

Novel 5'-norcarbocyclic derivatives of bicyclic pyrrolo- and furano[2,3-d]pyrimidine nucleosides

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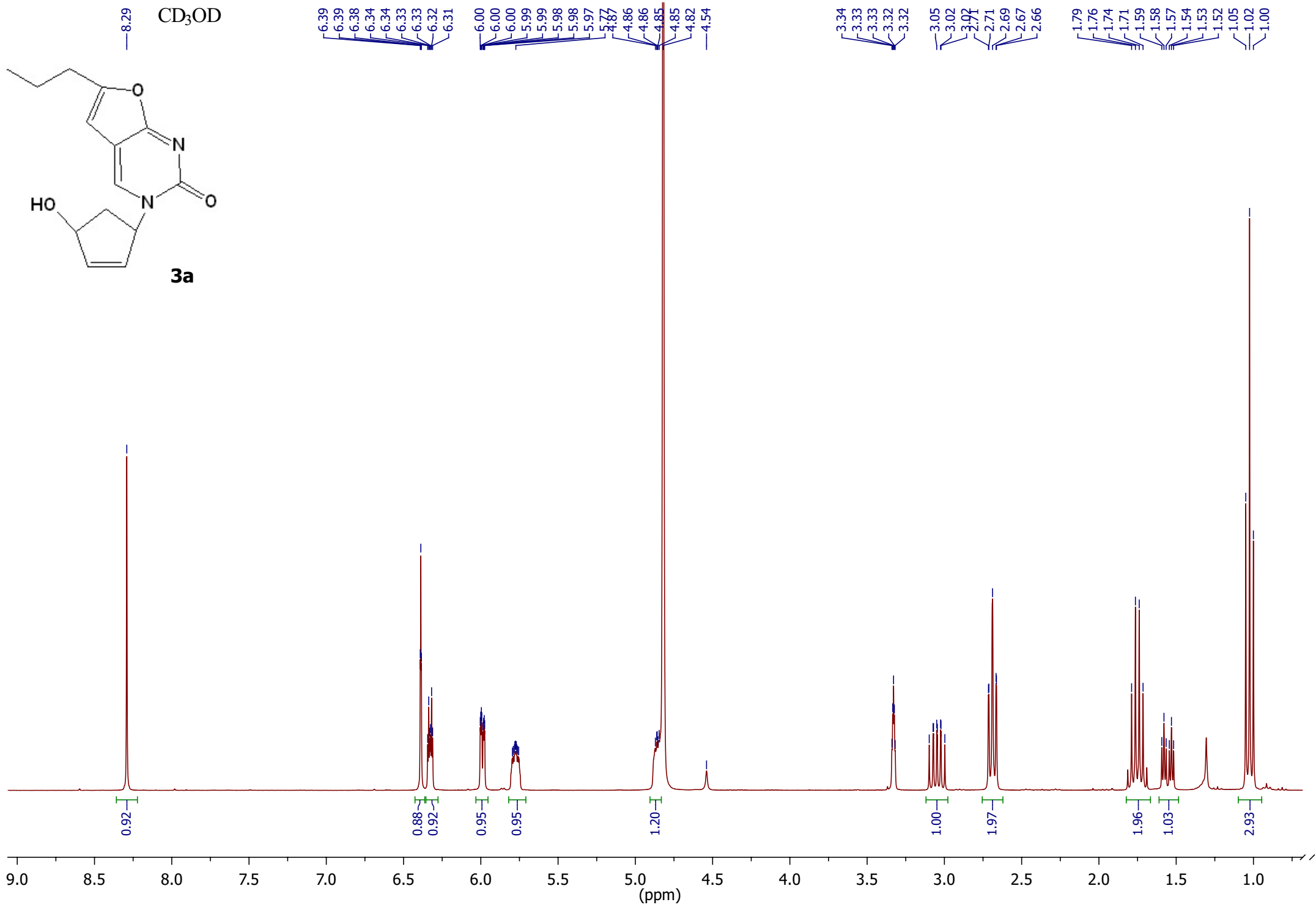
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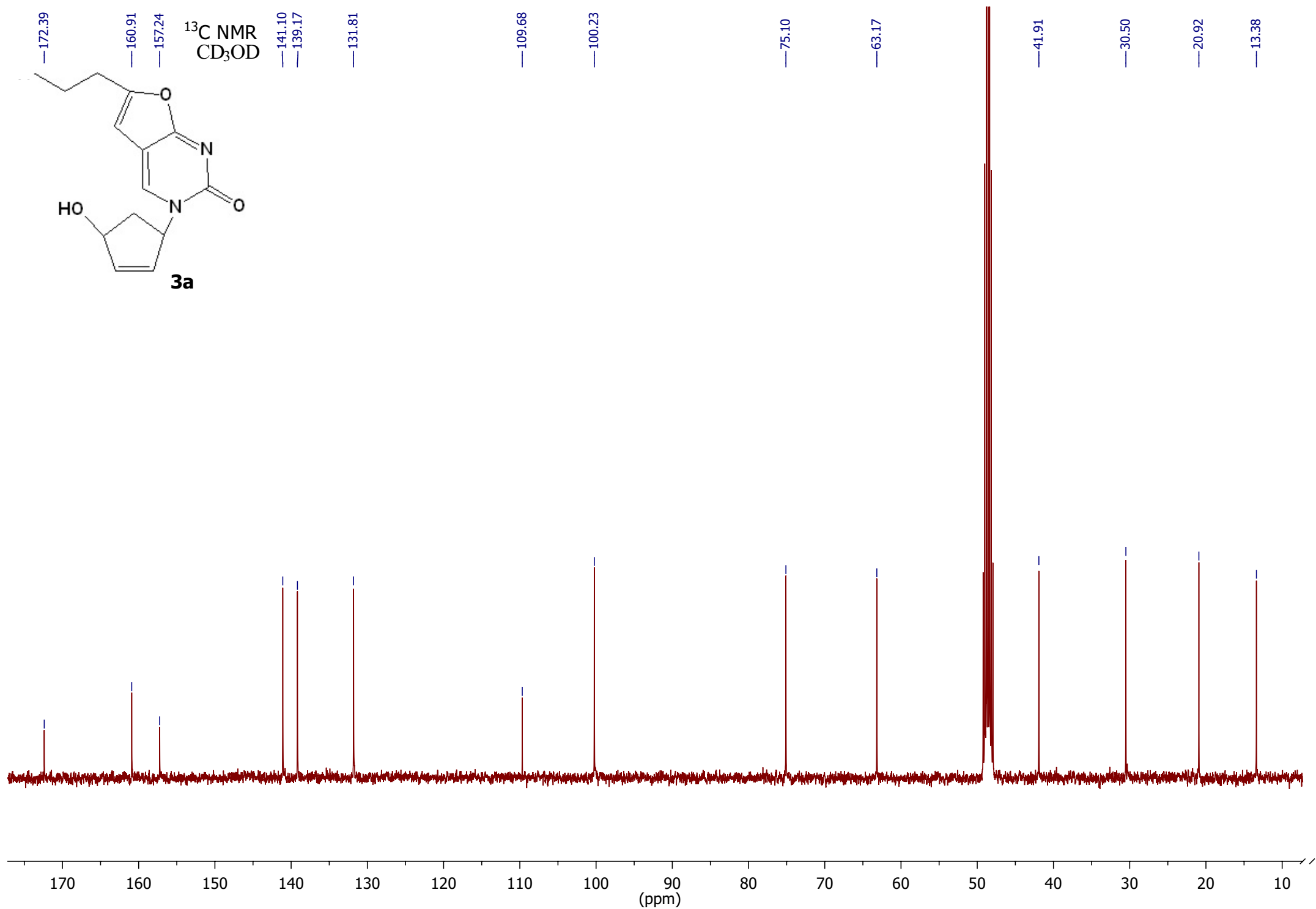
^b Institute of Chemical Biology and Fundamental Medicine, 8 Lavrentiev Ave., Novosibirsk 630090, Russia

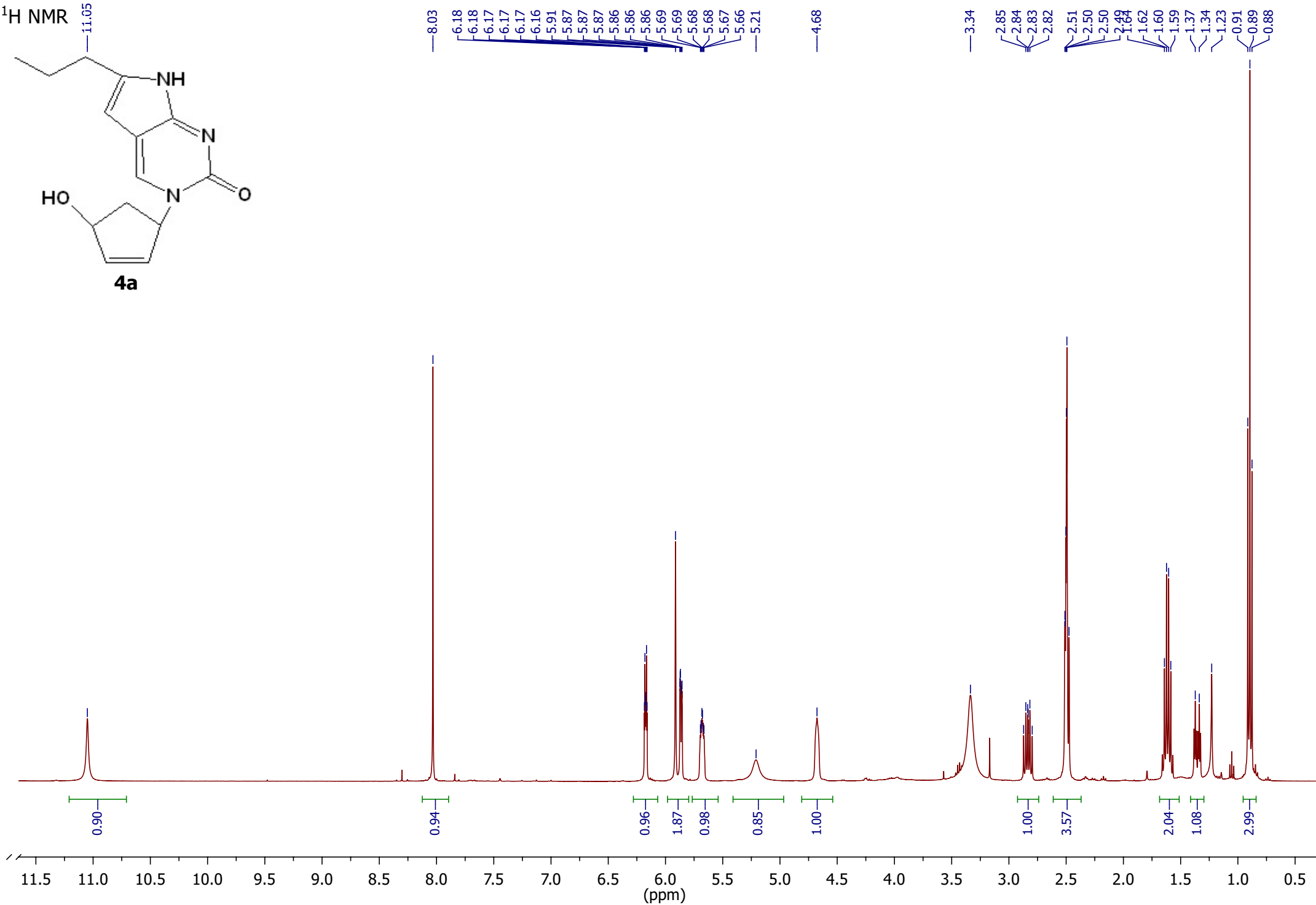
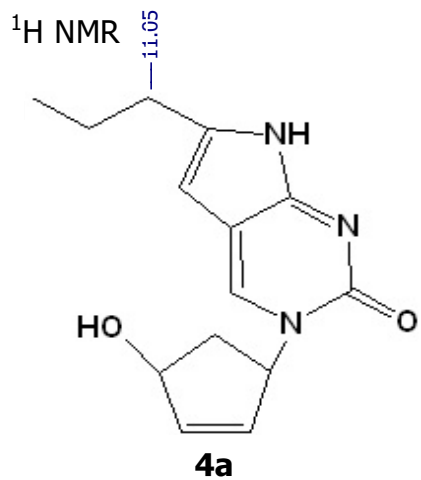
Supplementary materials

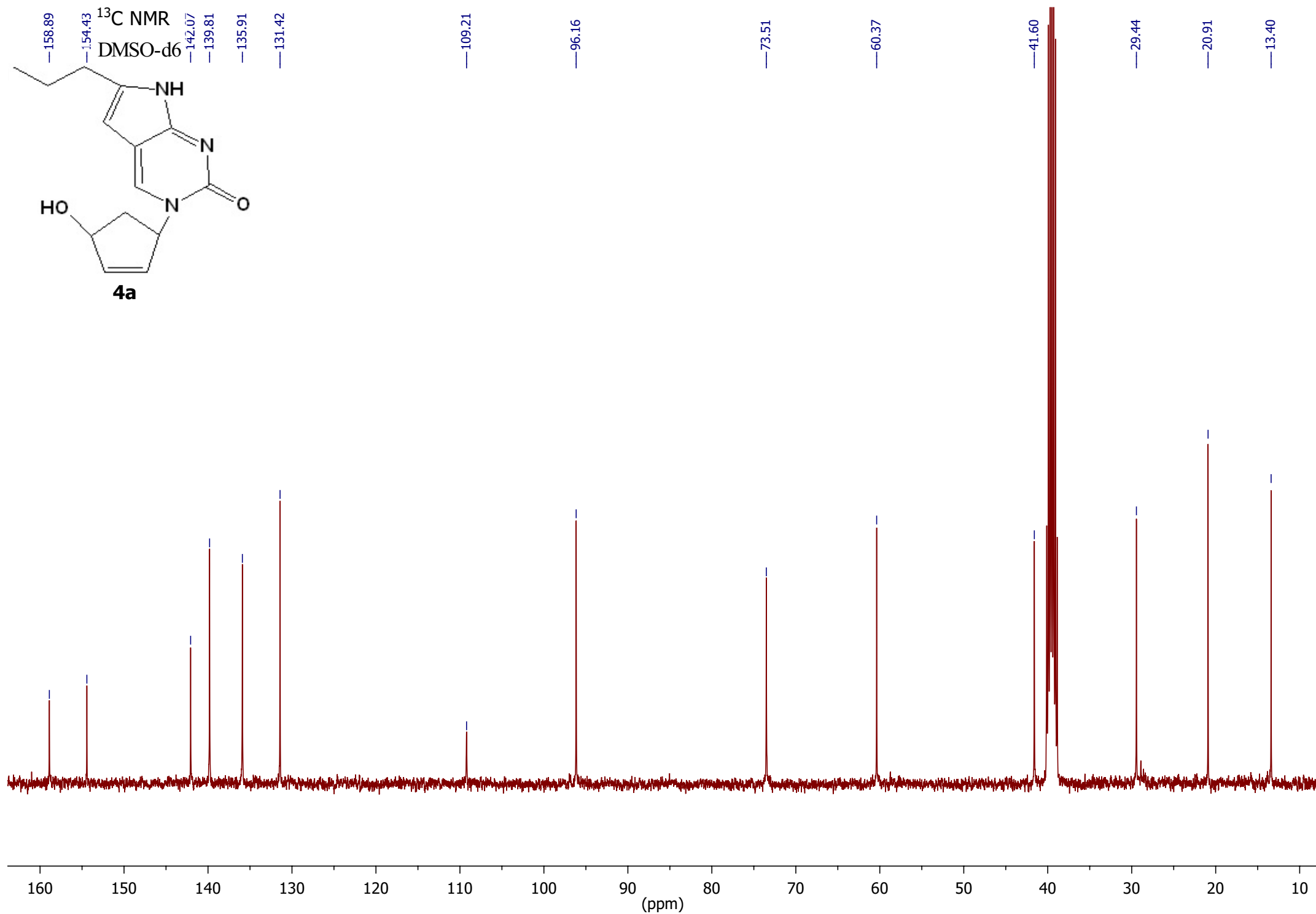
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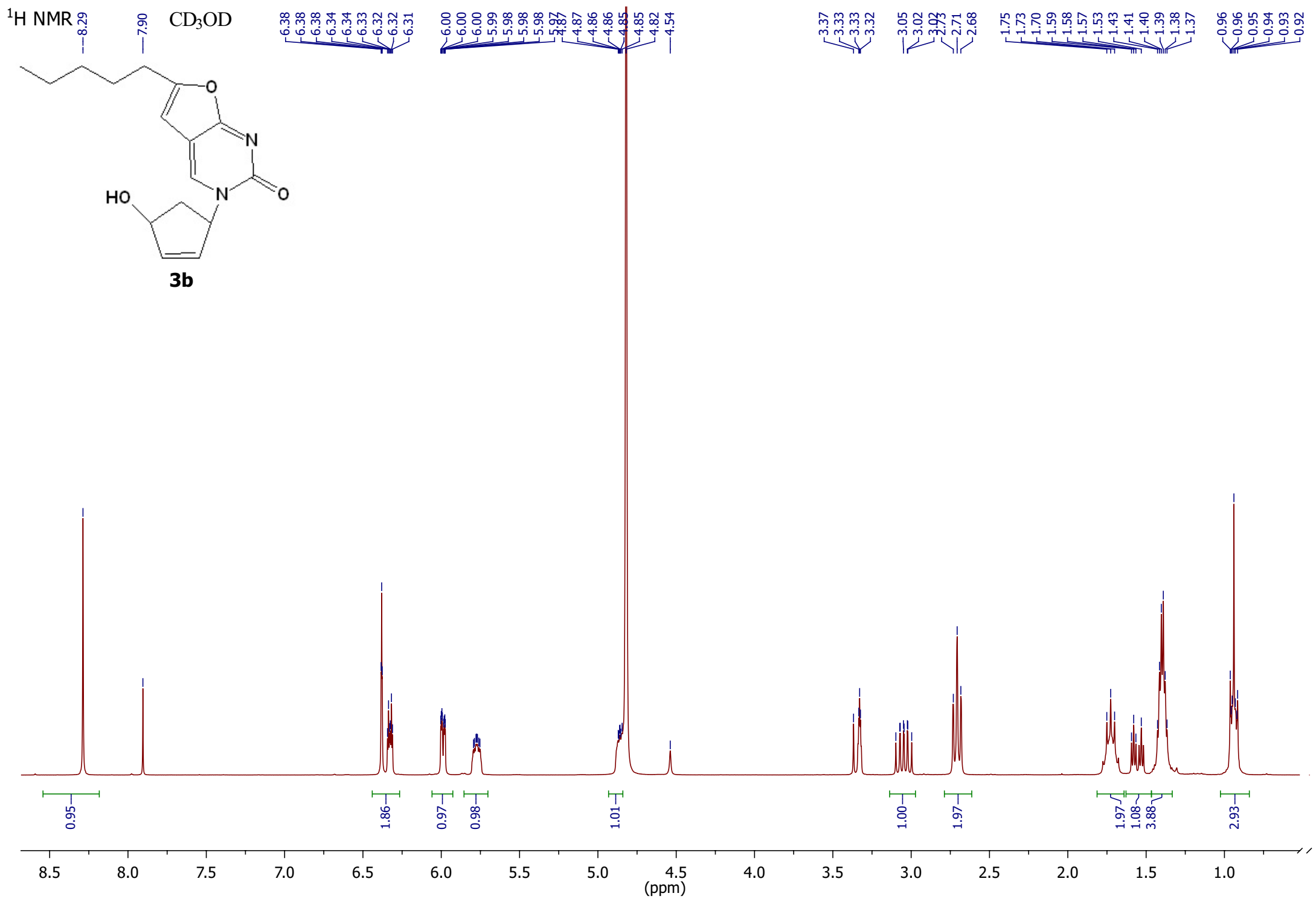
¹ H NMR for compound 3a	p. 2
¹³ C NMR for compound 3a	p. 3
¹ H NMR for compound 4a	p. 4
¹³ C NMR for compound 4a	p. 5
¹ H NMR for compound 3b	p. 6
¹³ C NMR for compound 3b	p. 7
¹ H NMR for compound 4b	p. 8
¹³ C NMR for compound 4b	p. 9
¹ H NMR for compound 3c	p.10
¹³ C NMR for compound 3c	p.11
¹ H NMR for compound 4c	p.12
¹³ C NMR for compound 4c	p.13
¹ H NMR for compound 3d	p.14
¹³ C NMR for compound 3d	p.15
¹ H NMR for compound 4d	p.16
¹³ C NMR for compound 4d	p.17
¹ H NMR for compound 3e	p.18
¹³ C NMR for compound 3e	p.19
¹ H NMR for compound 4e	p.20
¹³ C NMR for compound 4e	p.21
¹ H NMR for compound 3f	p.22
¹³ C NMR for compound 3f	p.23
¹ H NMR for compound 4f	p.24
¹³ C NMR for compound 4f	p.25
¹ H NMR for compound 3g	p.26
¹³ C NMR for compound 3g	p.27
¹ H NMR for compound 4g	p.28
¹³ C NMR for compound 4g	p.29
¹ H NMR for compound 3h	p.30
¹³ C NMR for compound 3h	p.31
¹ H NMR for compound 4h	p.32
¹³ C NMR for compound 4h	p.33
¹ H NMR for compound 3i	p.34
¹³ C NMR for compound 3i	p.35
¹ H NMR for compound 4i	p.36
¹³ C NMR for compound 4i	p.37
¹ H NMR for compound 5	p.38
¹³ C NMR for compound 5	p.39

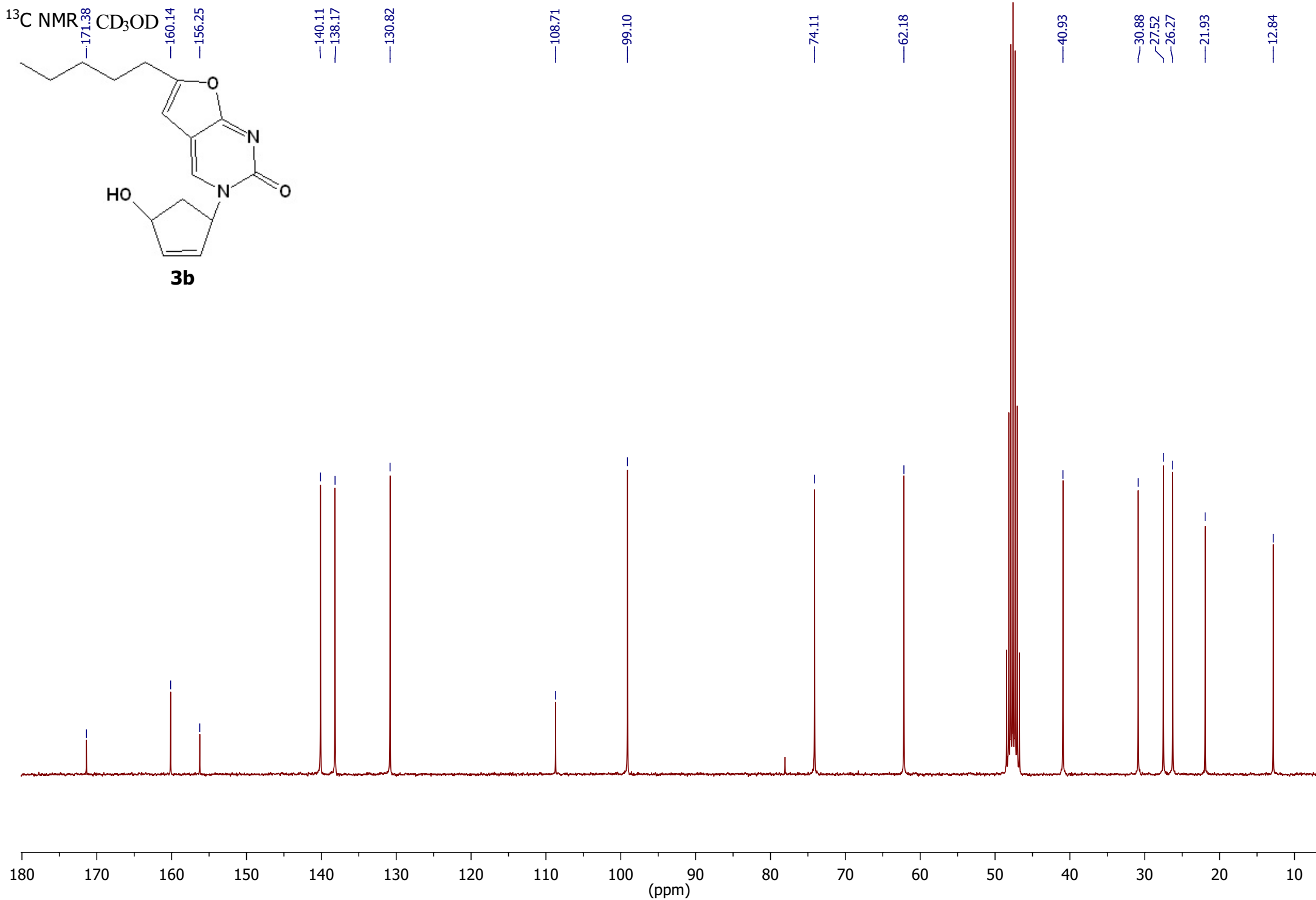








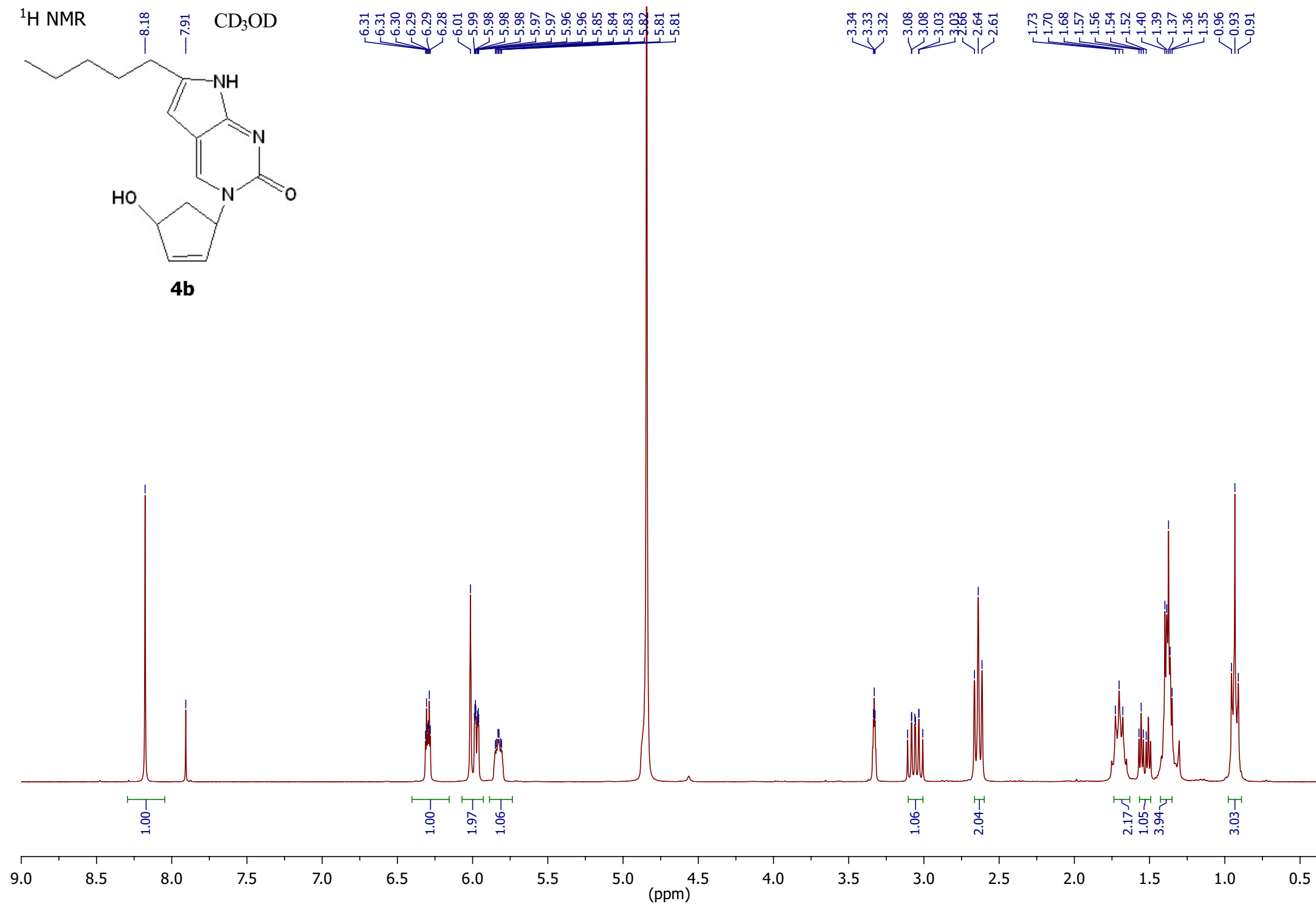


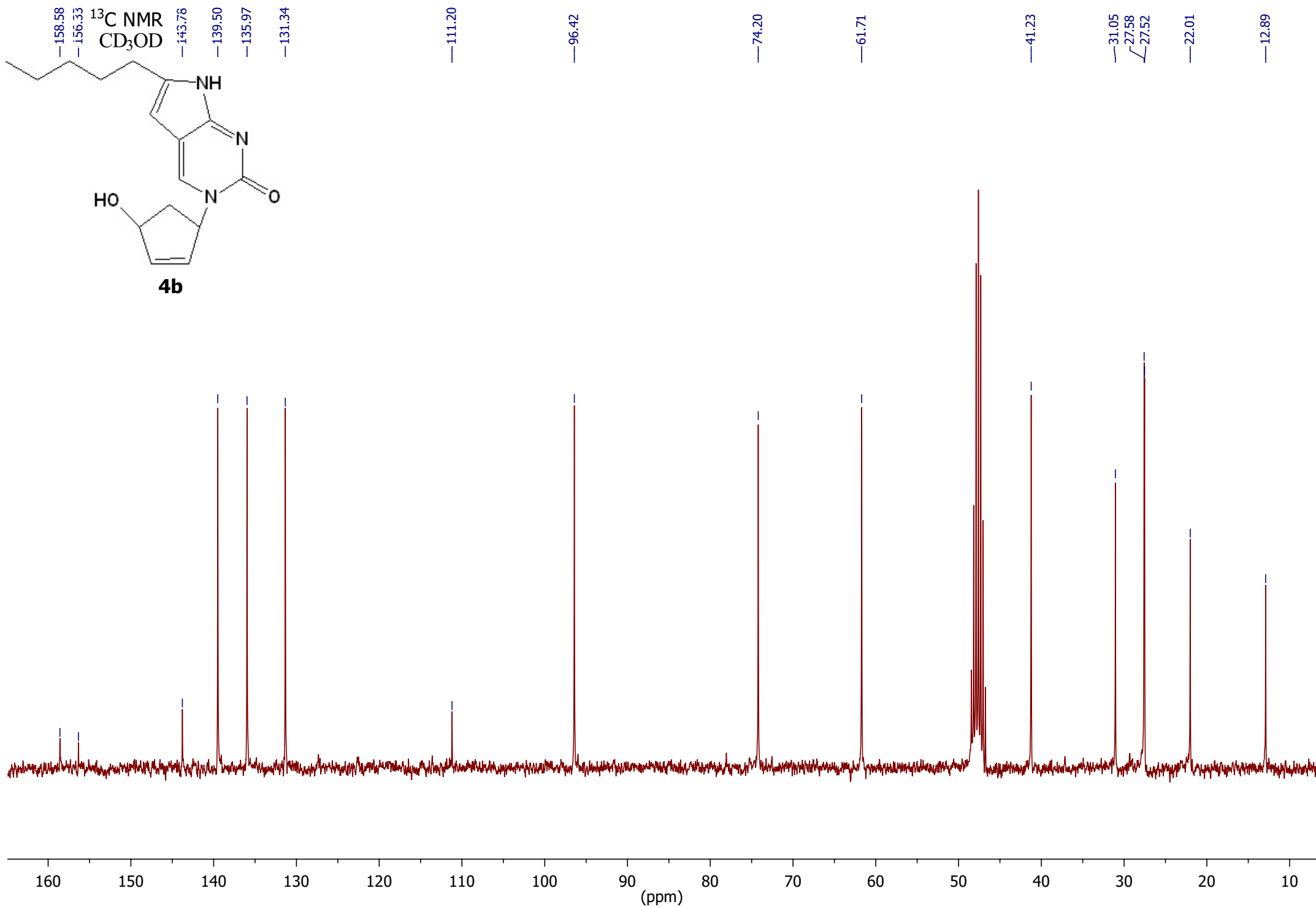


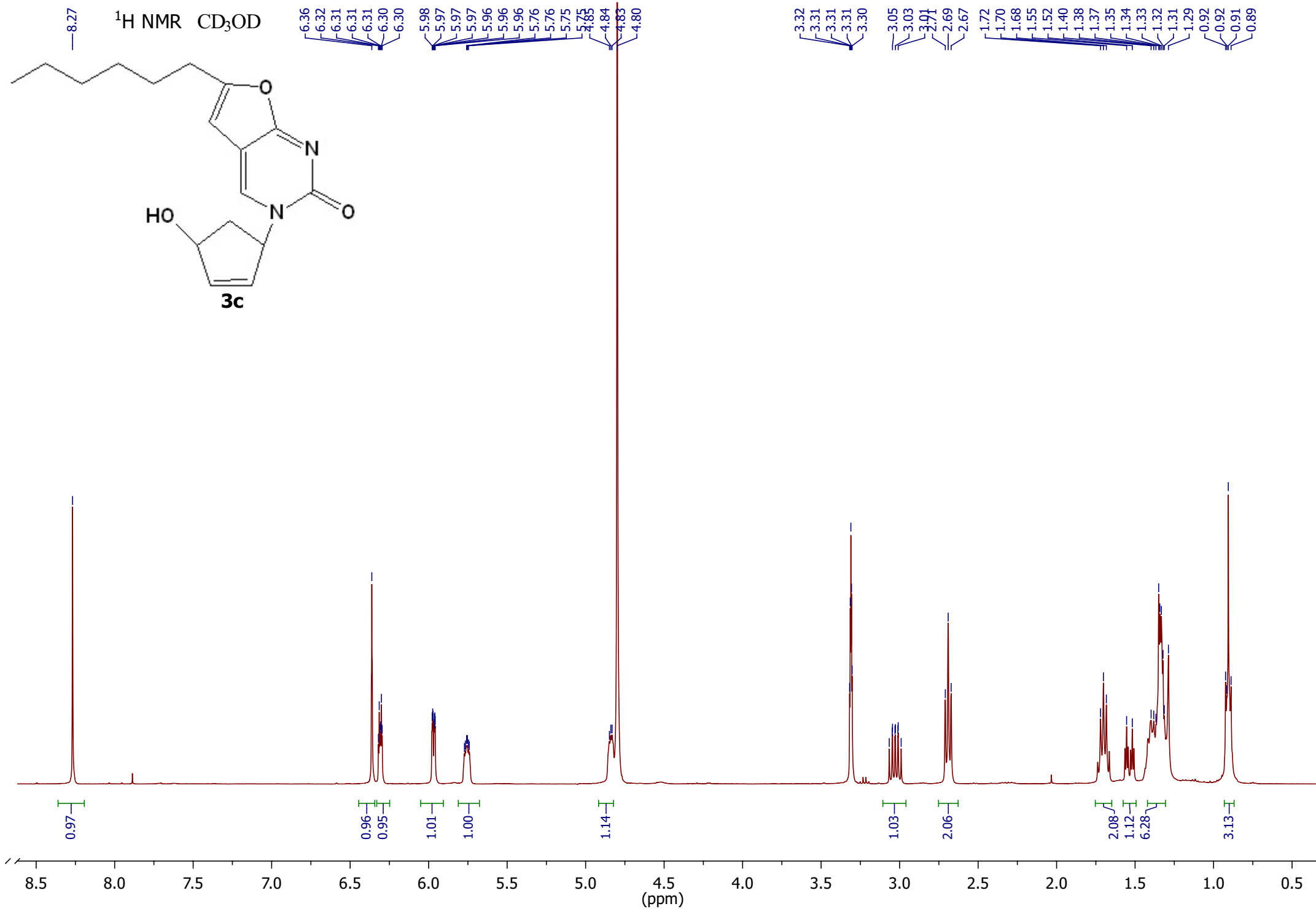
^1H NMR CD_3OD

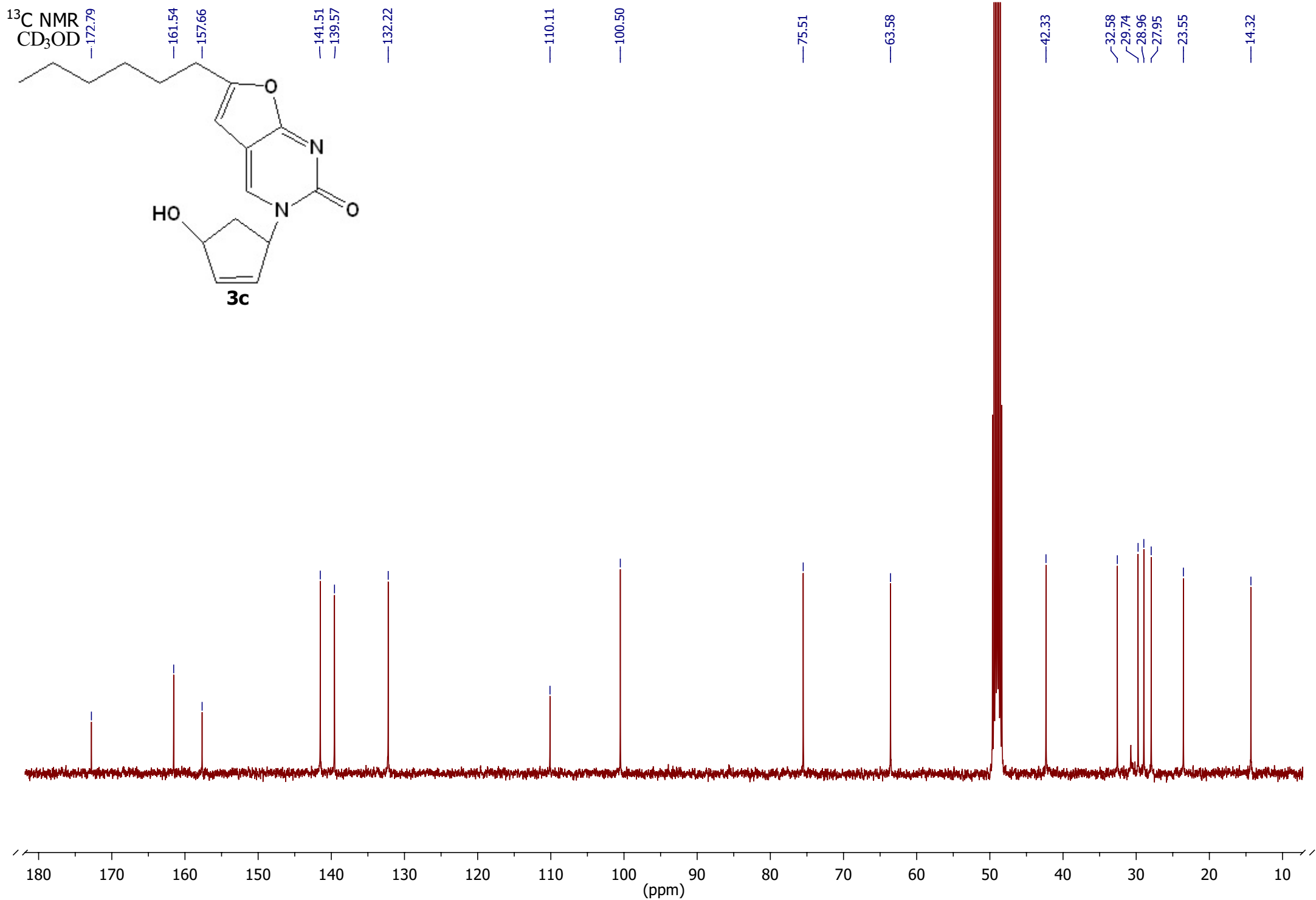
HO

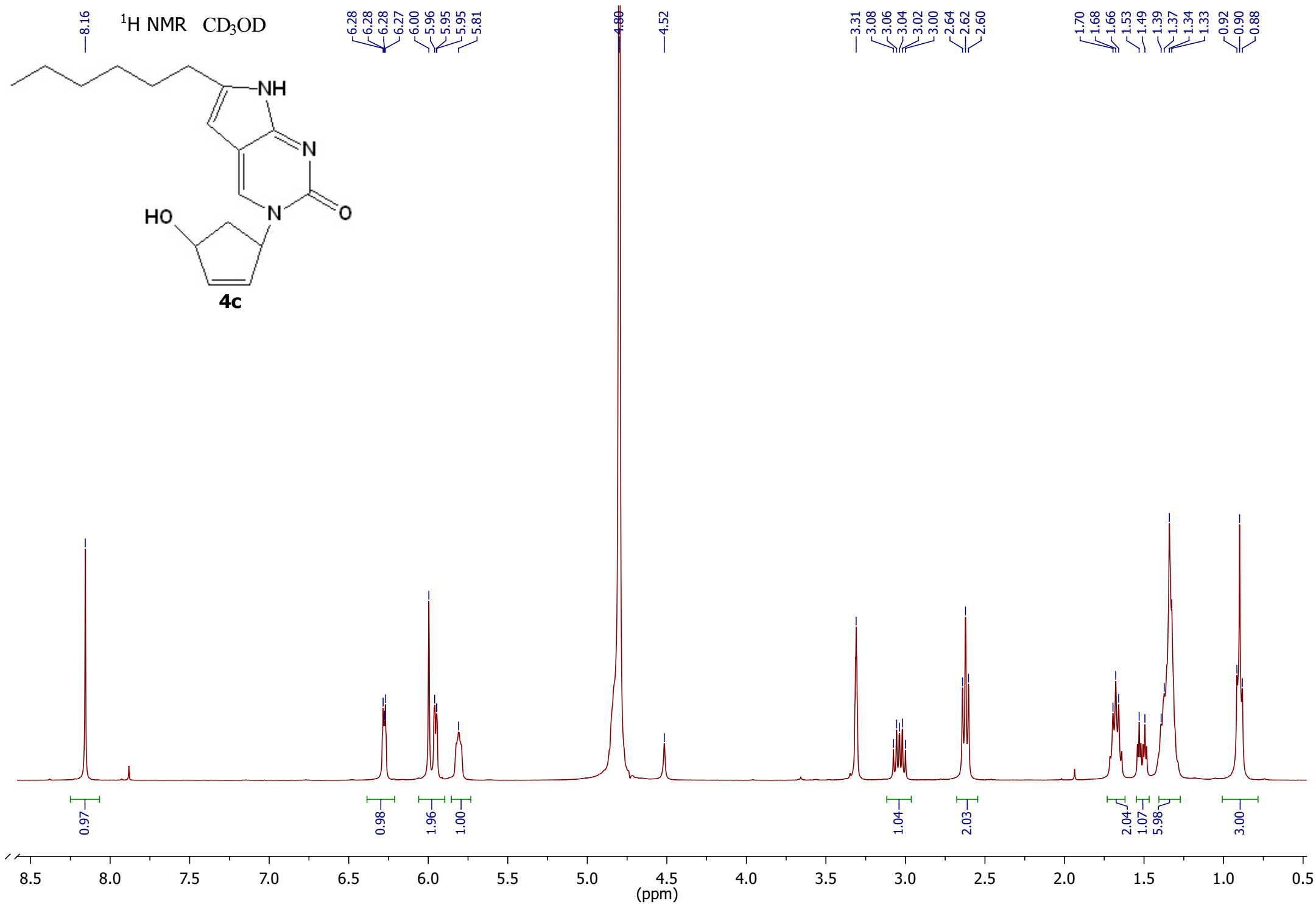
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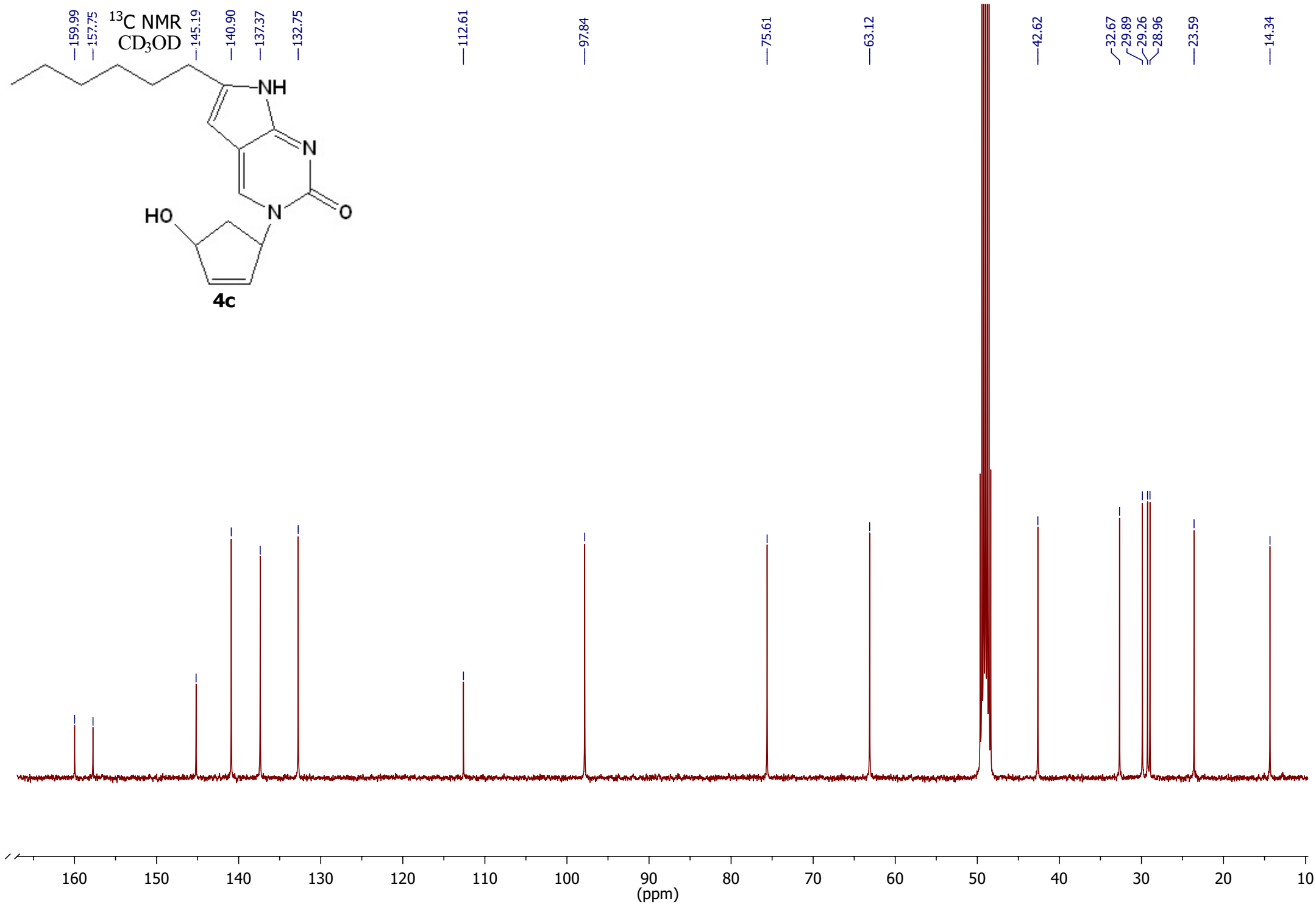








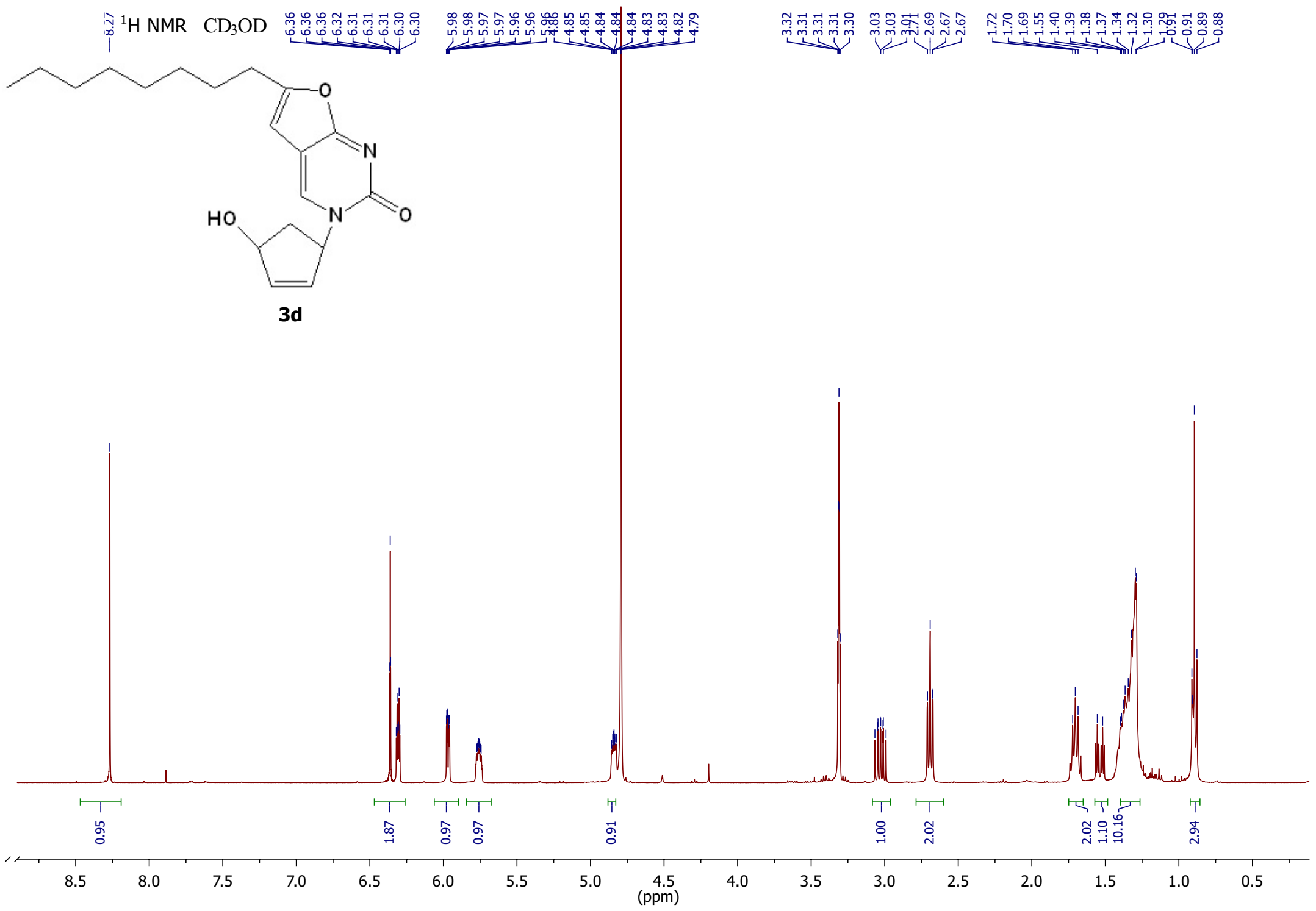


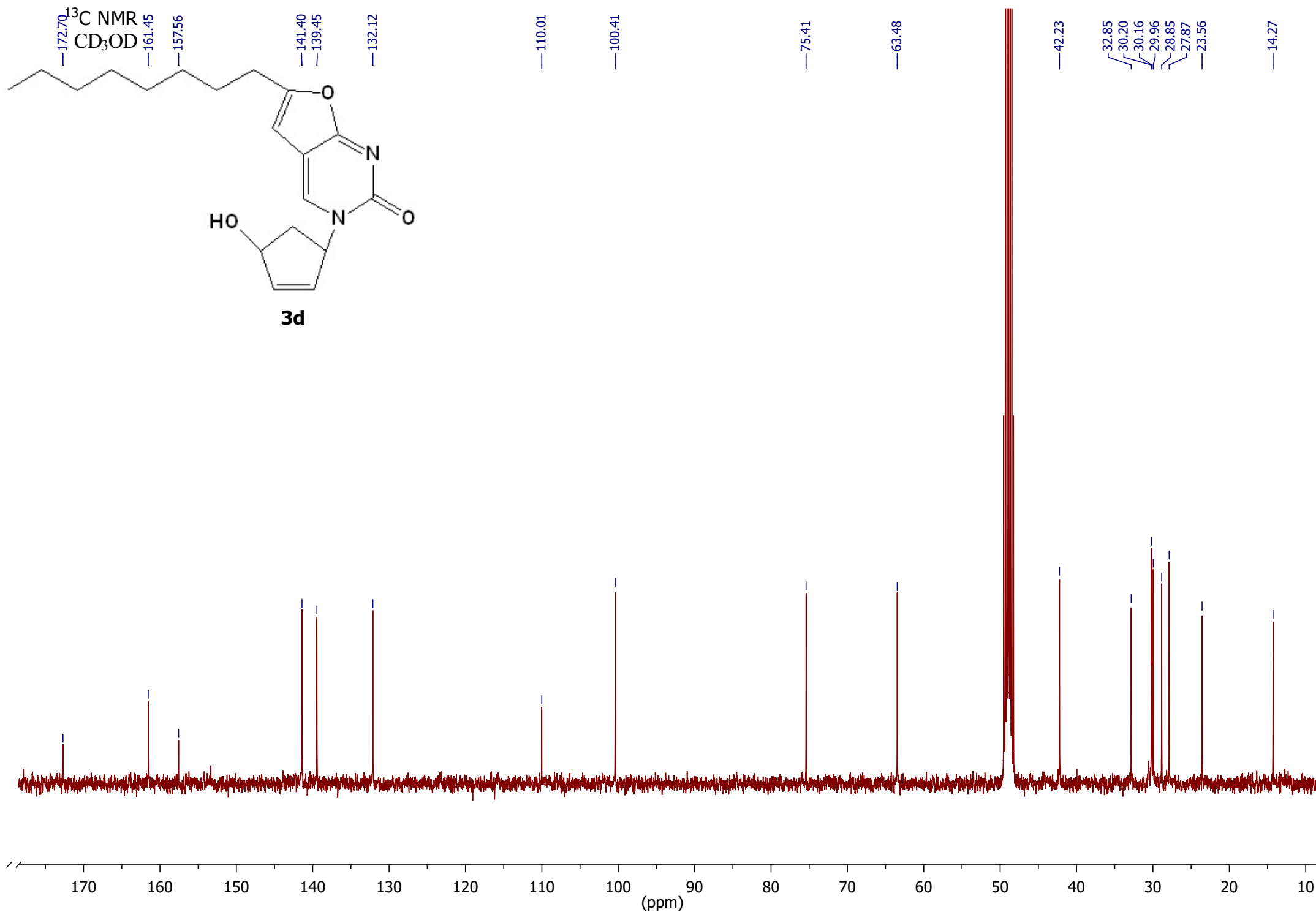


¹H NMR CD₃OD

3d

HO





^1H NMR, CD_3OD

8.18

6.31

6.29

6.02

5.98

5.96

5.83

4.83

4.54

3.33

3.08

3.06

3.03

2.67

2.64

2.62

1.72

1.70

1.67

1.57

1.56

1.54

1.52

1.51

1.49

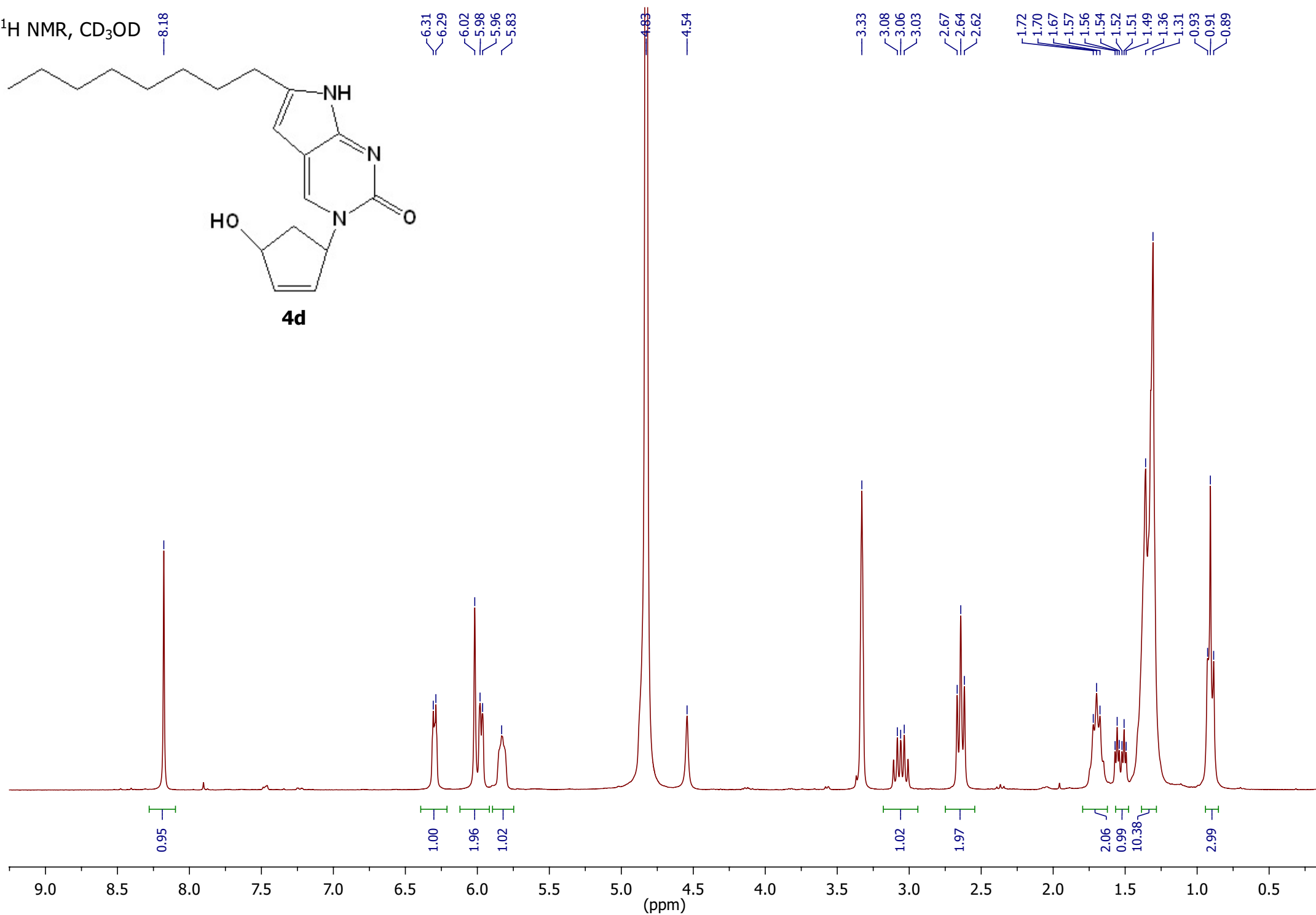
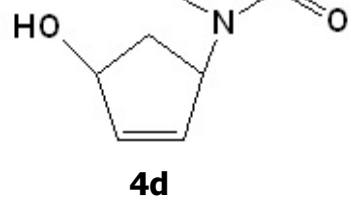
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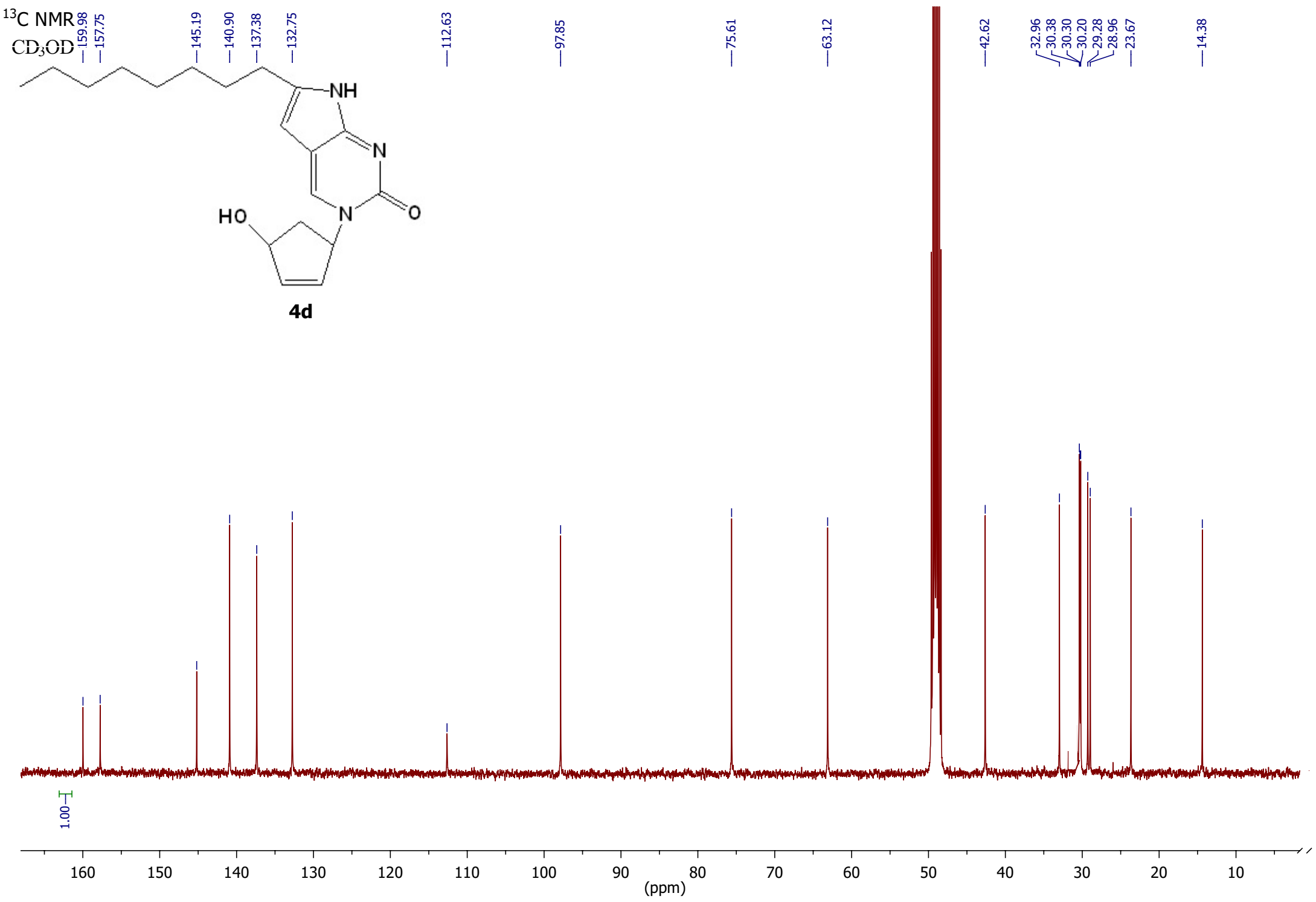
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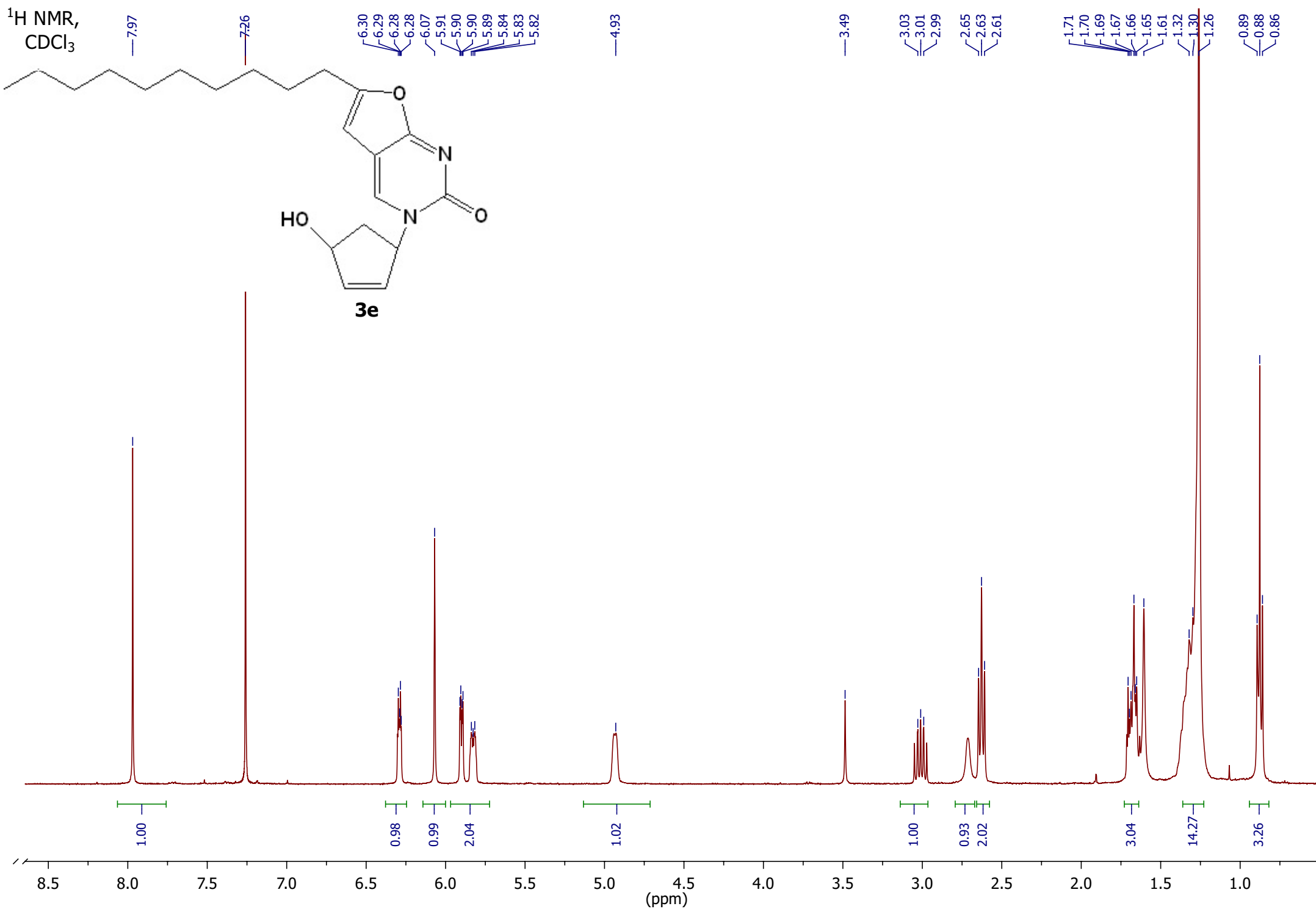
0.93

0.91

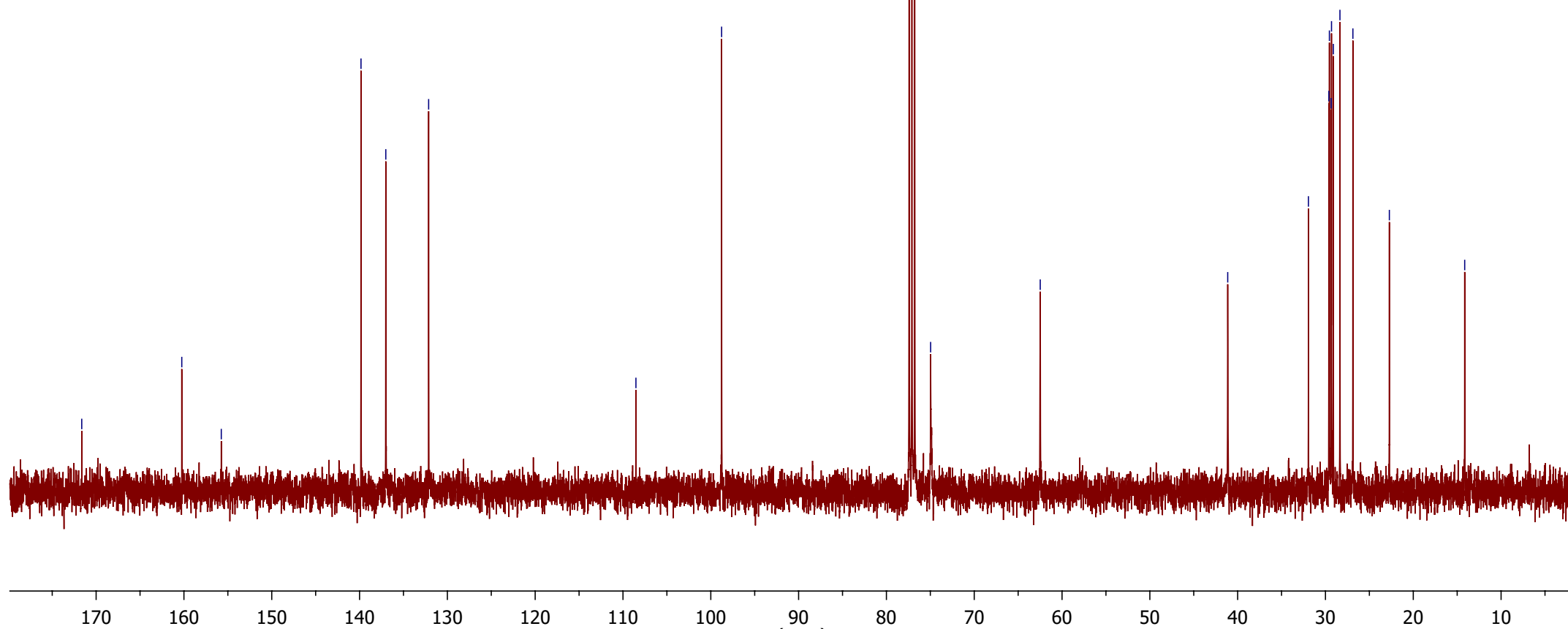
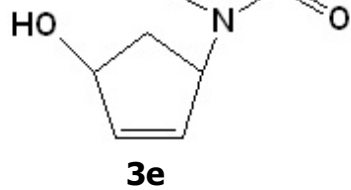
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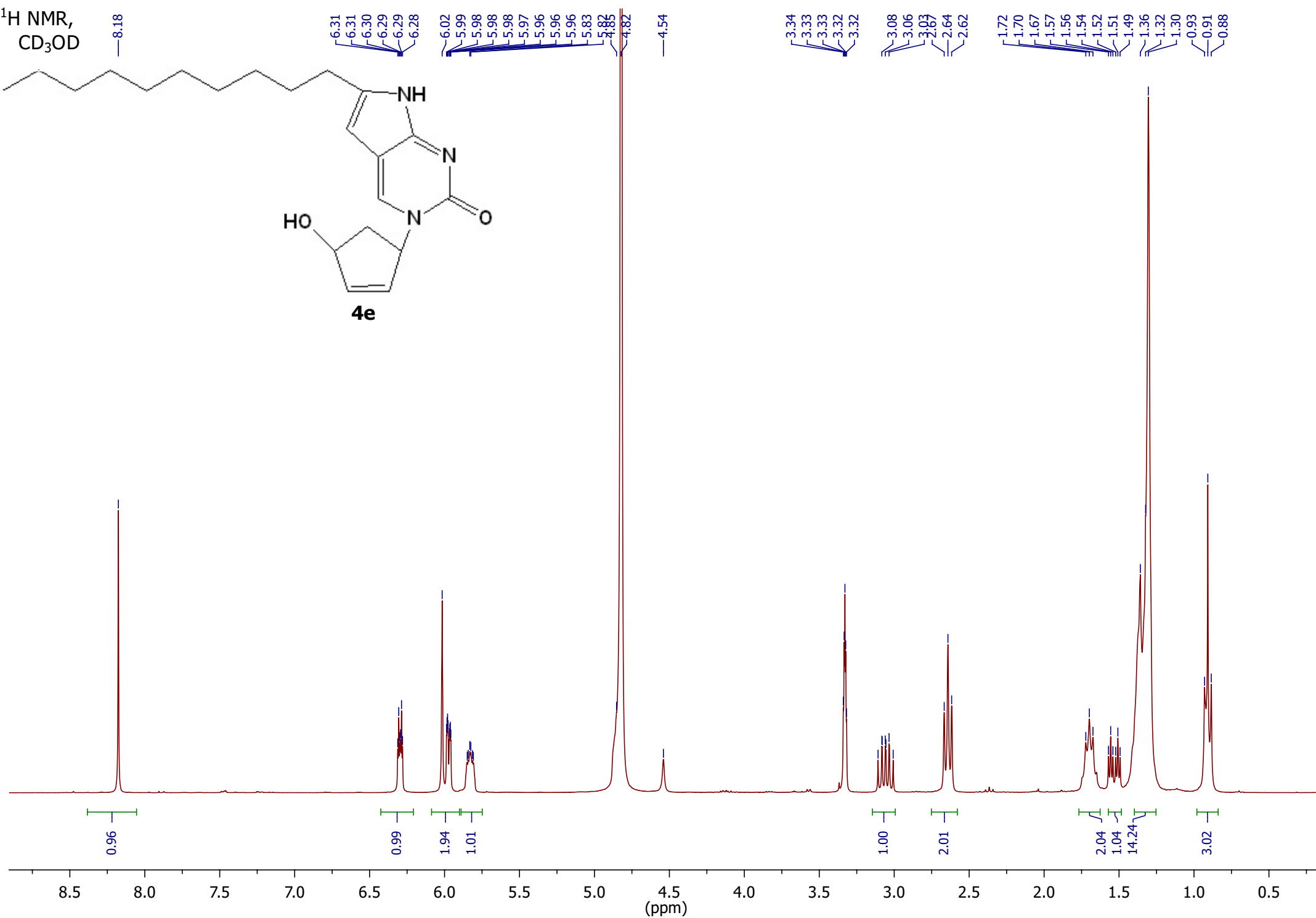
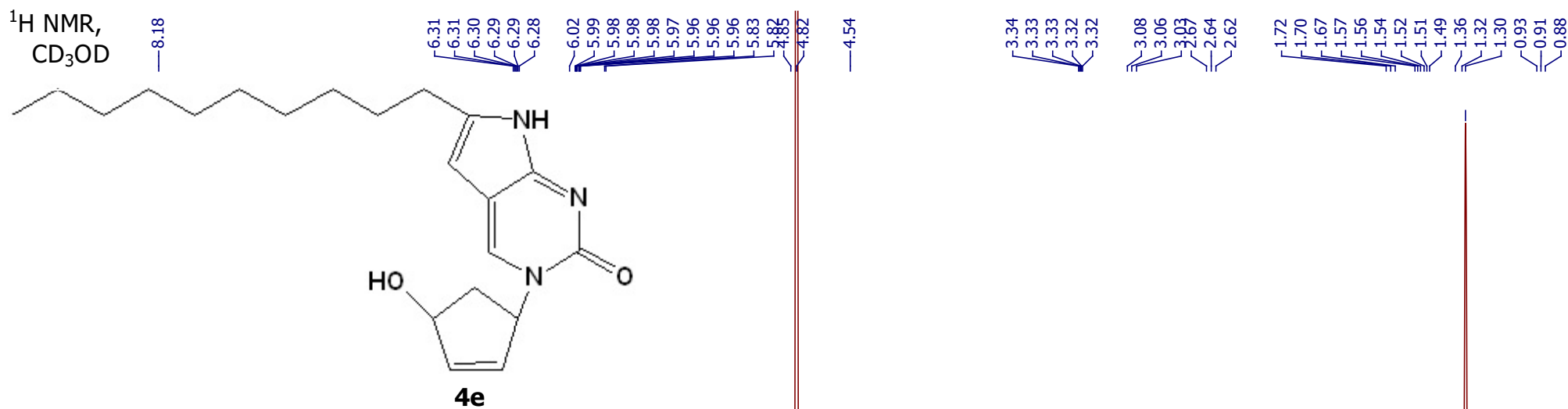


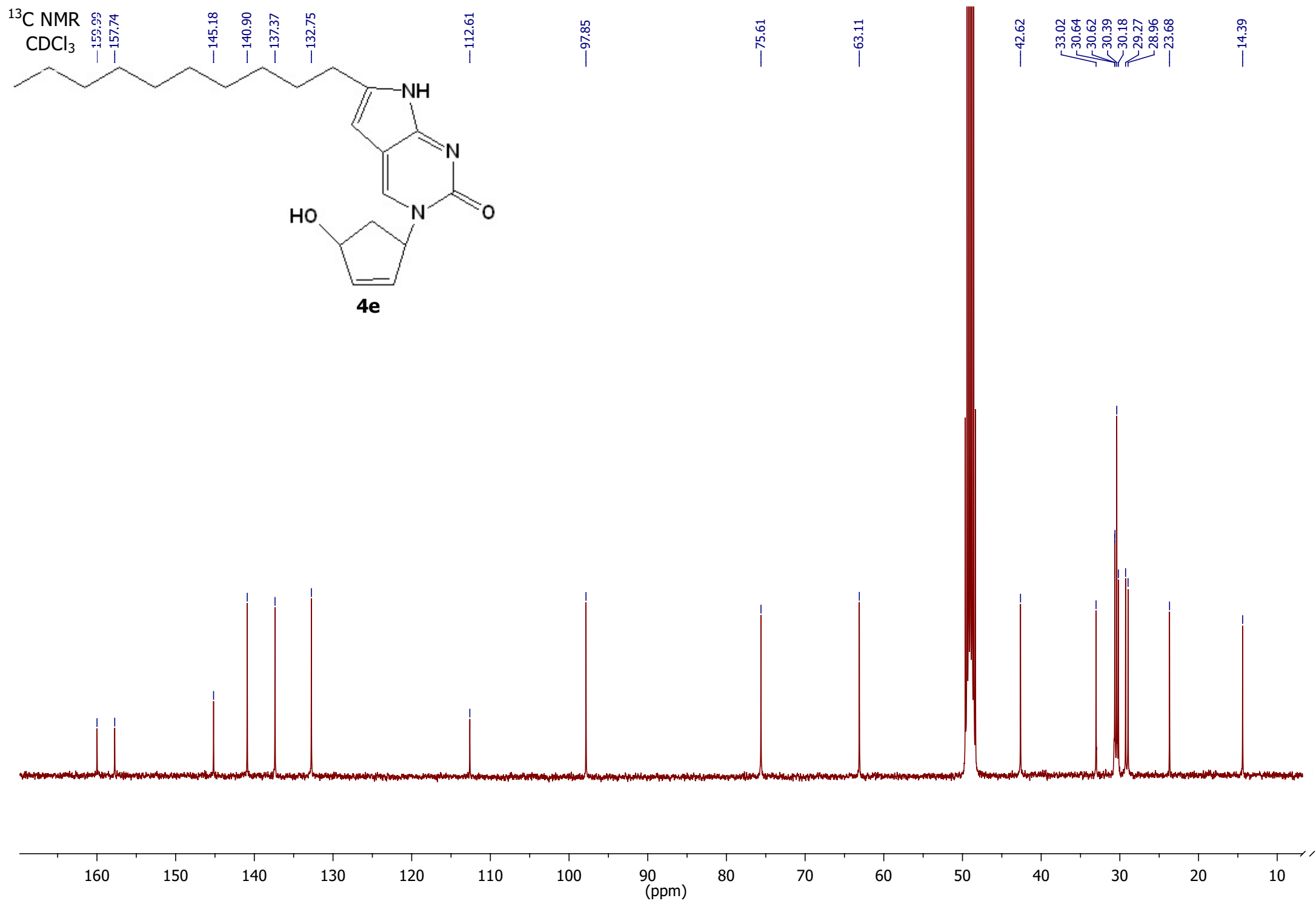




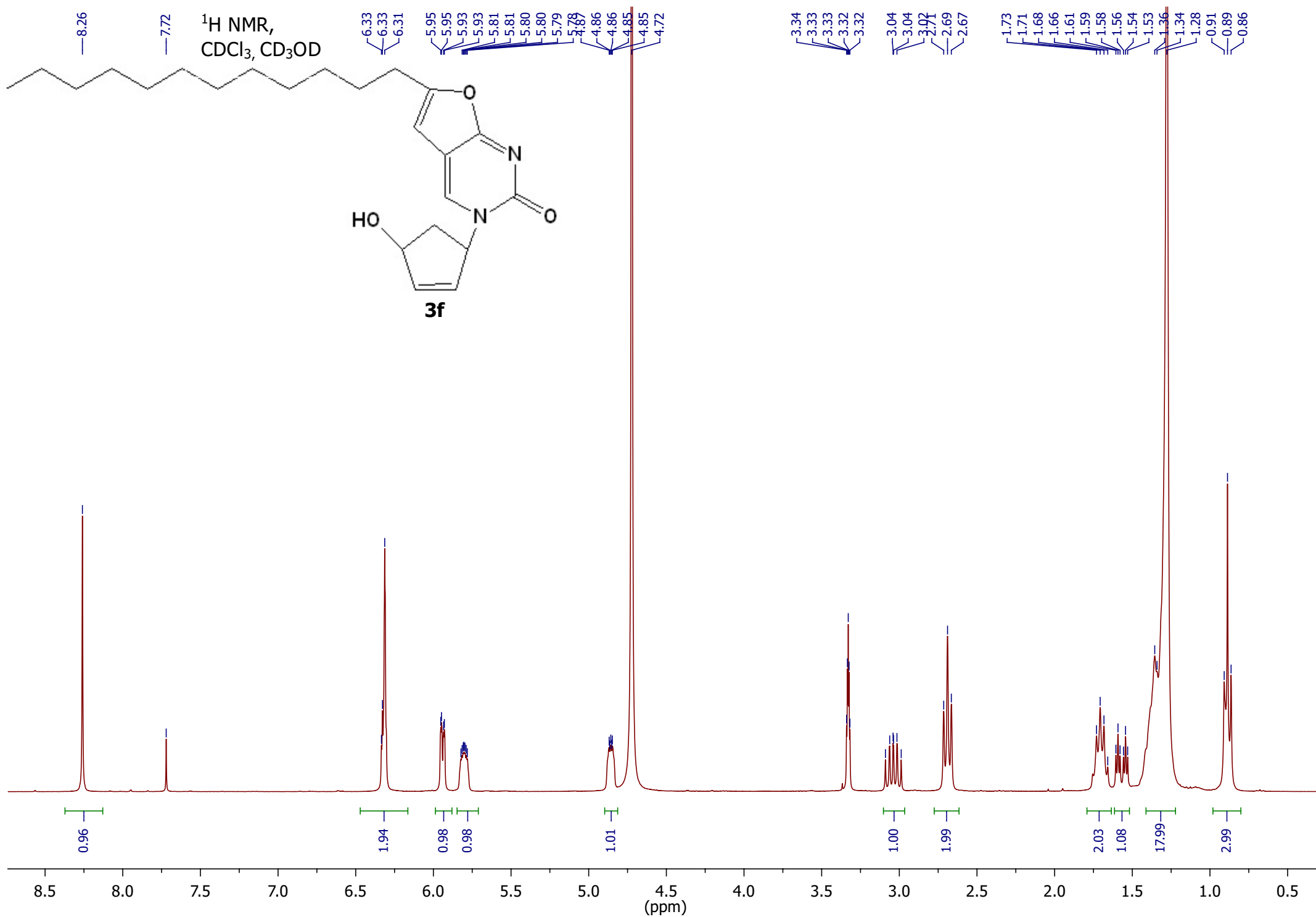
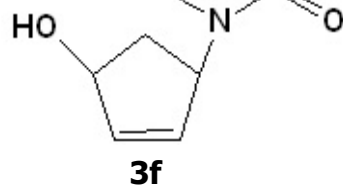
¹³C NMR,
CDCl₃

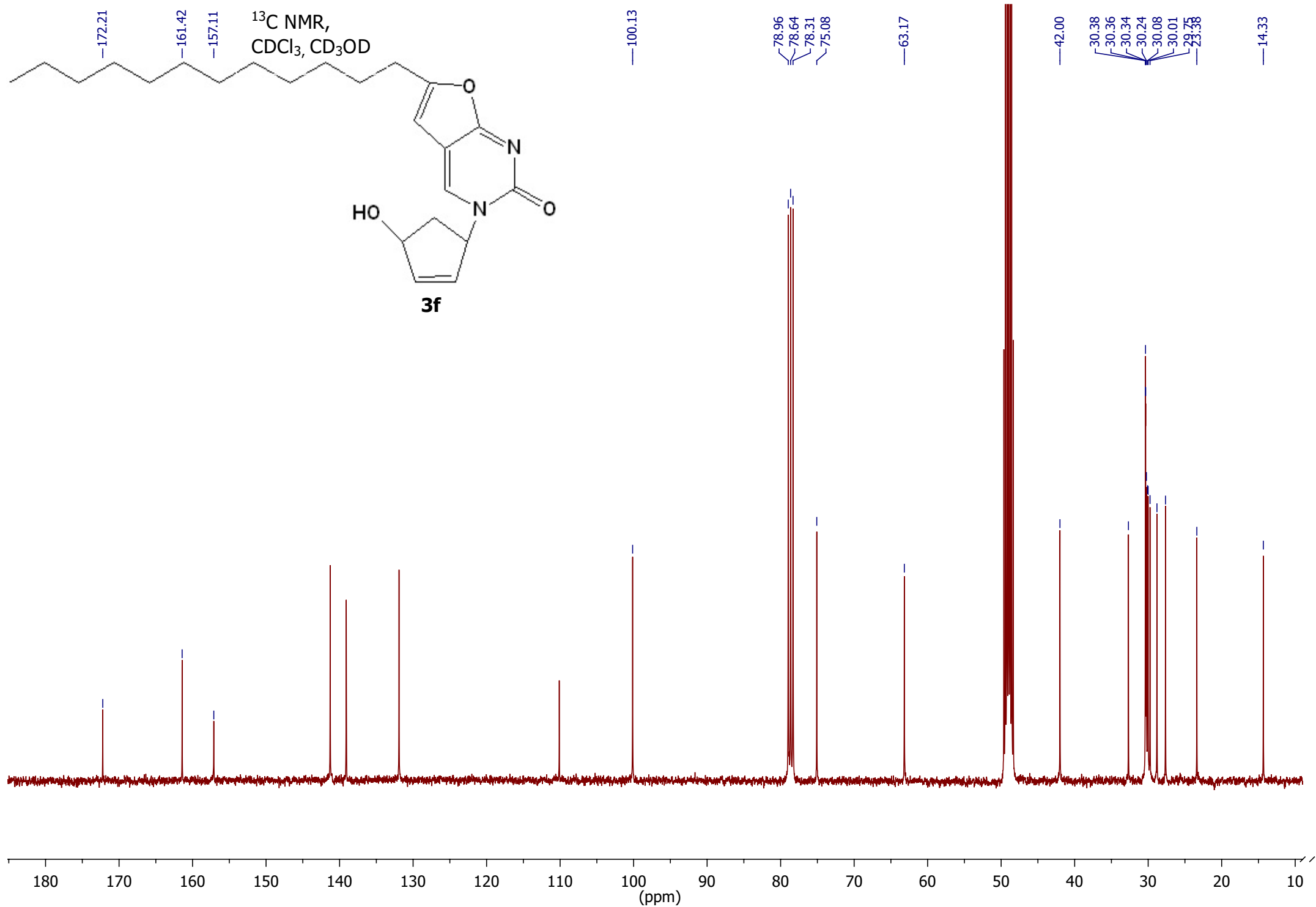


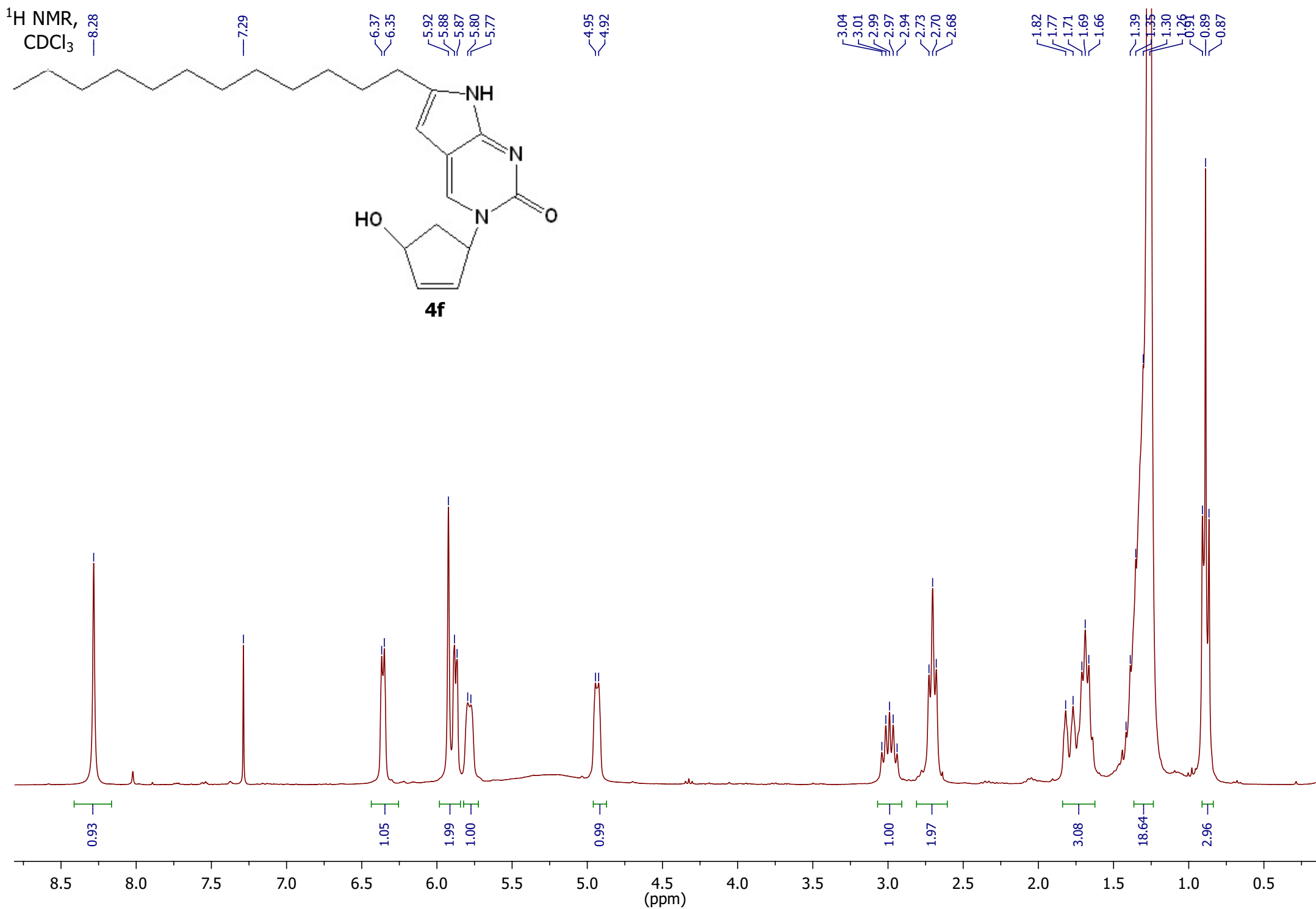
¹H NMR,
CD₃OD

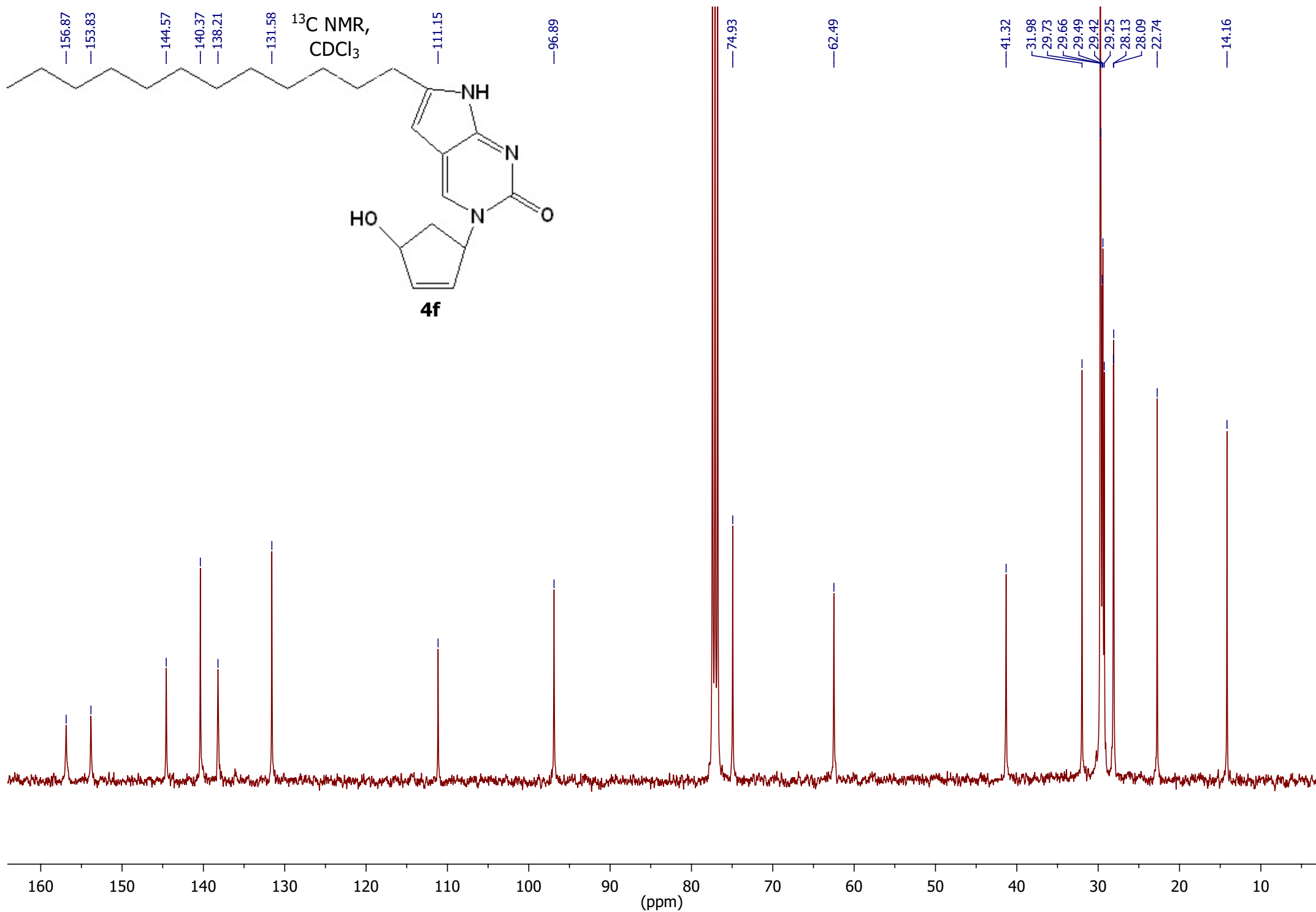


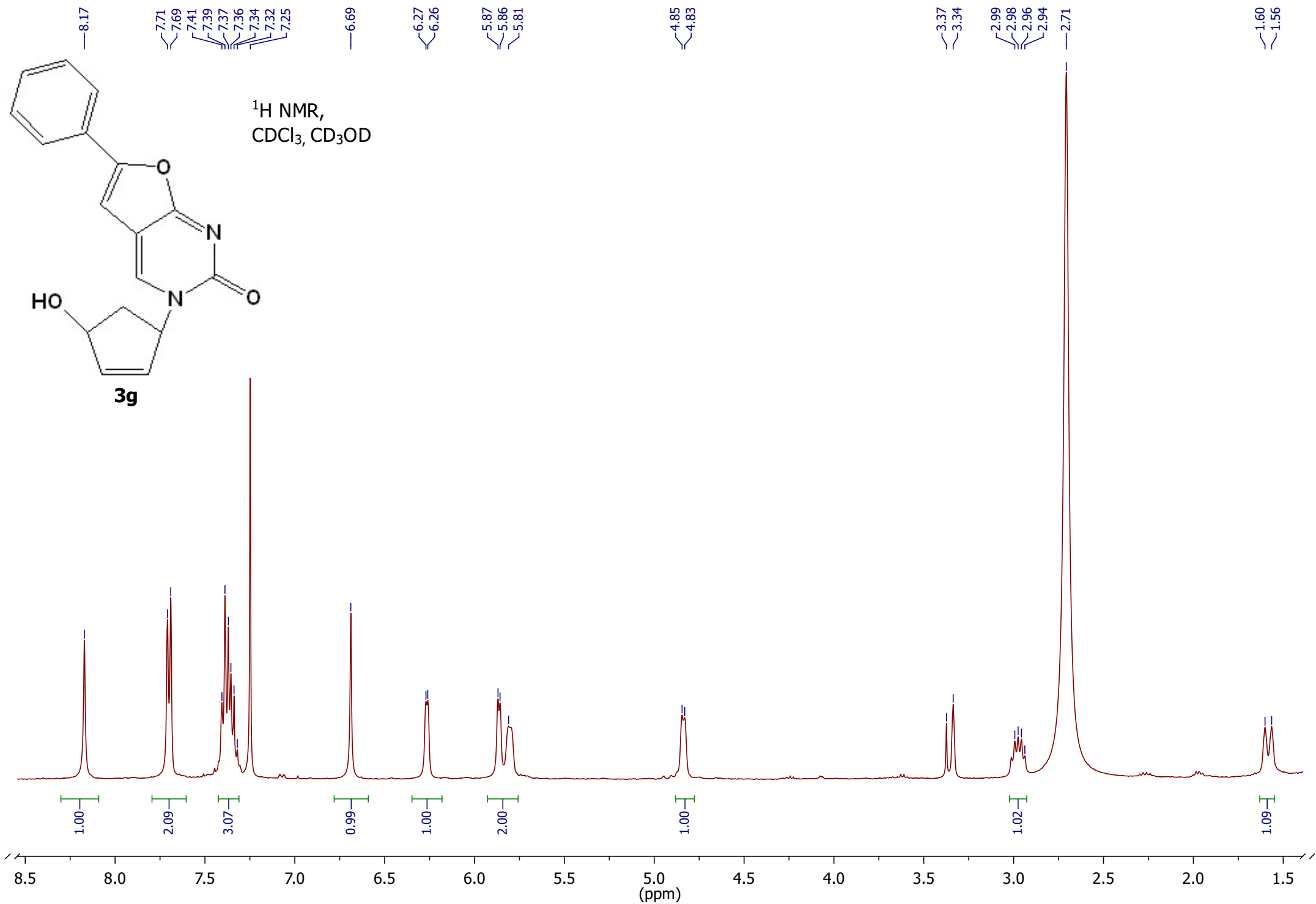
¹H NMR,
CDCl₃, CD₃OD

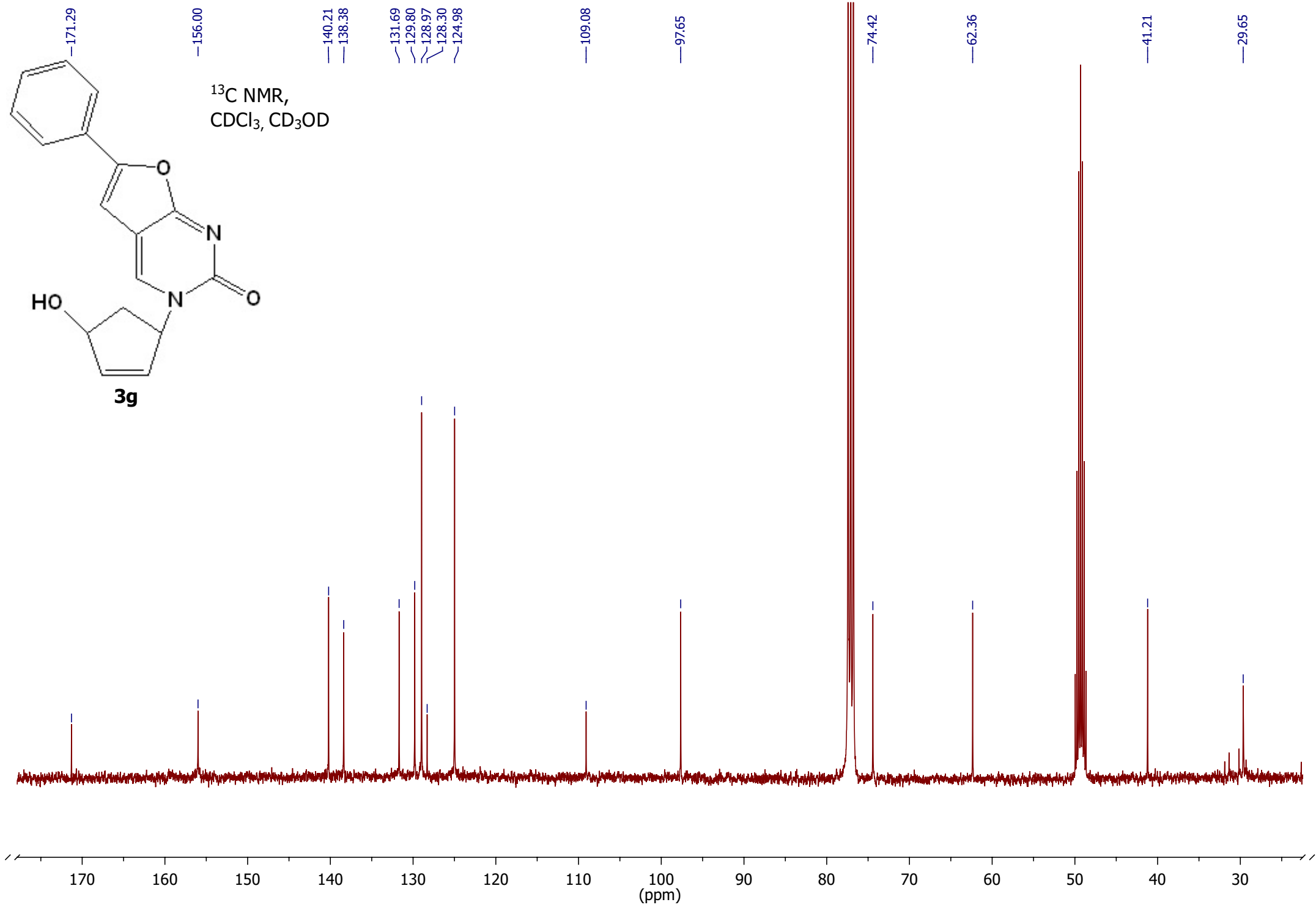


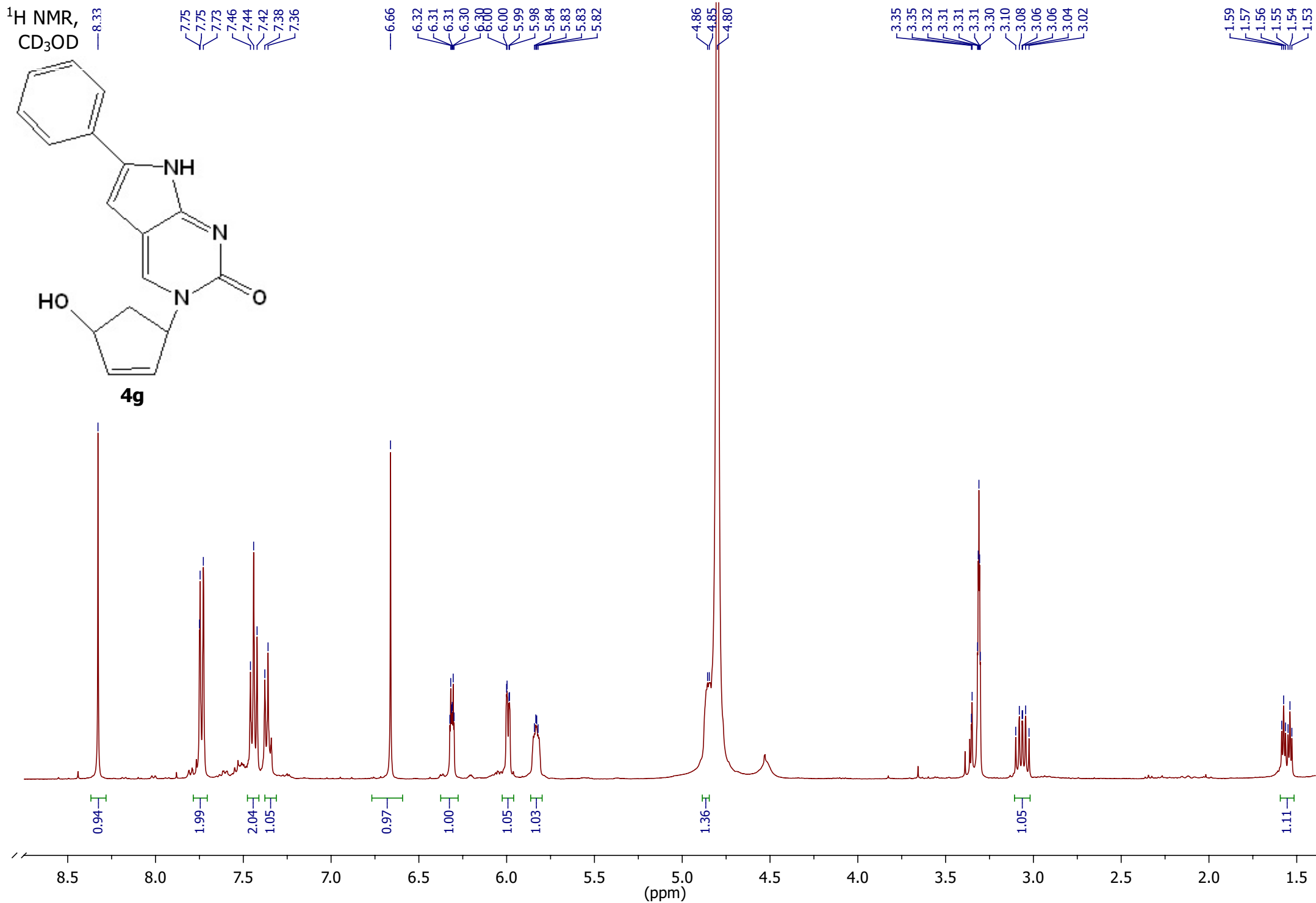


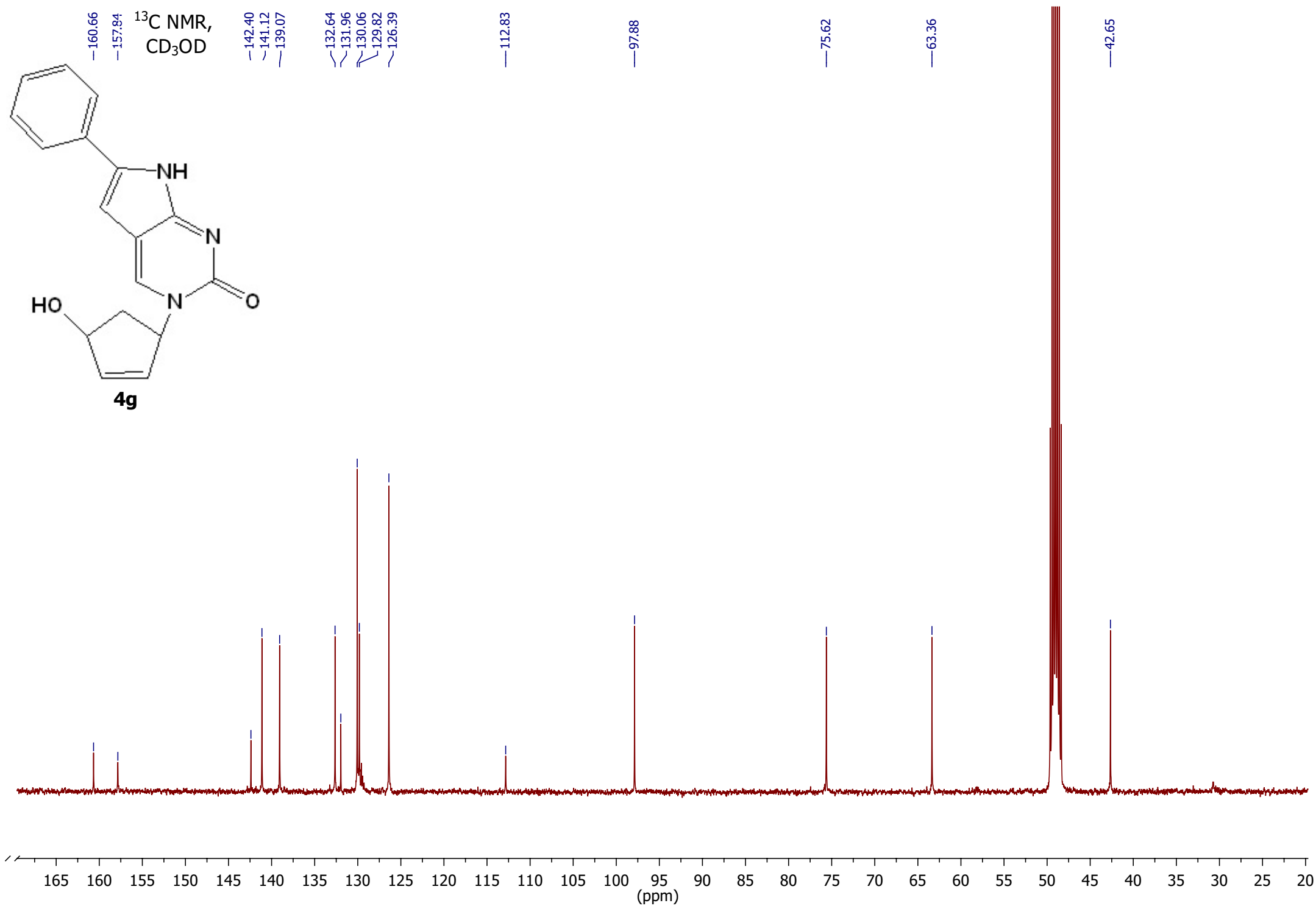
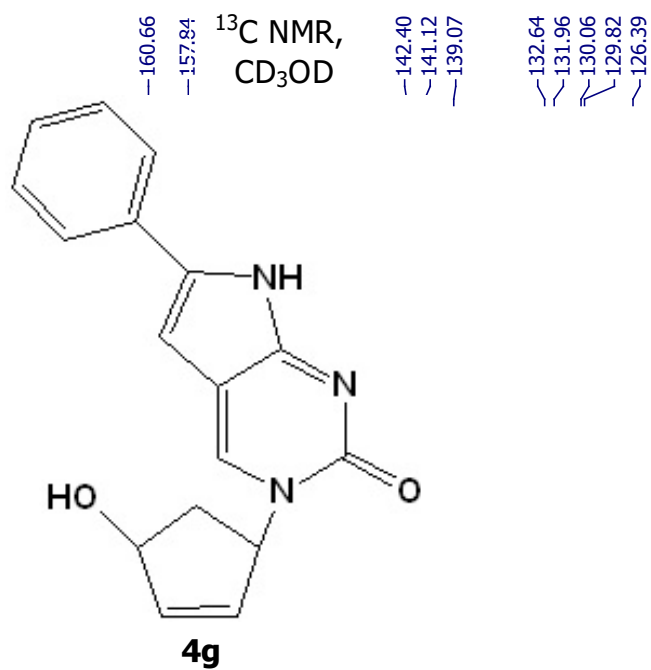


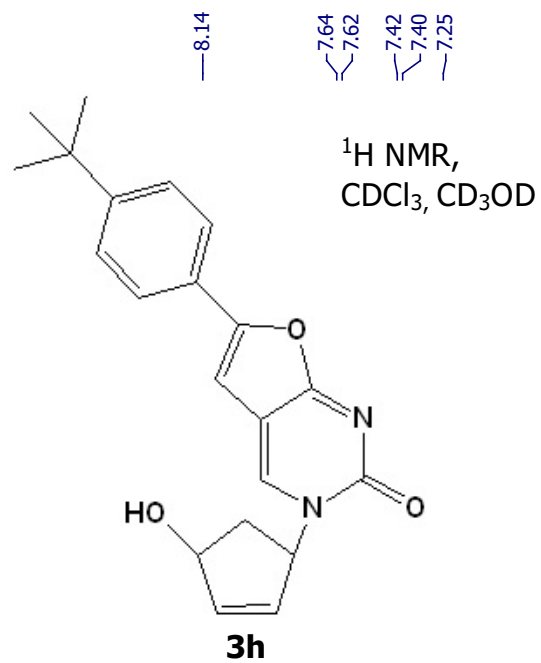












8.14

7.64

7.62

7.42

7.40

7.25

6.63

6.26

5.86

5.80

4.84

3.38

3.34

3.01

2.99

2.97

2.95

2.93

2.58

1.61

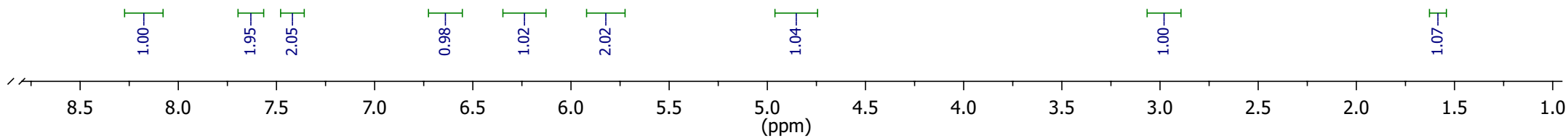
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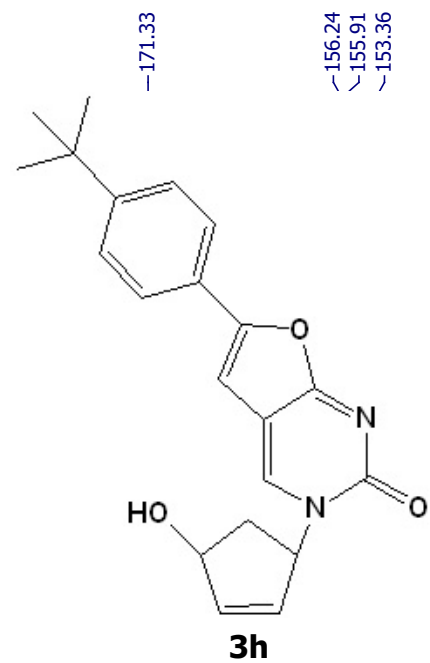
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1.23

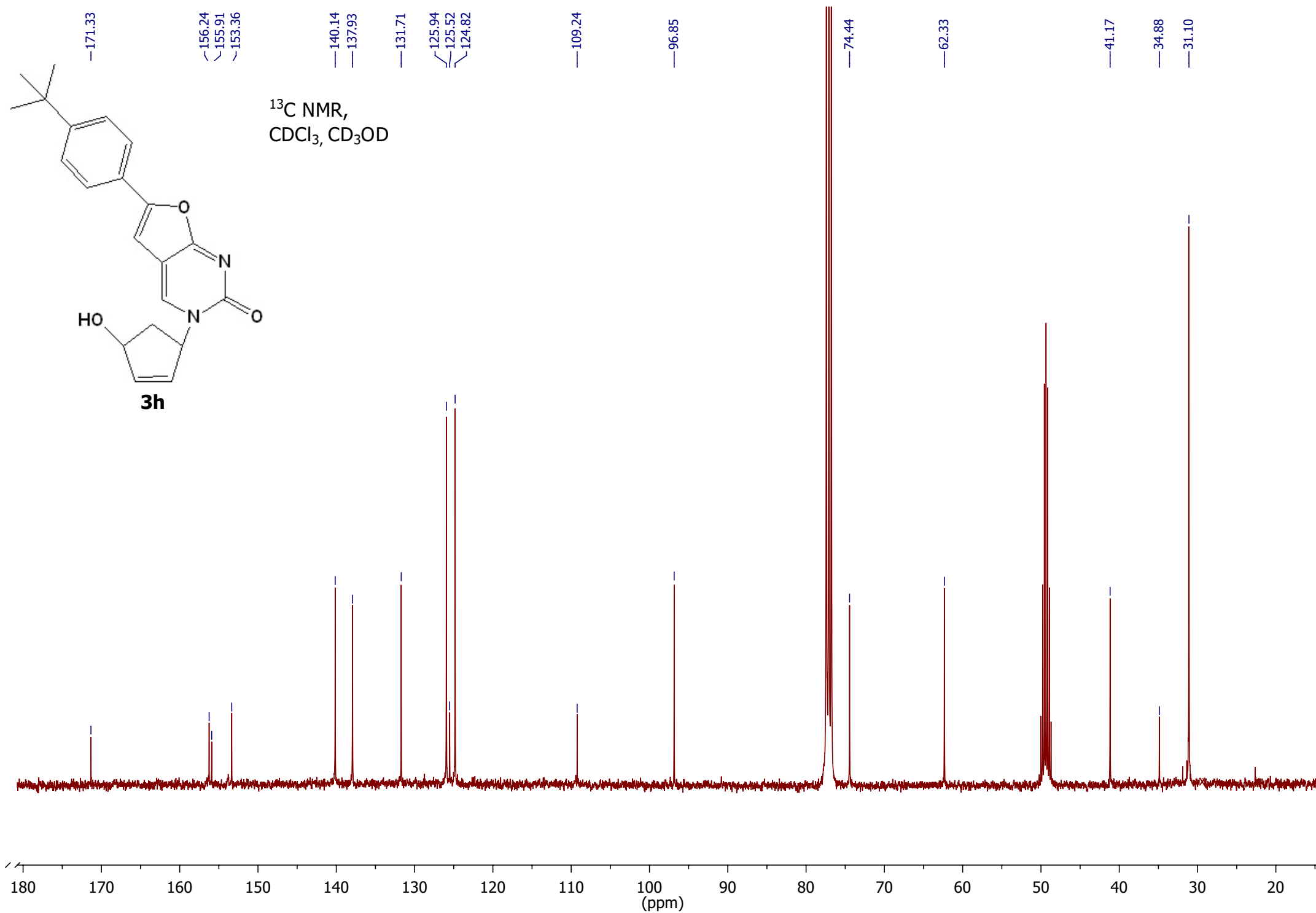
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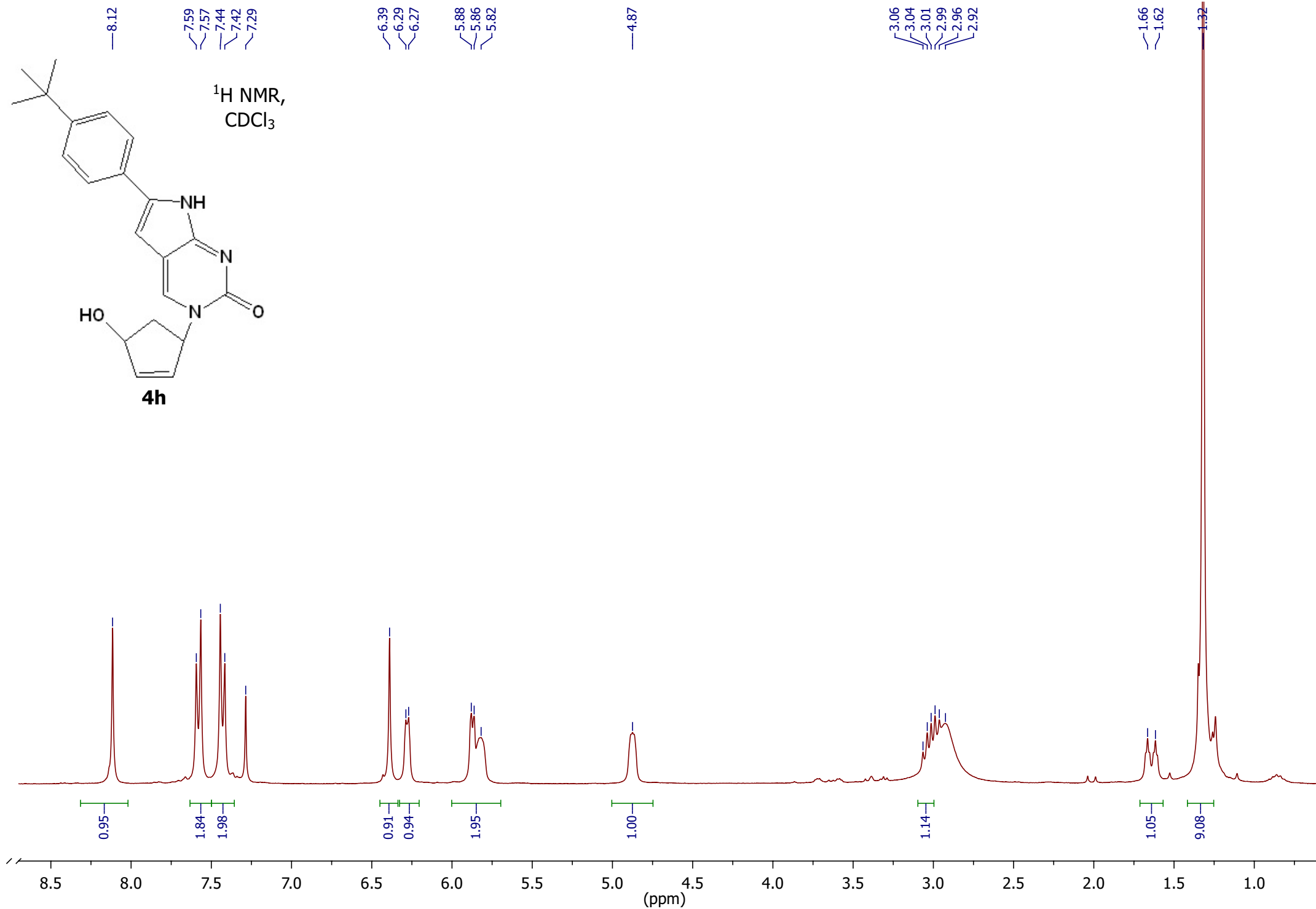
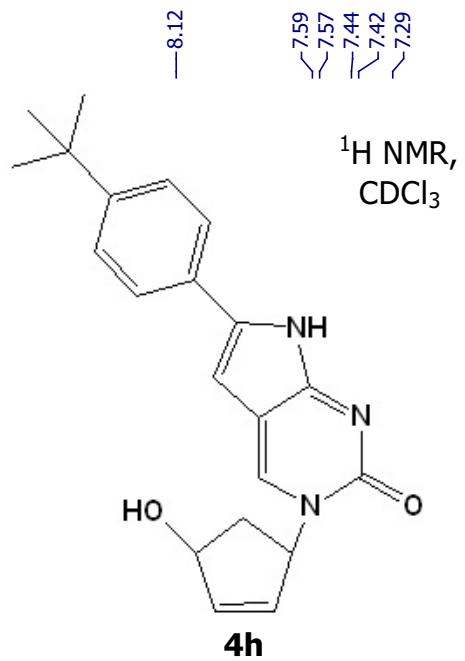
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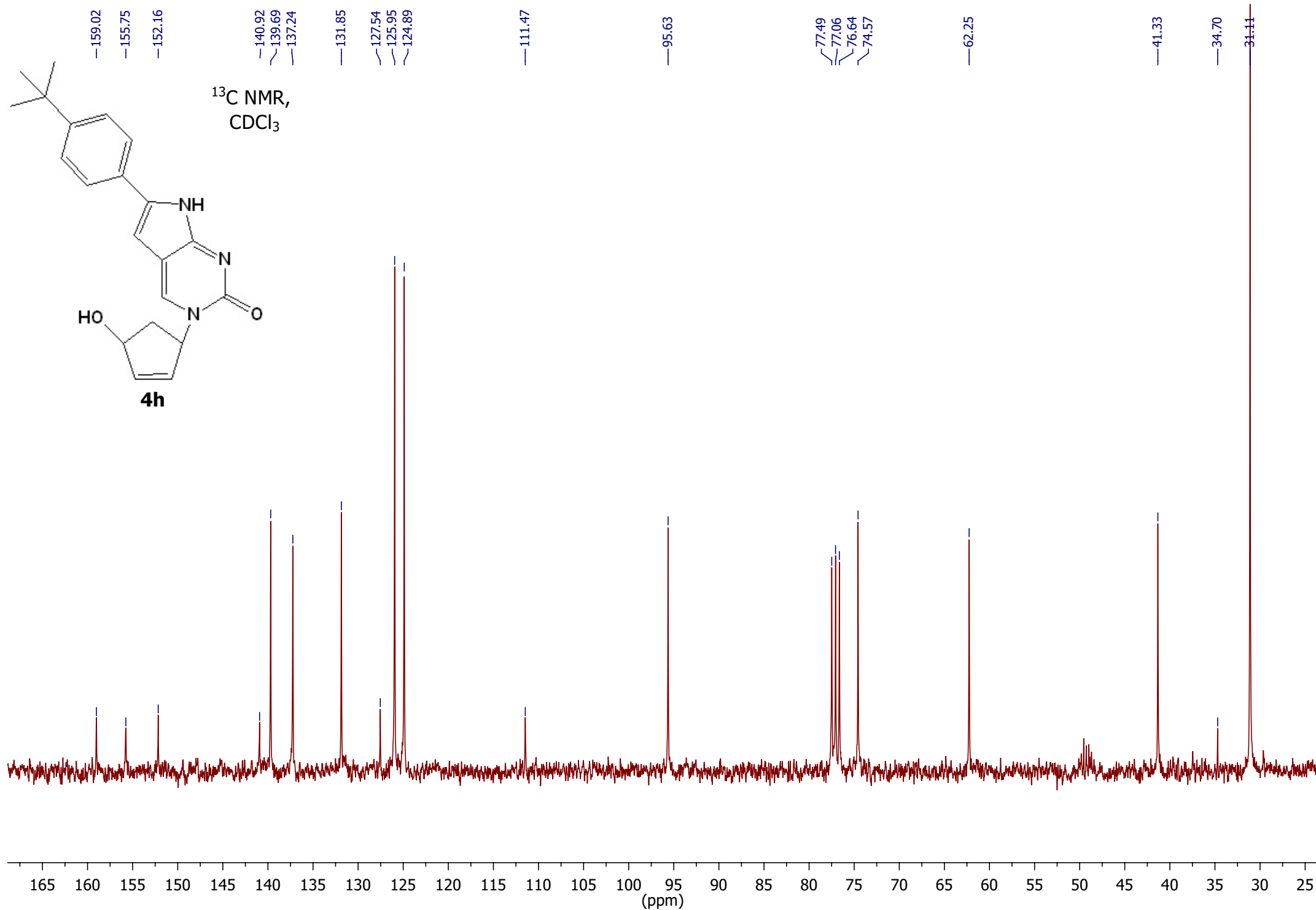


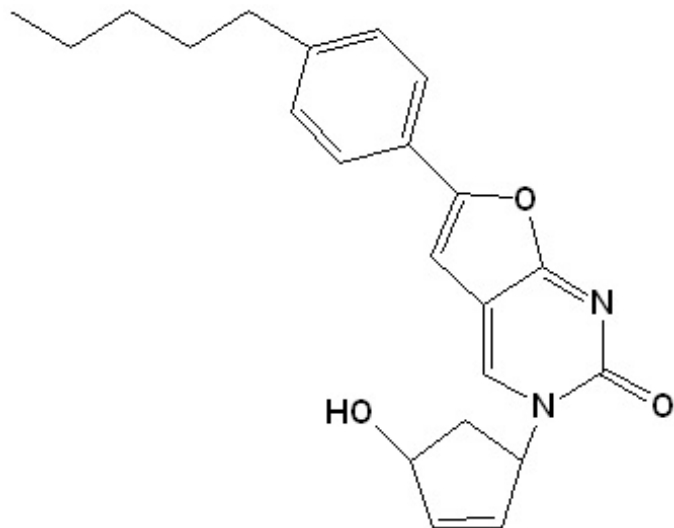


^{13}C NMR,
 CDCl_3 , CD_3OD



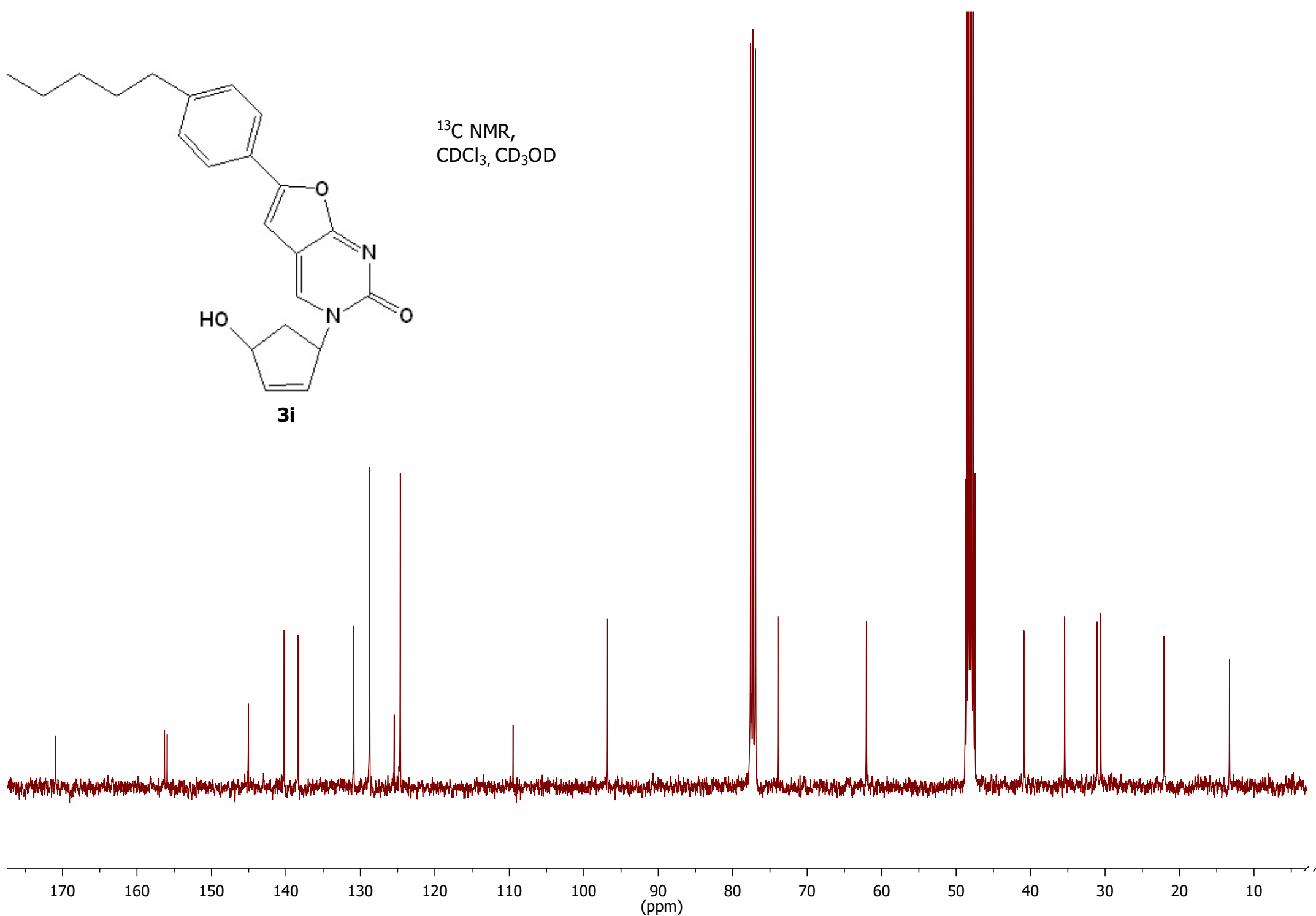


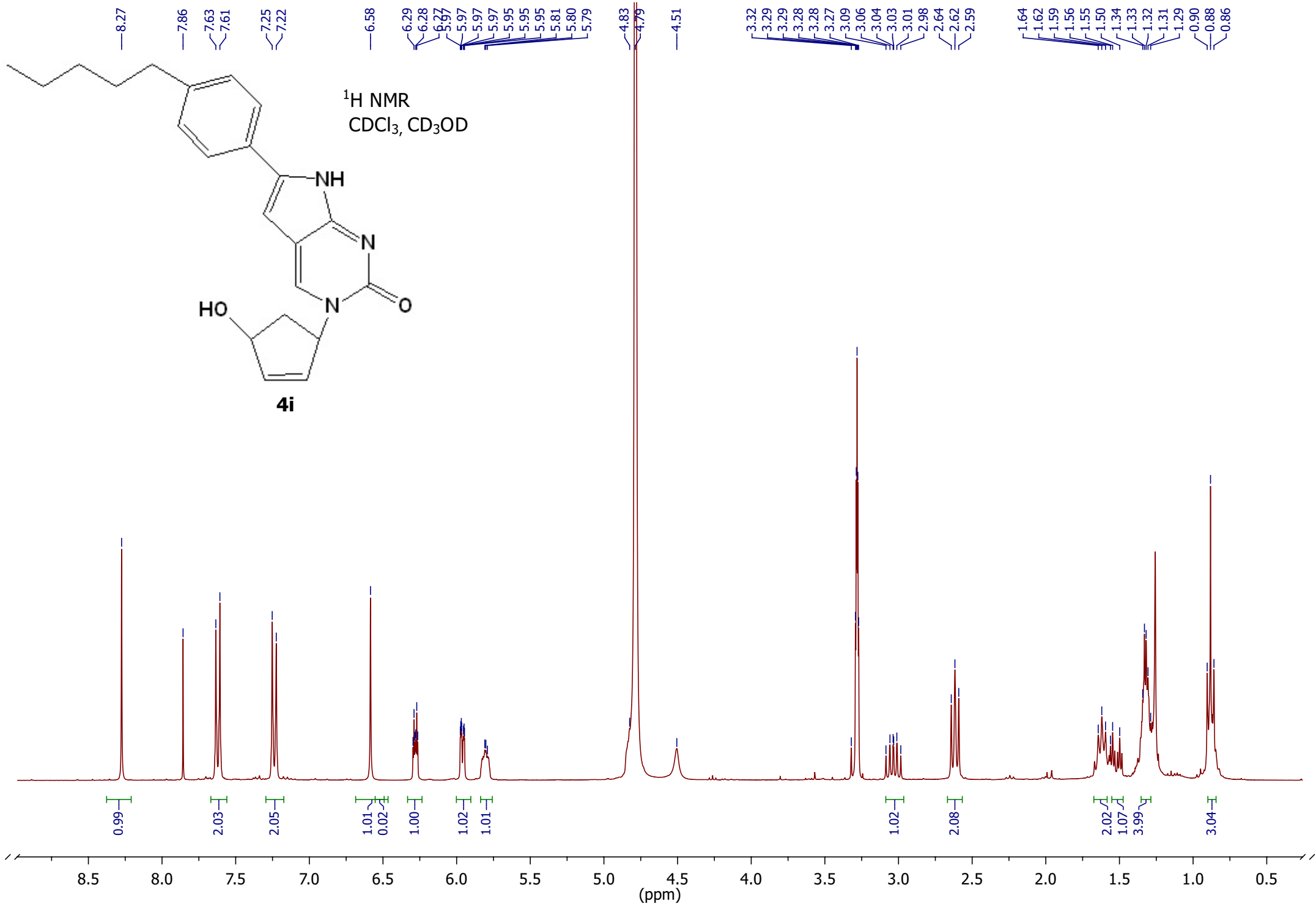


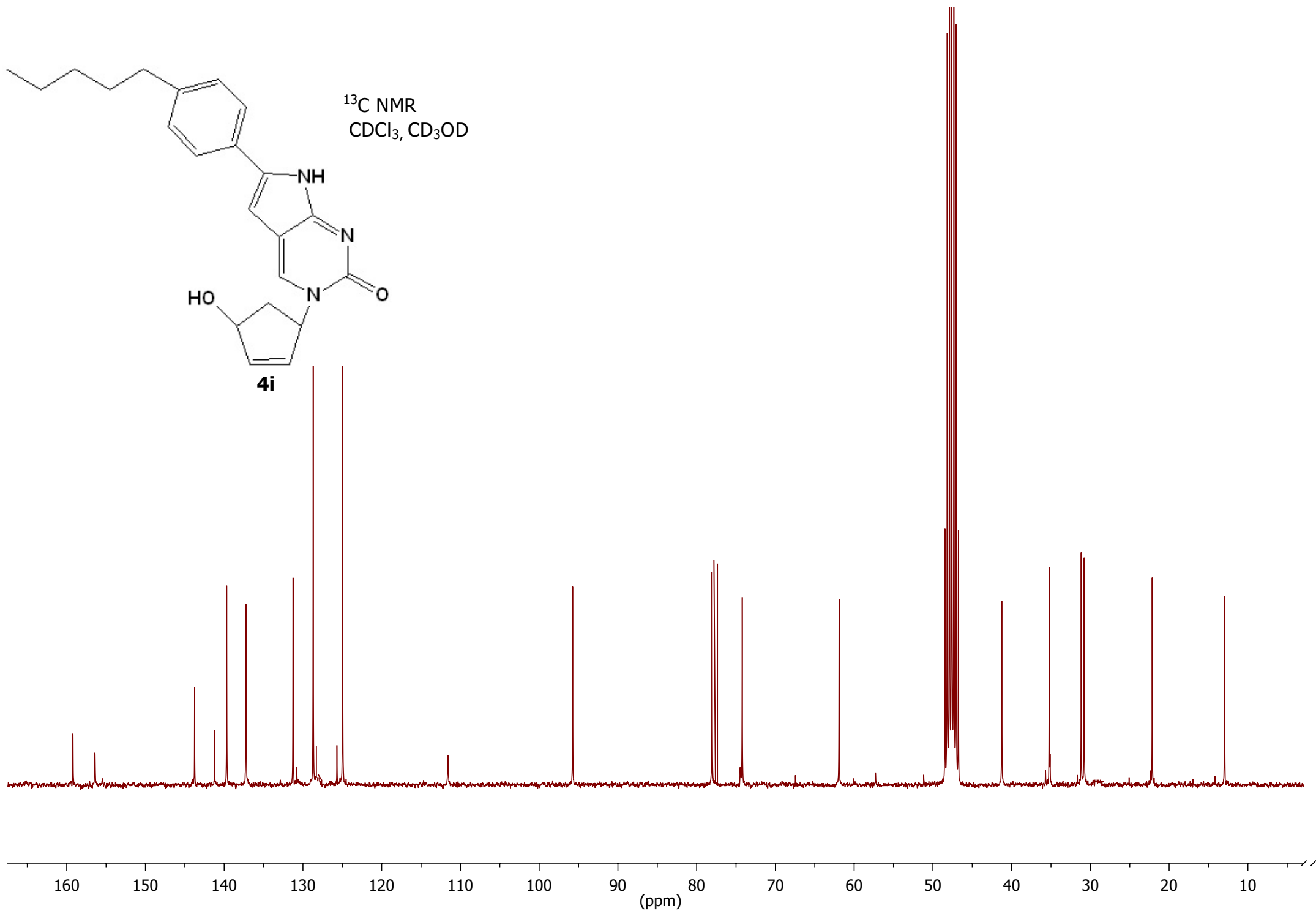
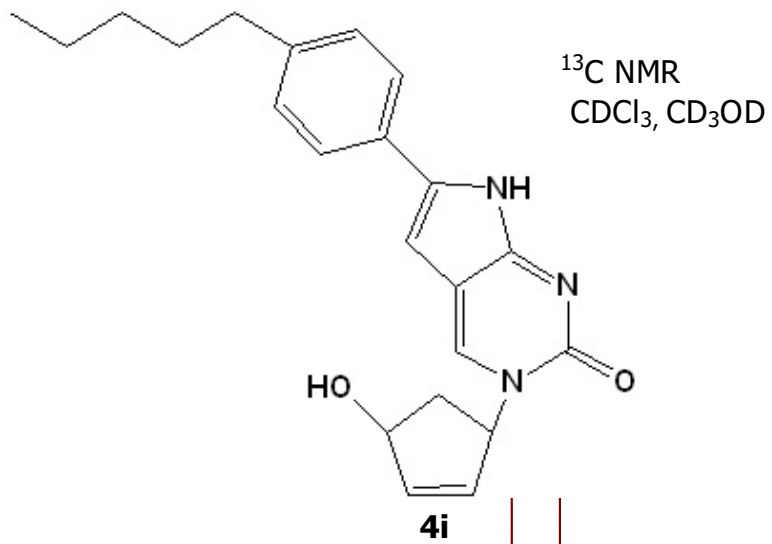


3i

^{13}C NMR,
 CDCl_3 , CD_3OD







¹H NMR
CD₃OD

