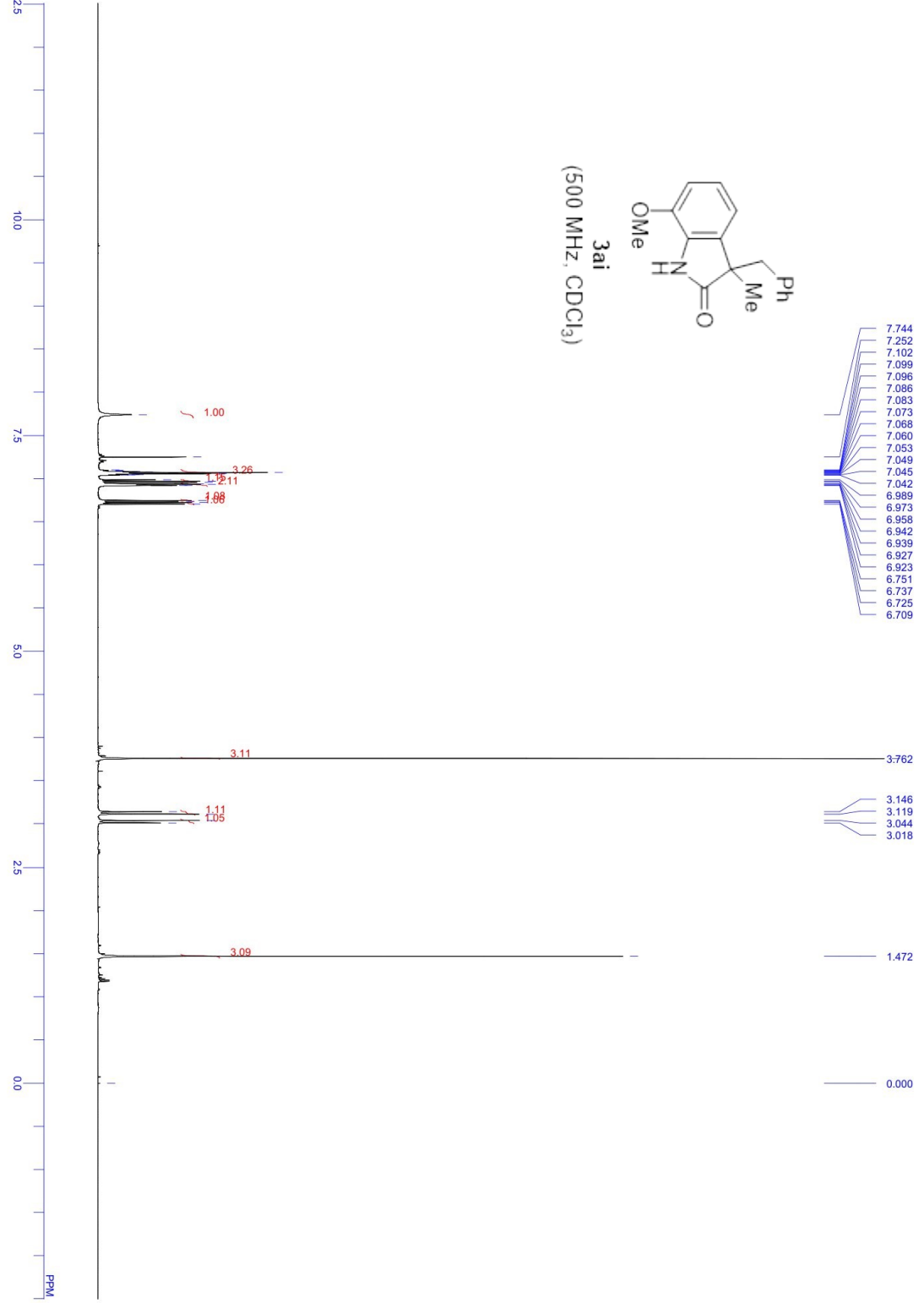
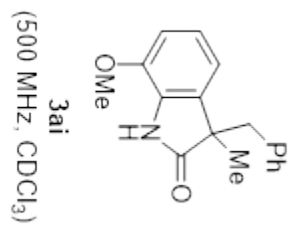
3a_g
(125 MHz, CDCl₃)

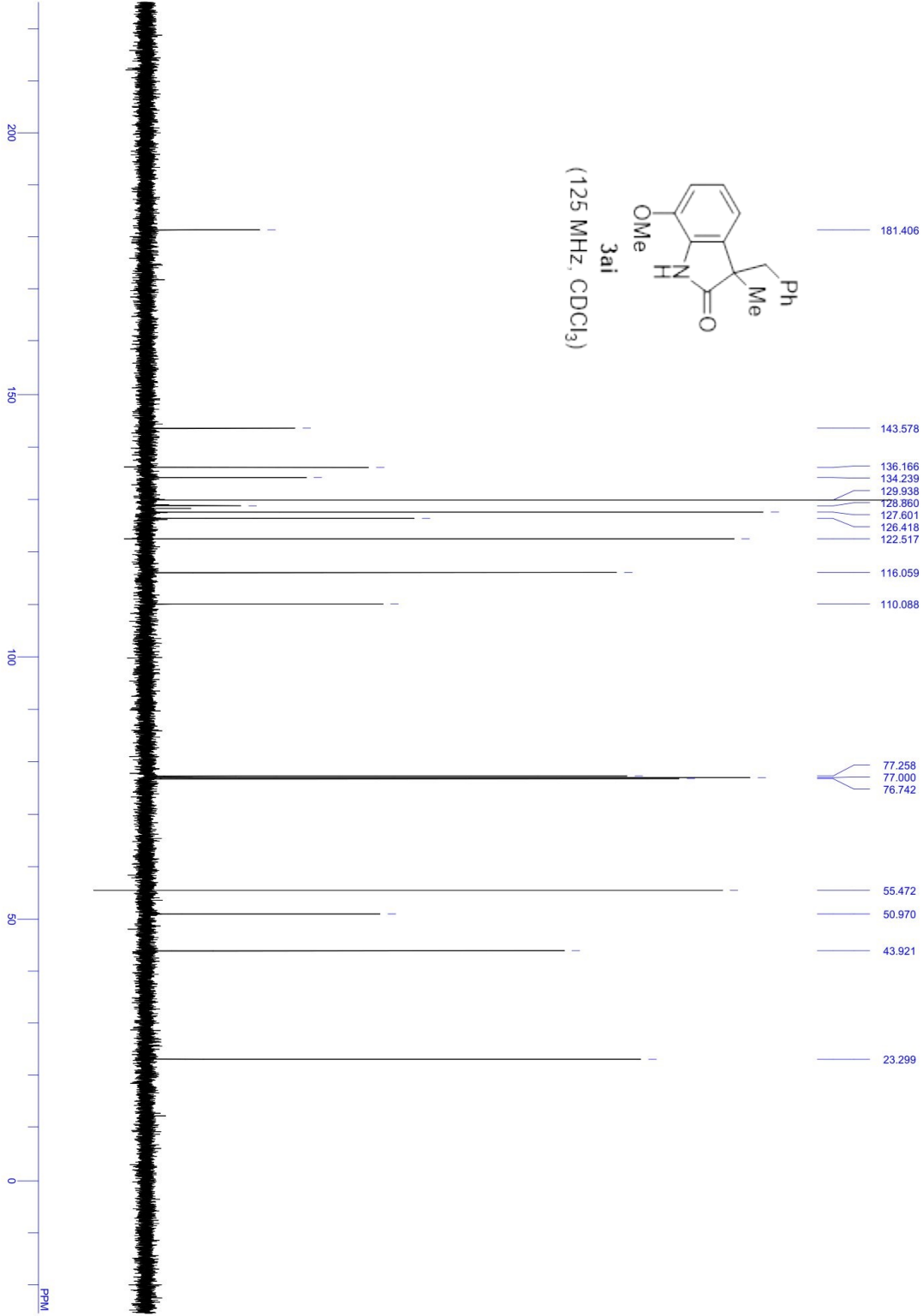
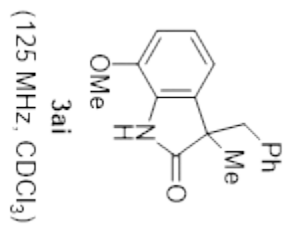


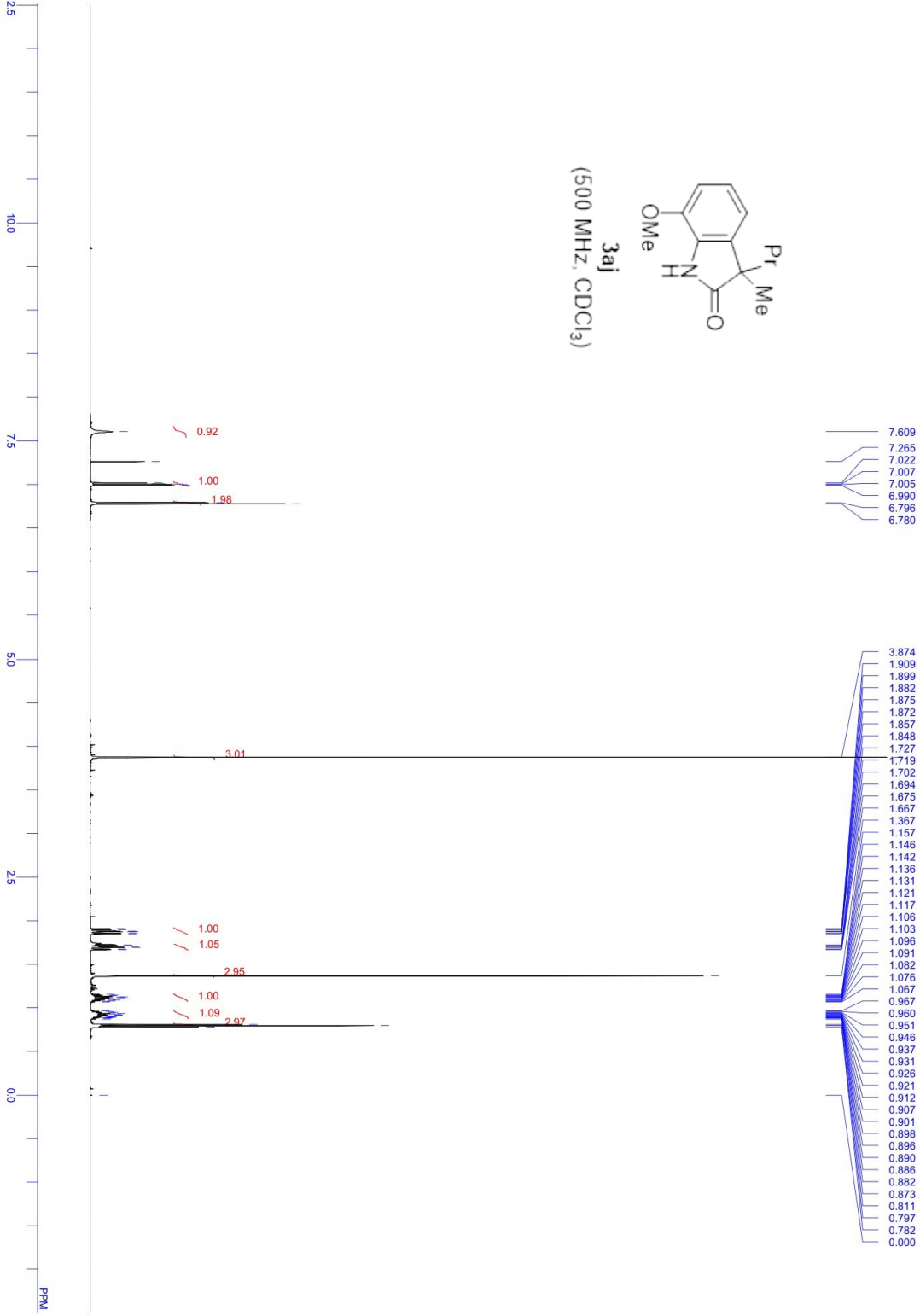
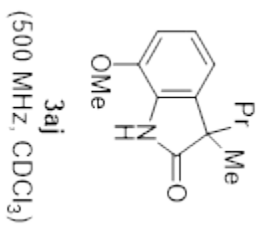


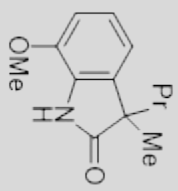
- 7.521
- 7.335
- 7.332
- 7.327
- 7.318
- 7.314
- 7.311
- 7.305
- 7.296
- 7.293
- 7.280
- 7.277
- 7.257
- 7.253
- 7.249
- 7.245
- 7.239
- 7.233
- 7.229
- 7.225
- 7.222
- 7.045
- 7.029
- 7.013
- 6.848
- 6.832
- 6.792
- 6.777



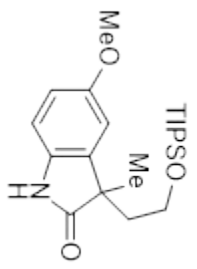




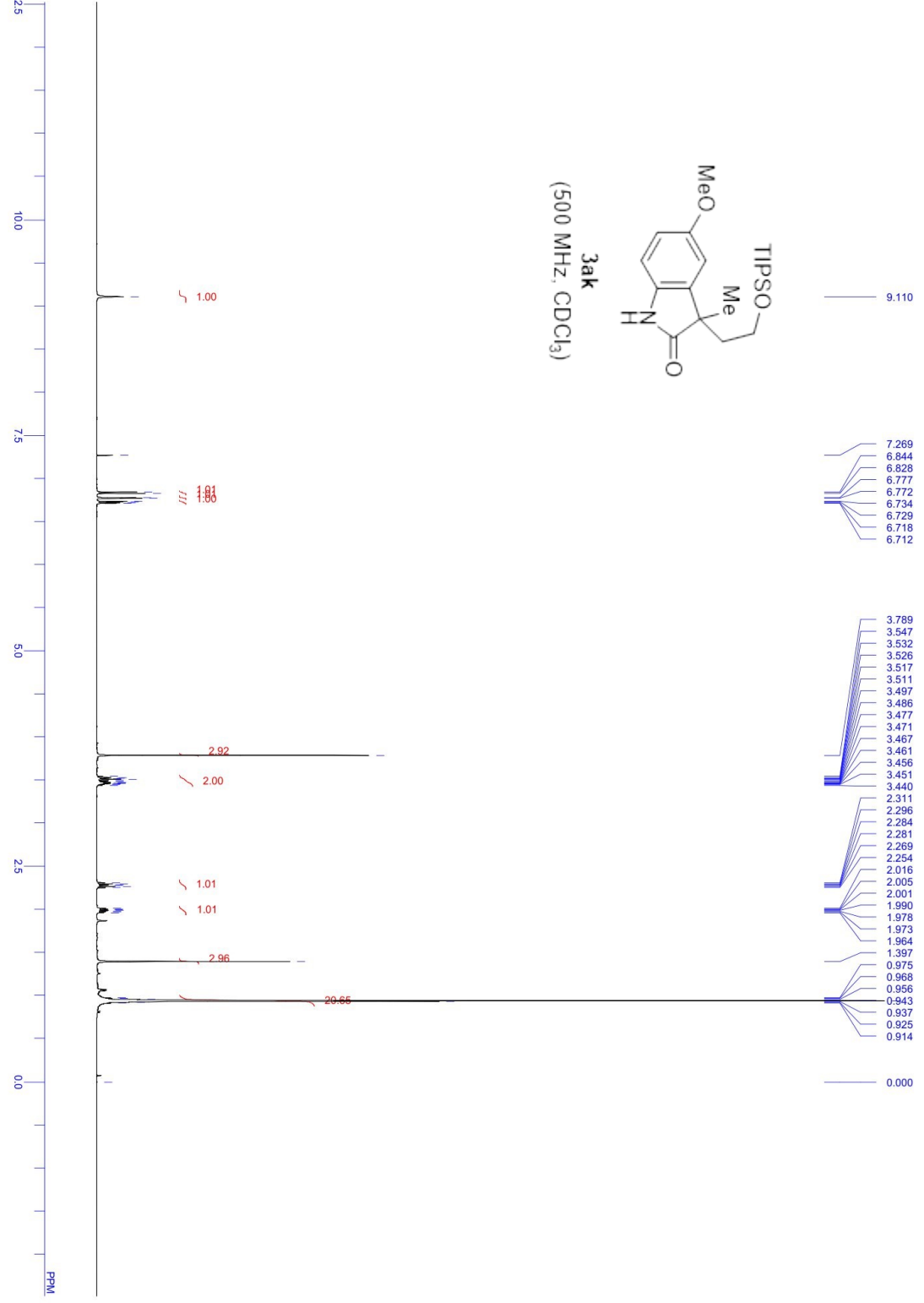


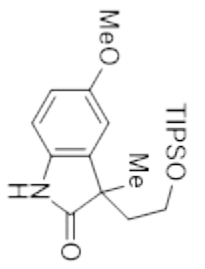


3aj
(125 MHz, CDCl₃)

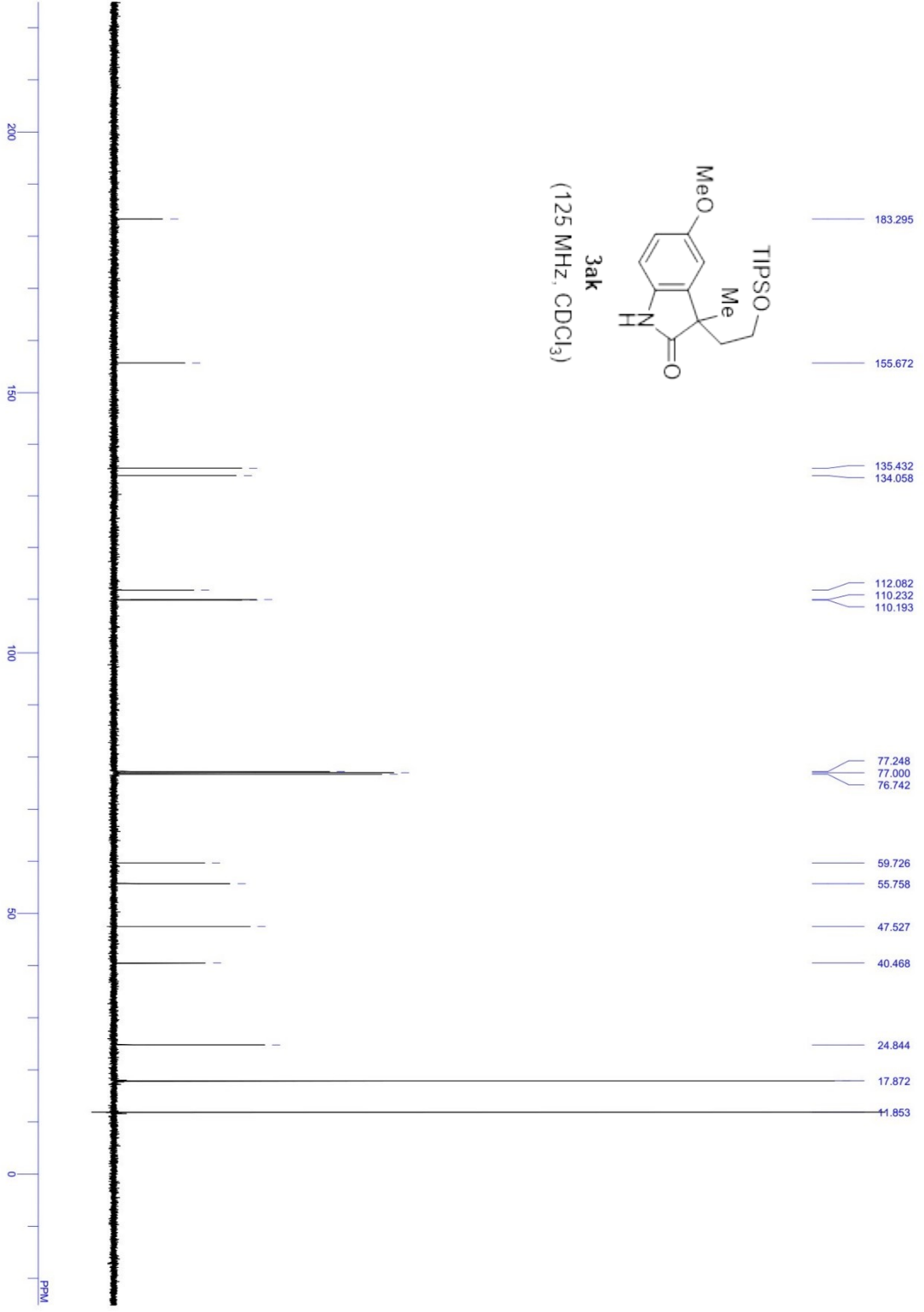


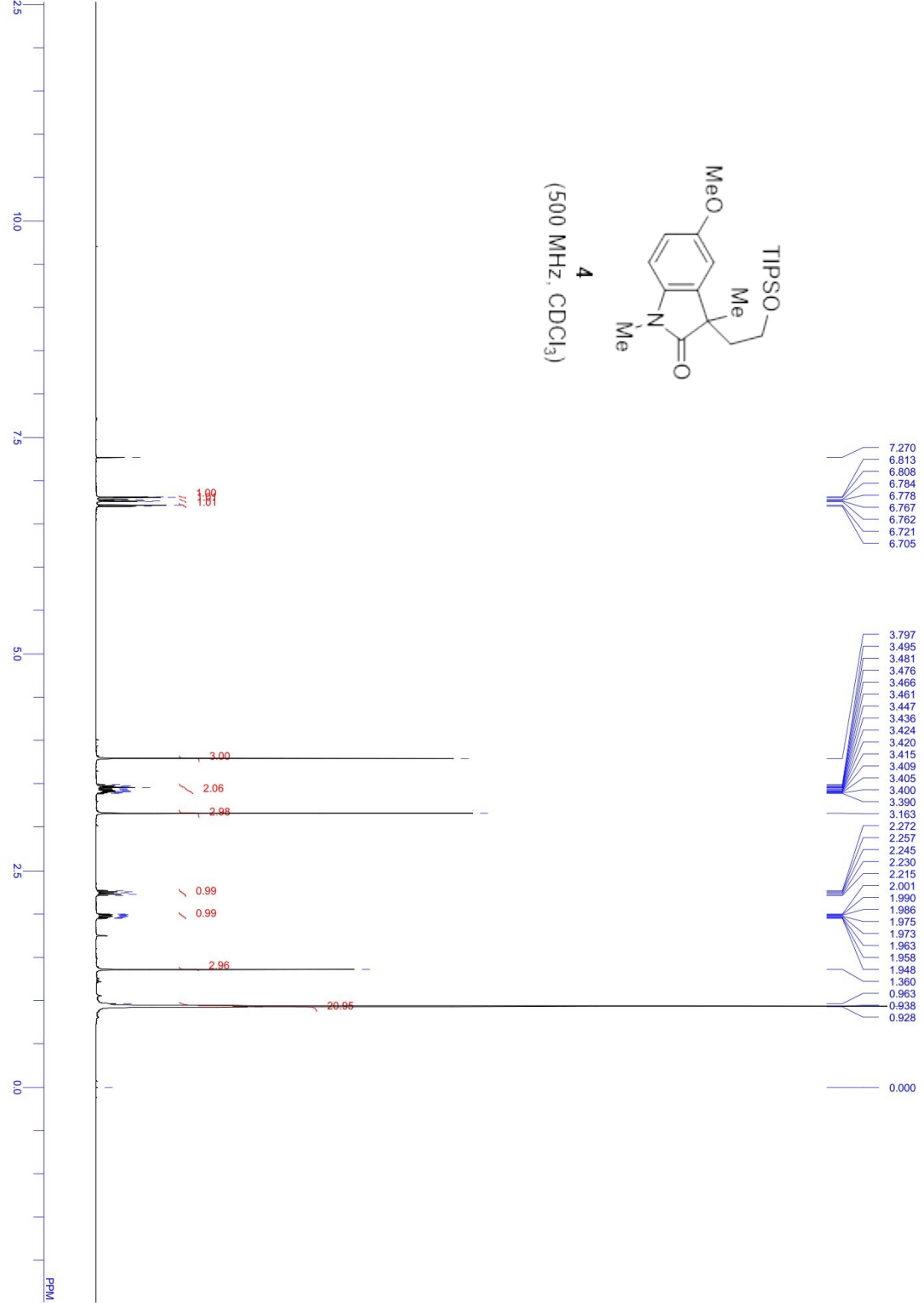
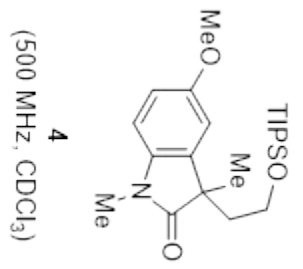
(500 MHz, CDCl₃)

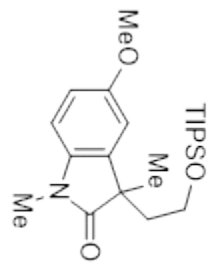




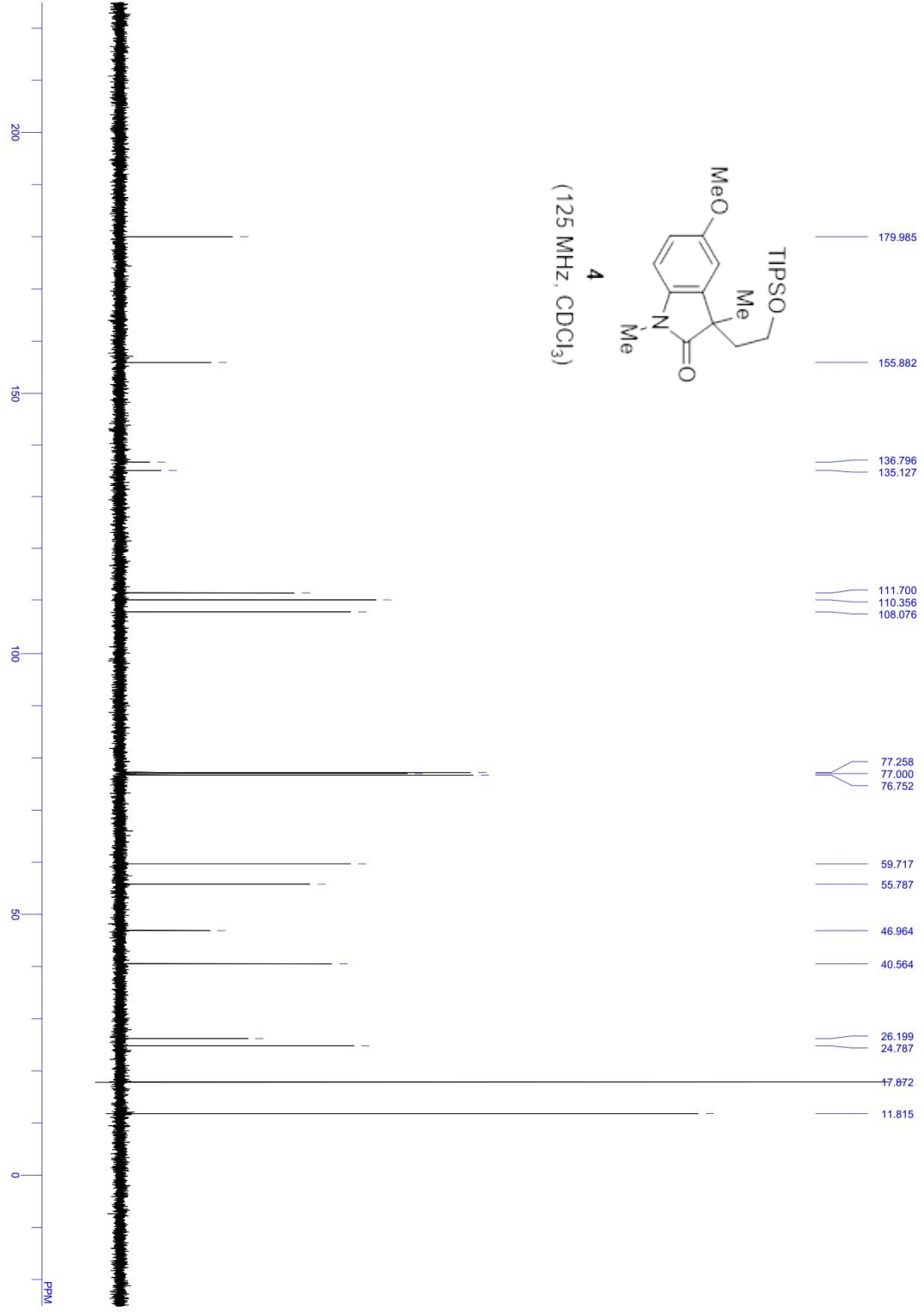
3ak
(125 MHz, CDCl₃)

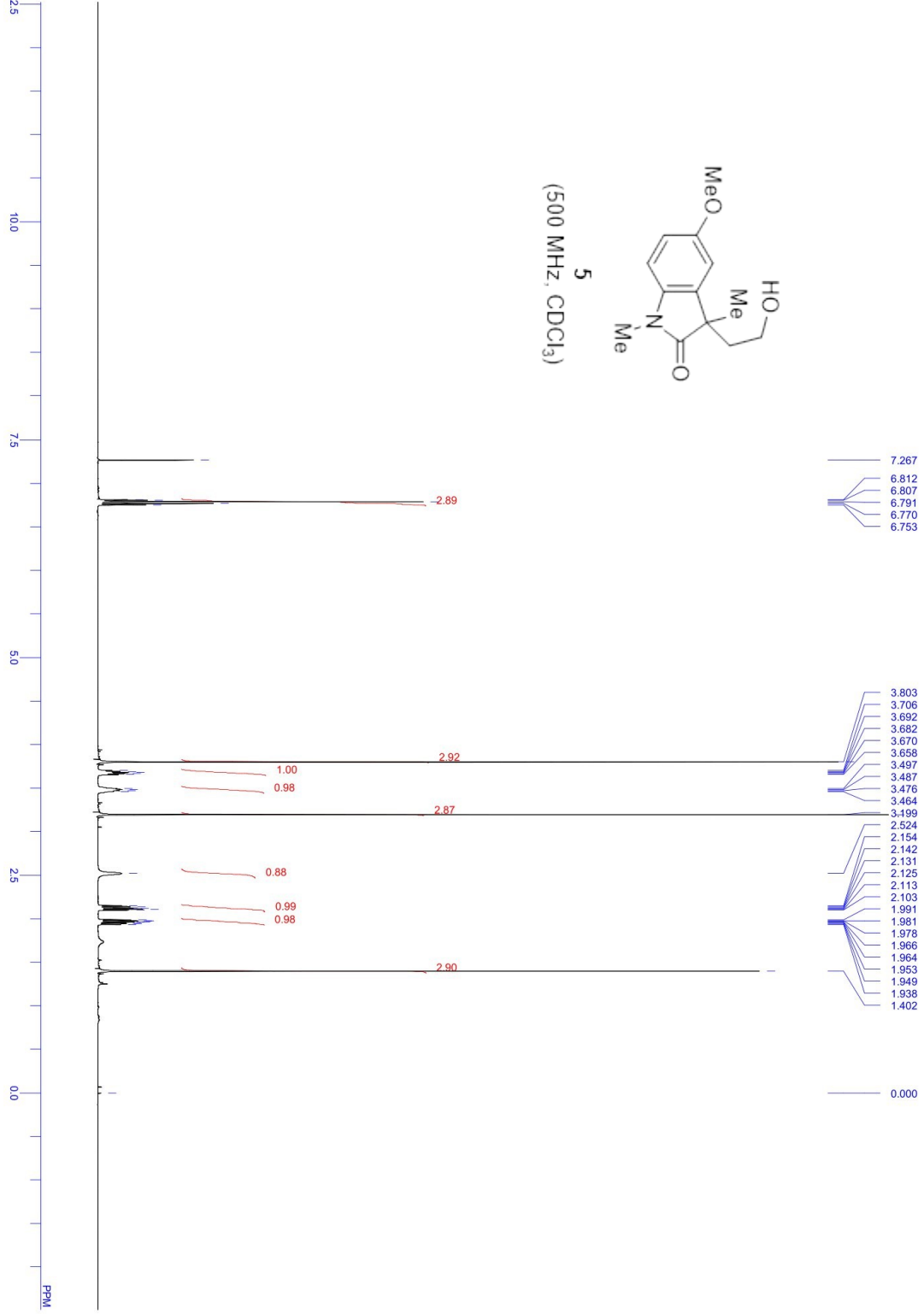
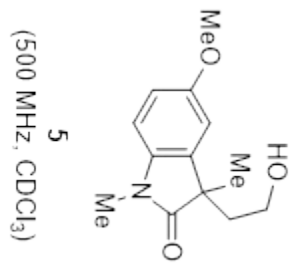


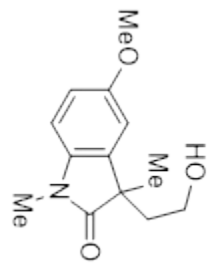




4
(125 MHz, CDCl₃)

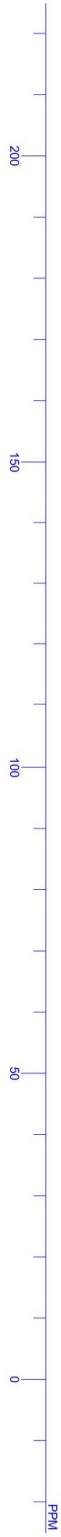


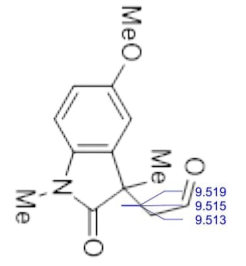




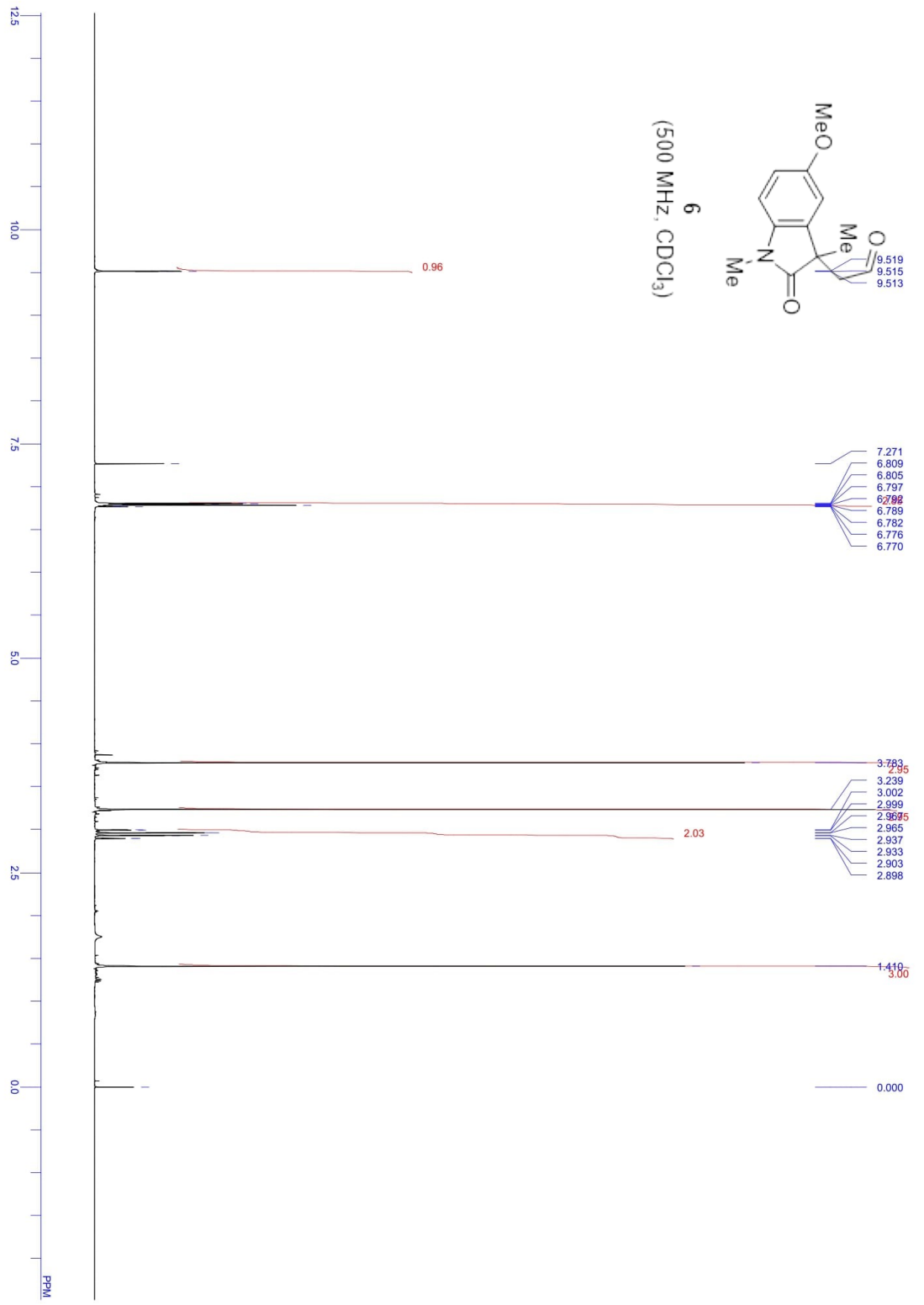
5
(125 MHz, CDCl₃)

- 181.159
- 156.225
- 136.328
- 135.594
- 111.853
- 110.184
- 108.553
- 77.258
- 77.000
- 76.752
- 59.325
- 55.787
- 47.384
- 40.087
- 26.418
- 23.490

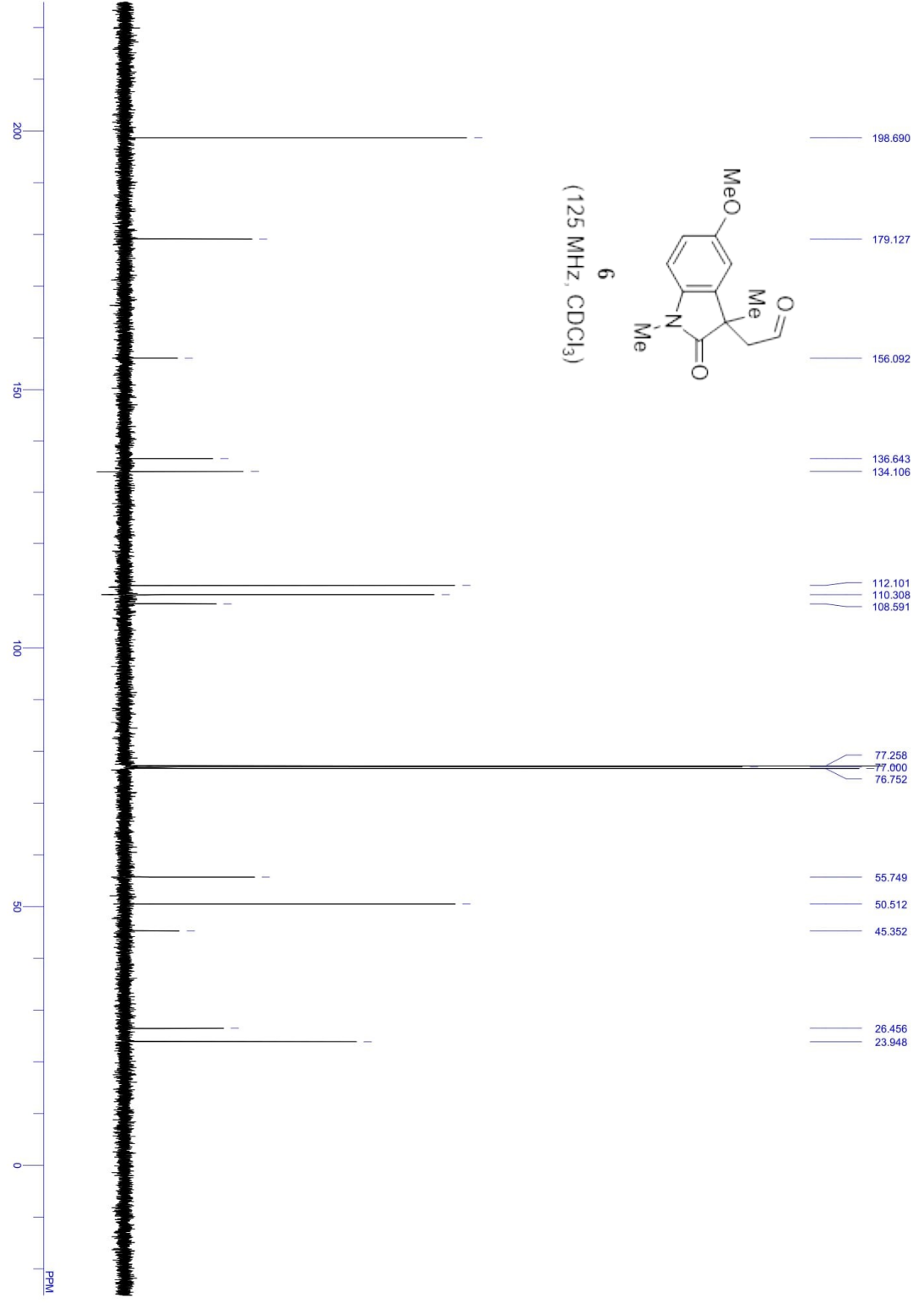
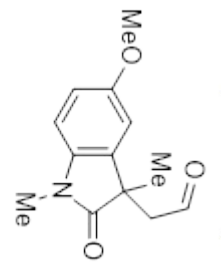


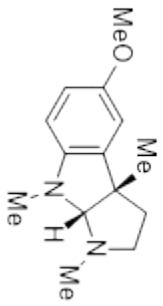


6
(500 MHz, CDCl₃)



6
(125 MHz, CDCl₃)





7: Esmermethole
(500 MHz, CDCl₃)

