

Supporting information

Pictet-Spengler Condensations Using 4-(2-Aminoethyl)coumarins

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^e Department of Molecular and Cellular Biochemistry, College of Medicine, University of Kentucky, Lexington, KY 40536-0509 USA;

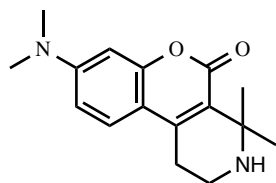
^f Department of Chemistry, College of Arts and Sciences, University of Kentucky, Lexington, KY 40506 USA;

^g NMR Center, College of Pharmacy, University of Kentucky, Lexington, KY 40536-0596;

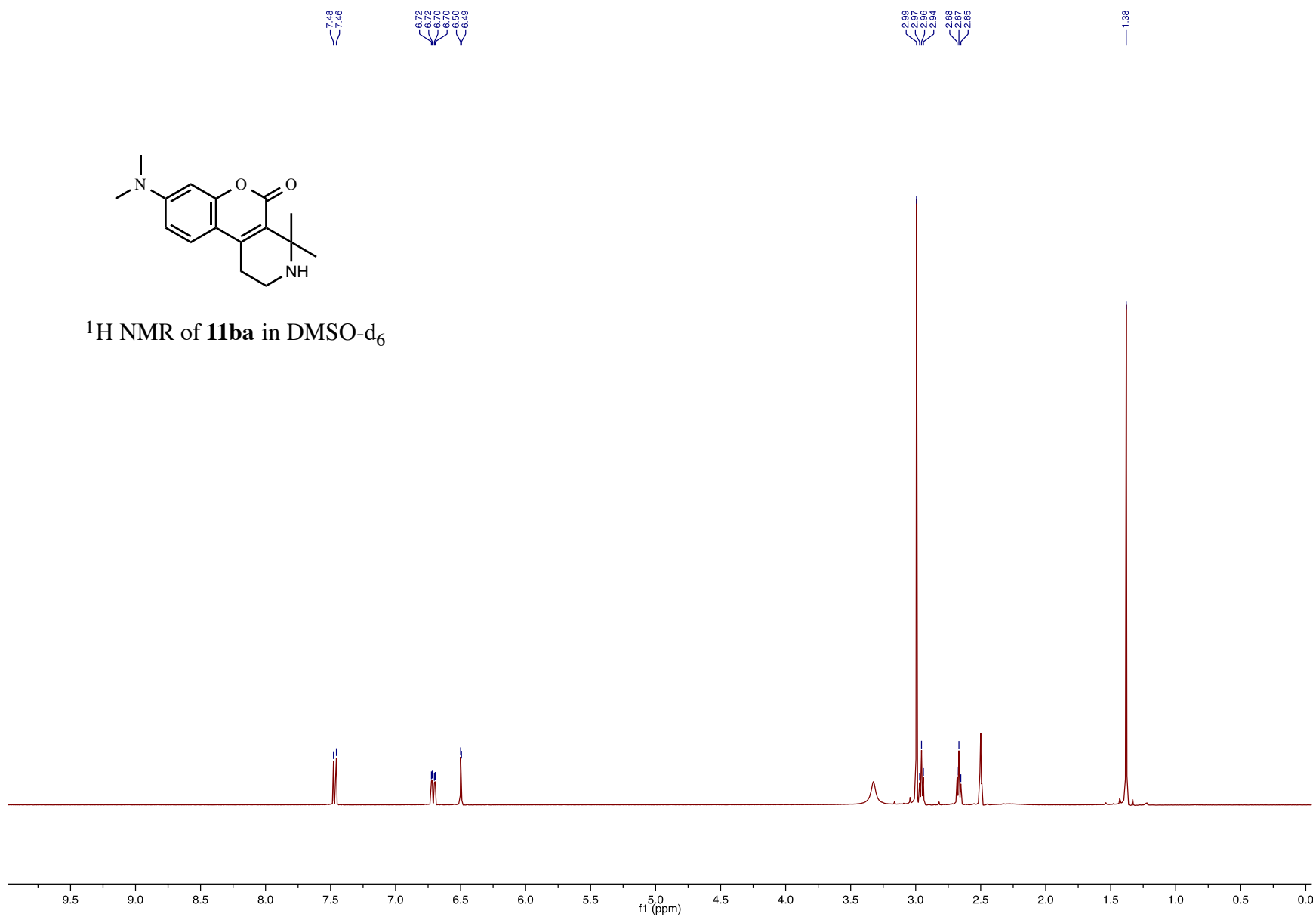
^h College of Chemistry and Material Science, South Central University for Nationalities, Wuhan 430074, People's Republic of China; and

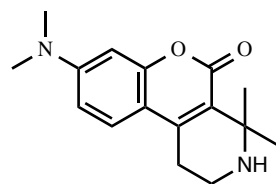
ⁱ Department of Urology, Roswell Park Comprehensive Cancer Center, Buffalo, NY 14263 USA.

NMR Spectra of Synthesized Compounds S2

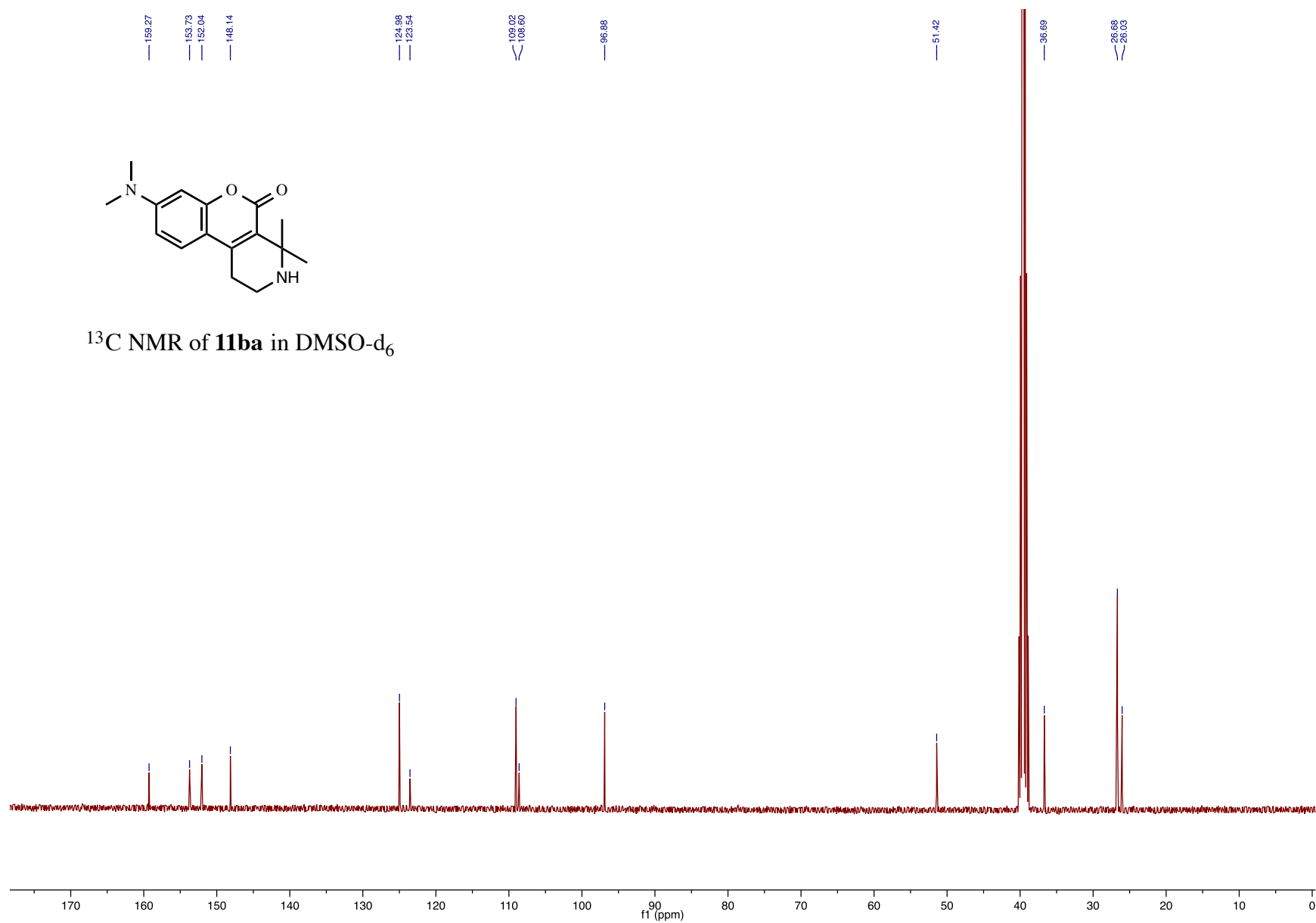


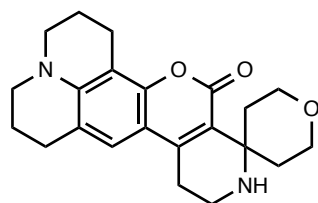
^1H NMR of **11ba** in DMSO- d_6



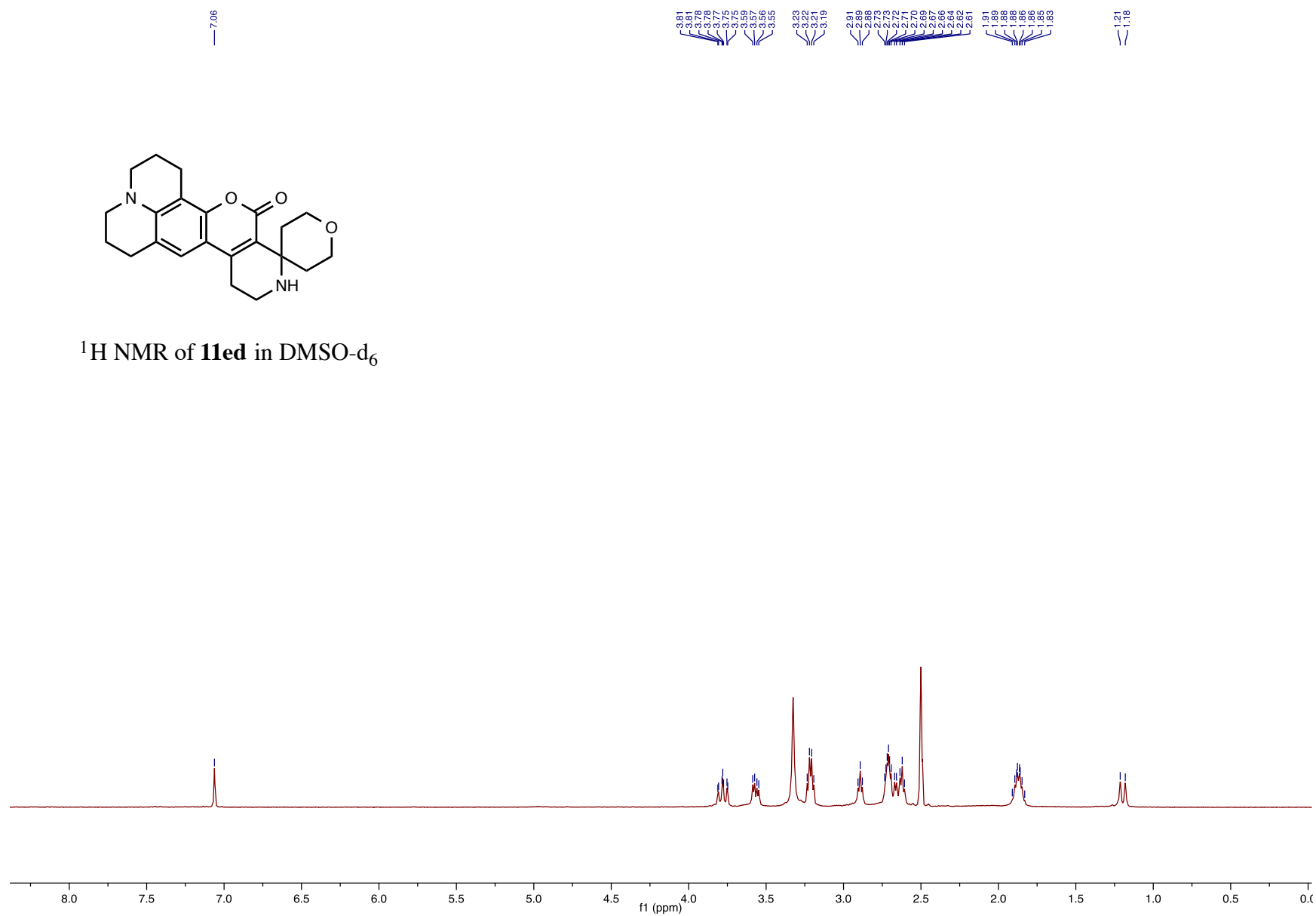


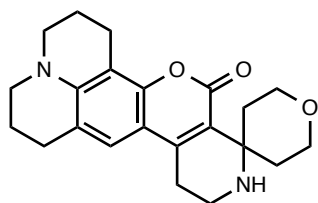
^{13}C NMR of **11ba** in DMSO- d_6



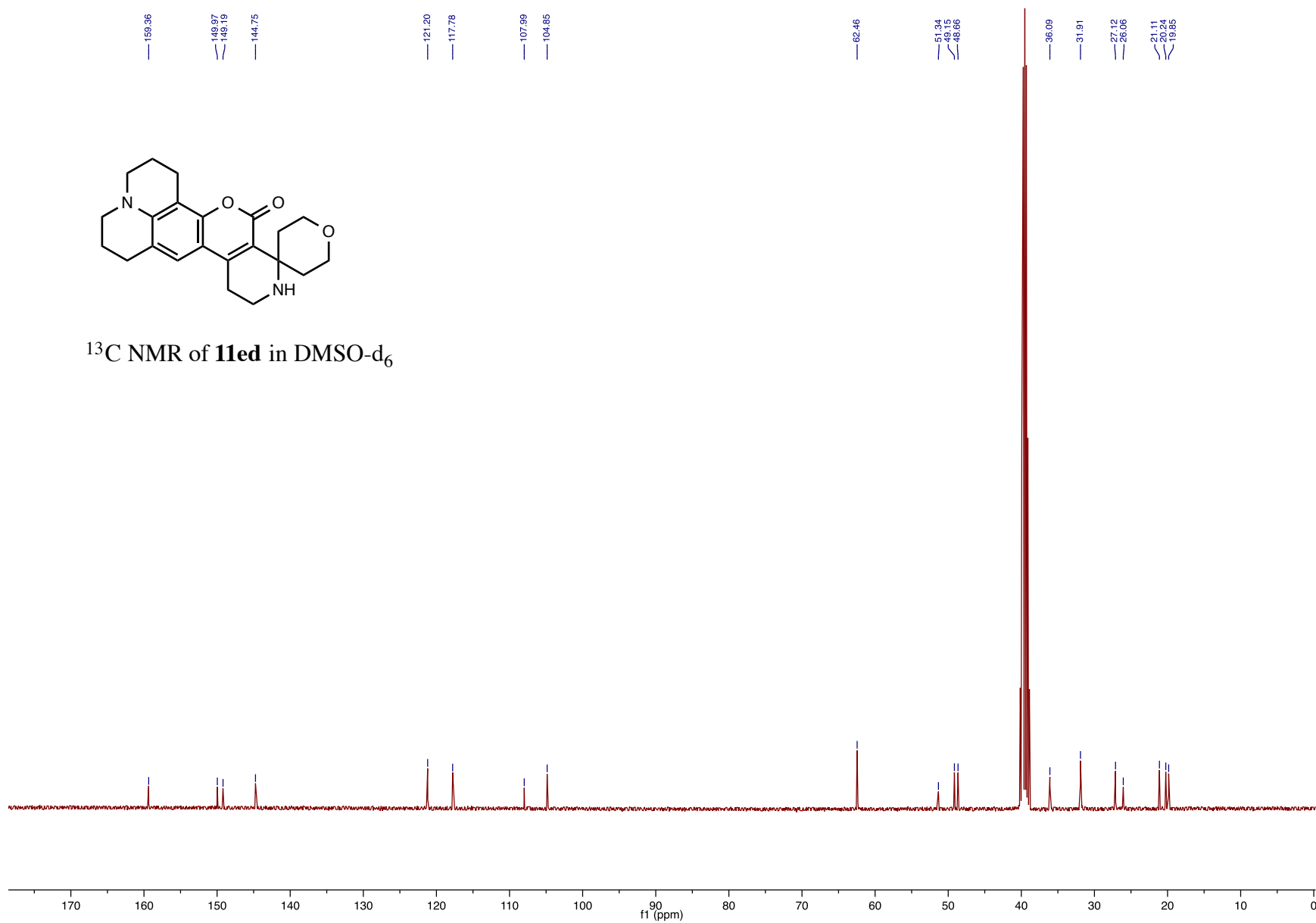


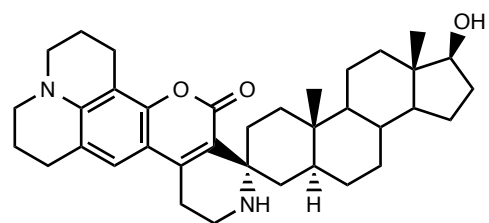
^1H NMR of **11ed** in DMSO- d_6



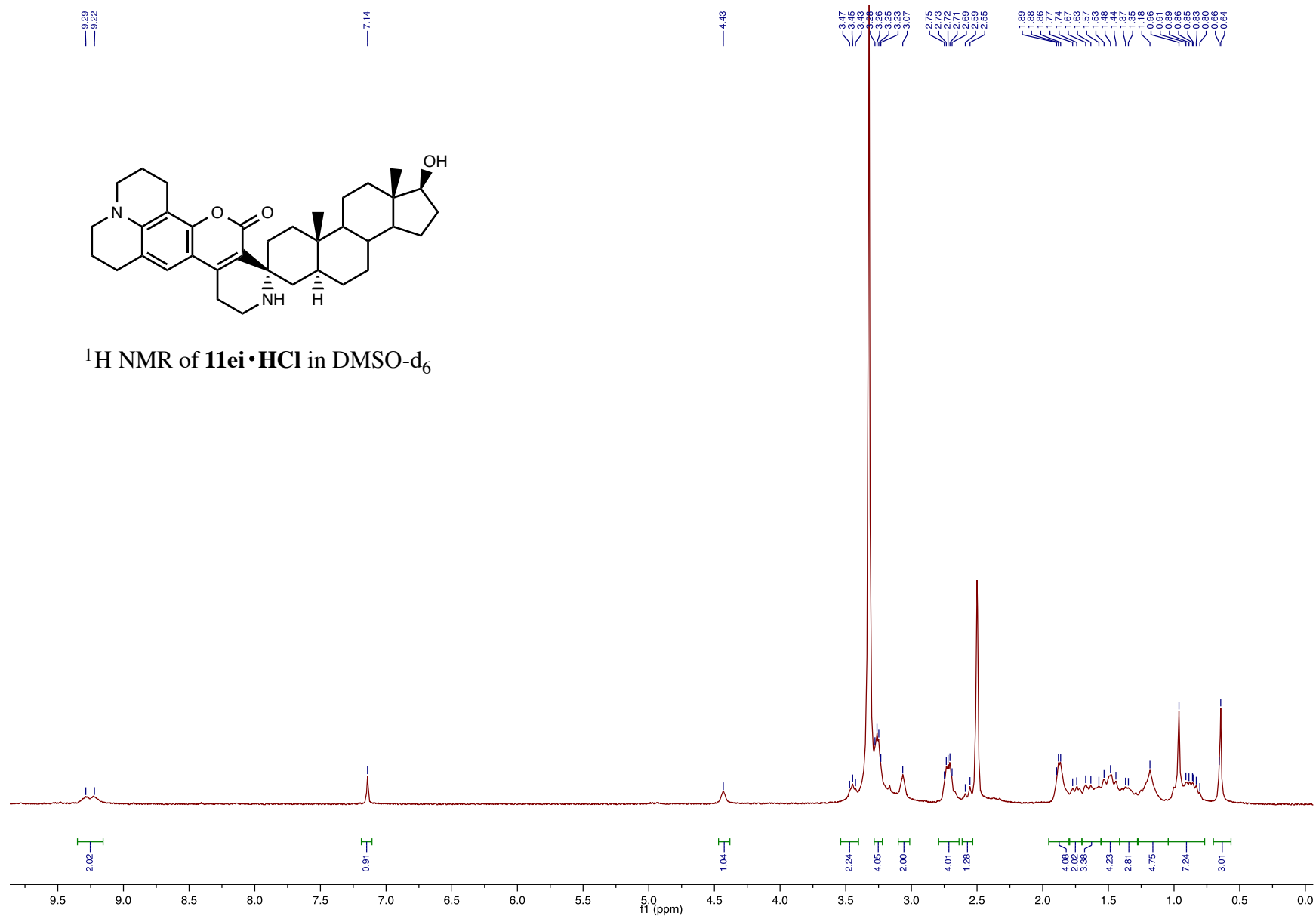


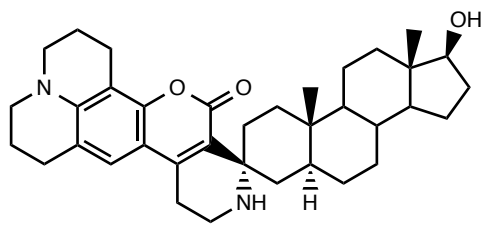
^{13}C NMR of **11ed** in DMSO- d_6



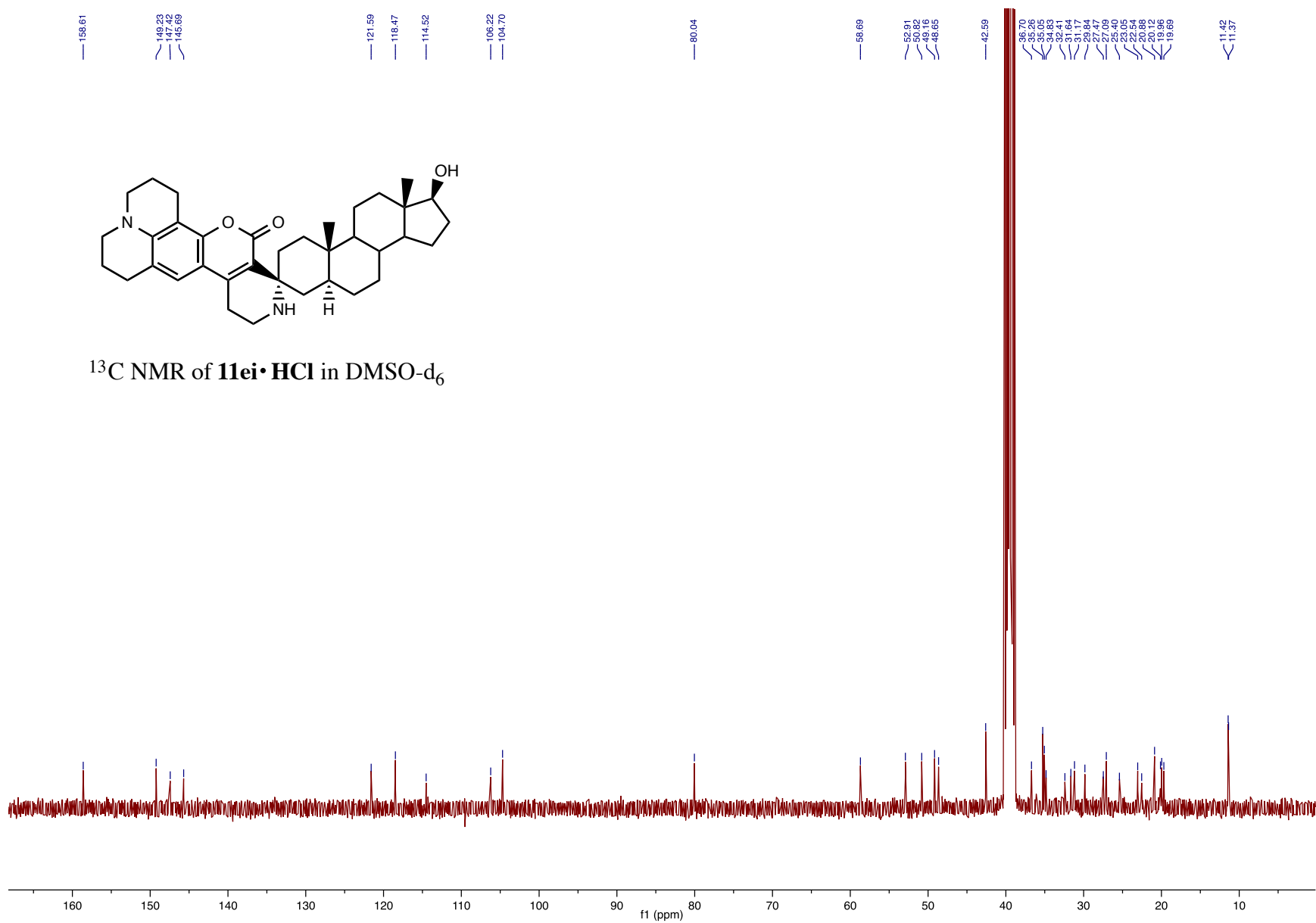


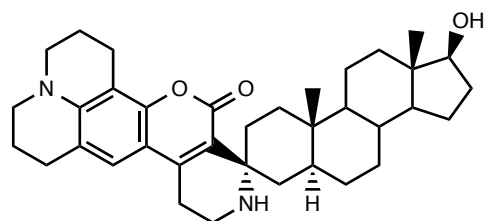
^1H NMR of **11ei**•HCl in DMSO- d_6



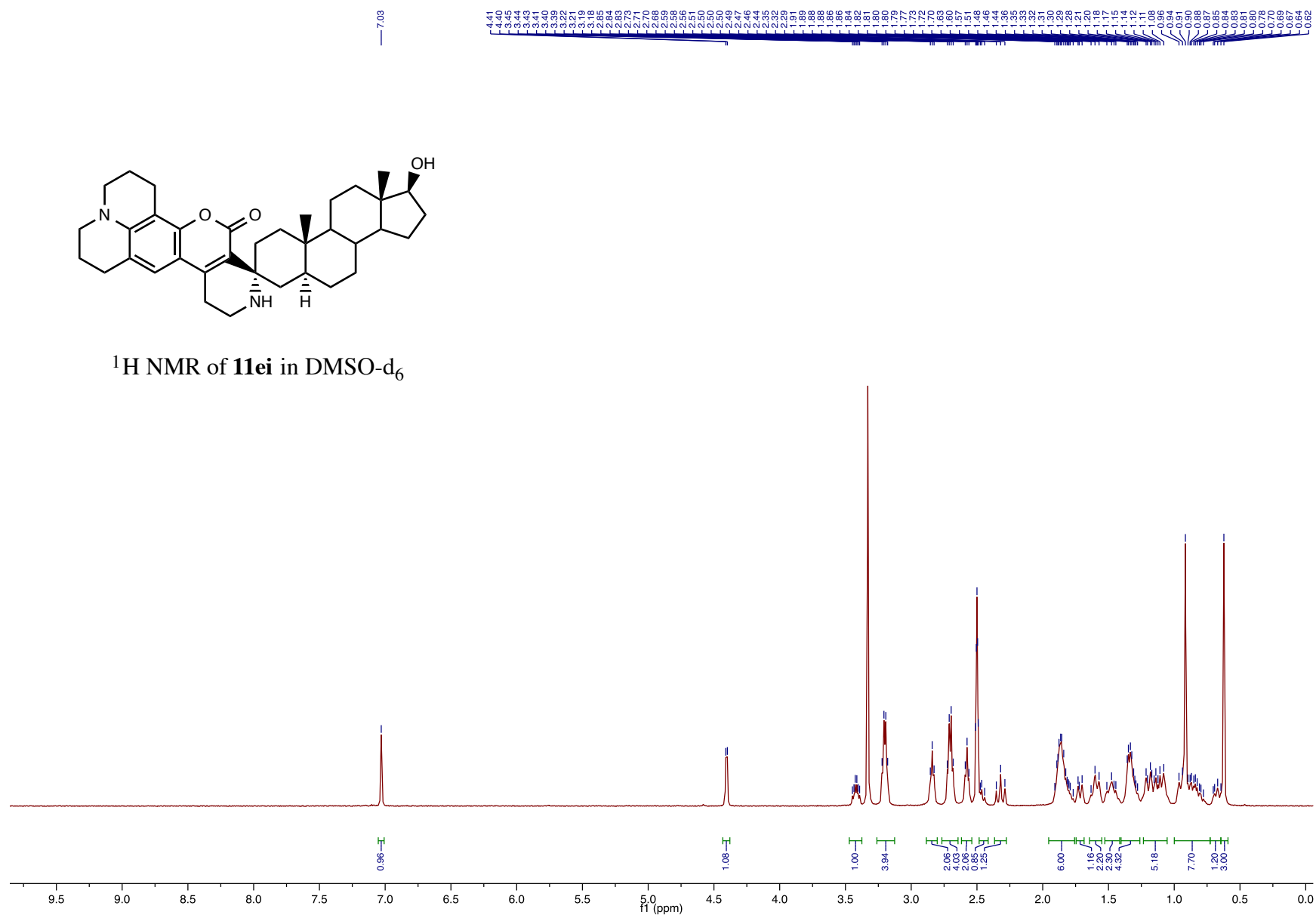


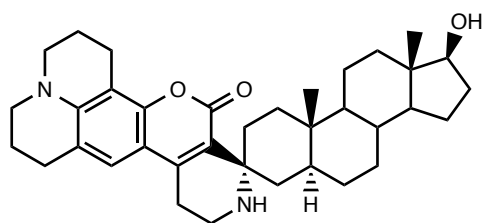
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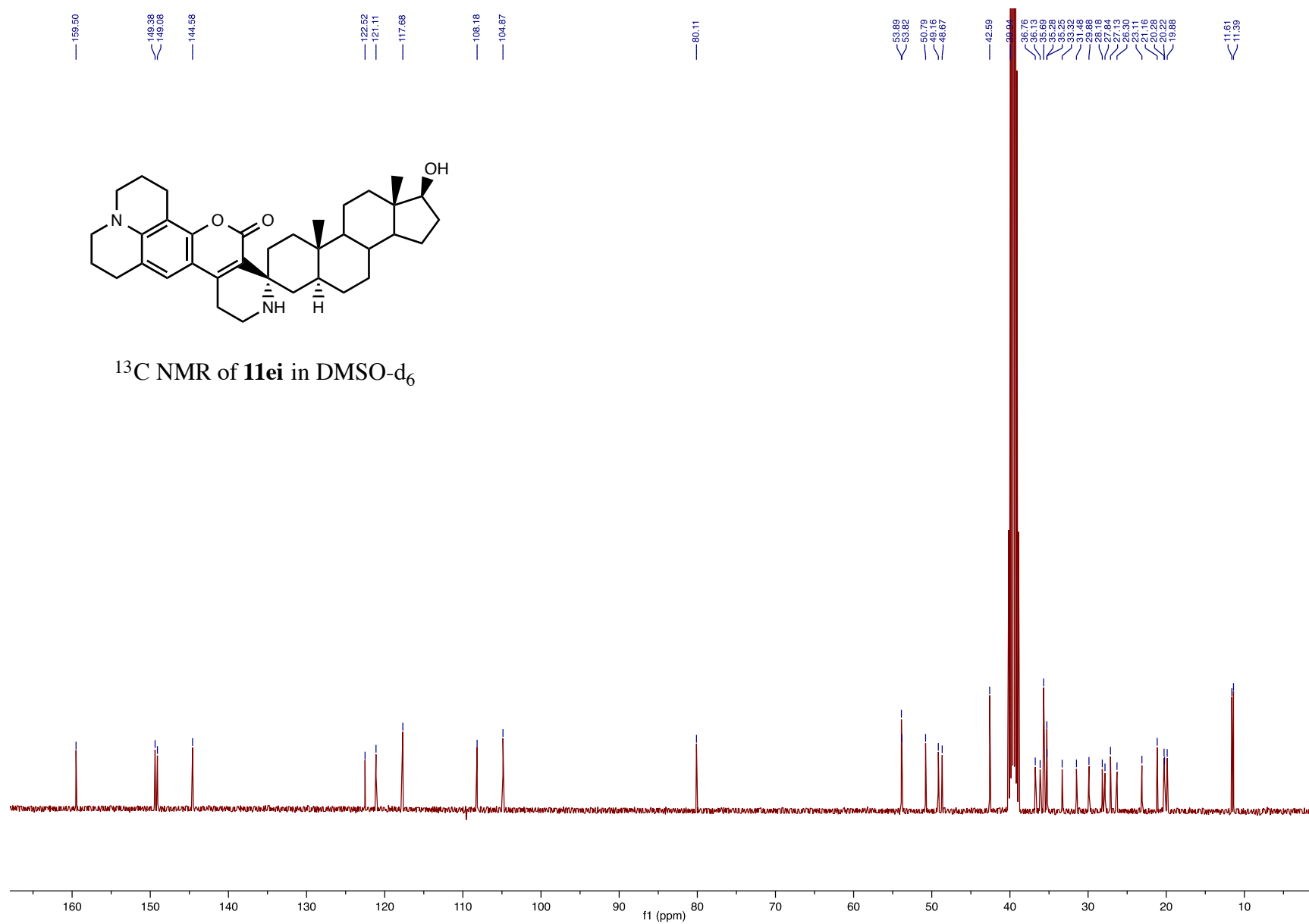


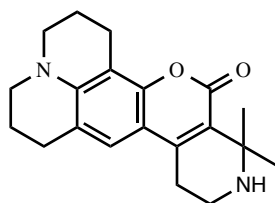
^1H NMR of **11ei** in DMSO-d_6



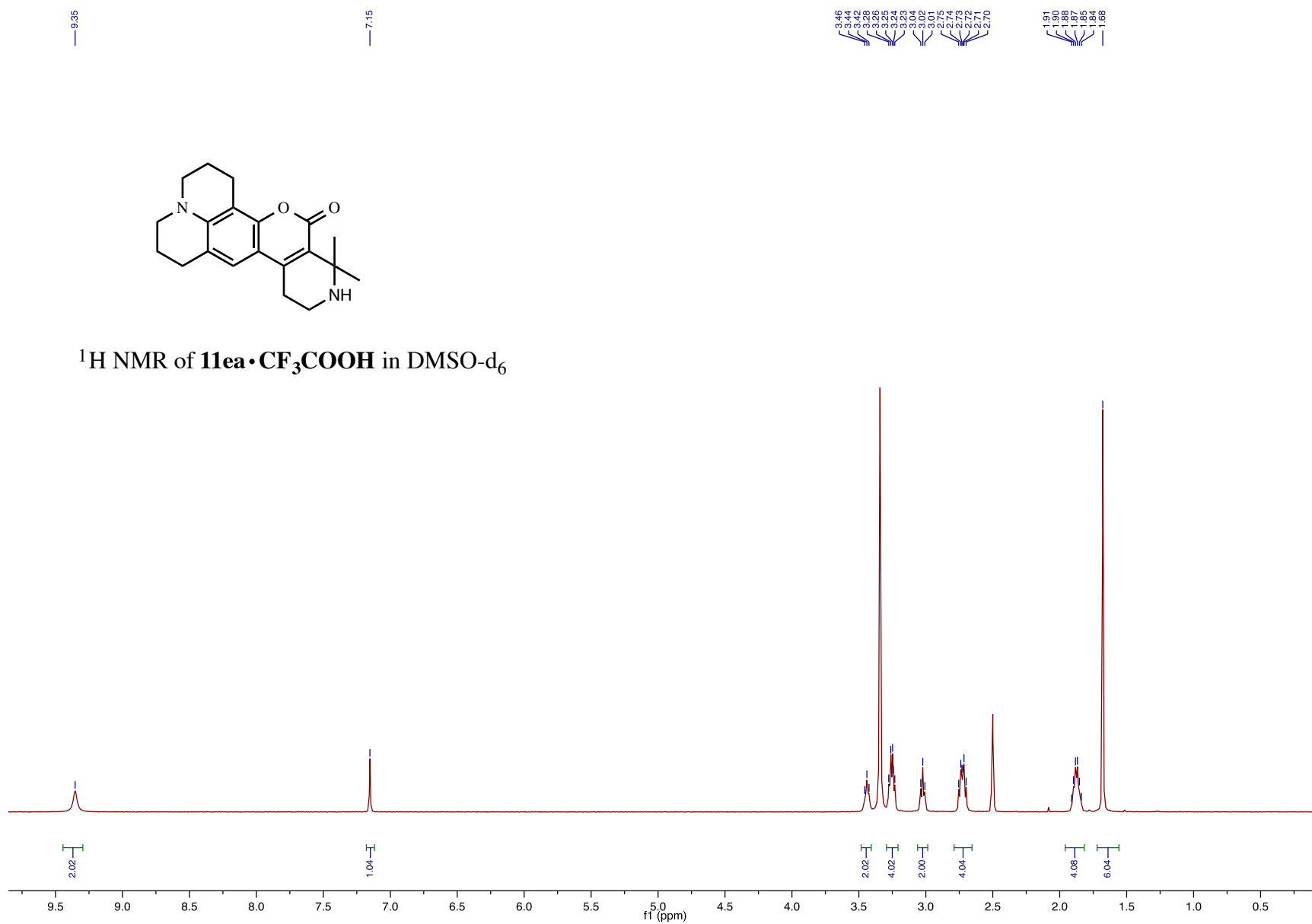


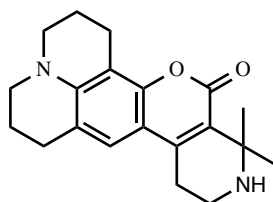
^{13}C NMR of **11ei** in DMSO-d_6



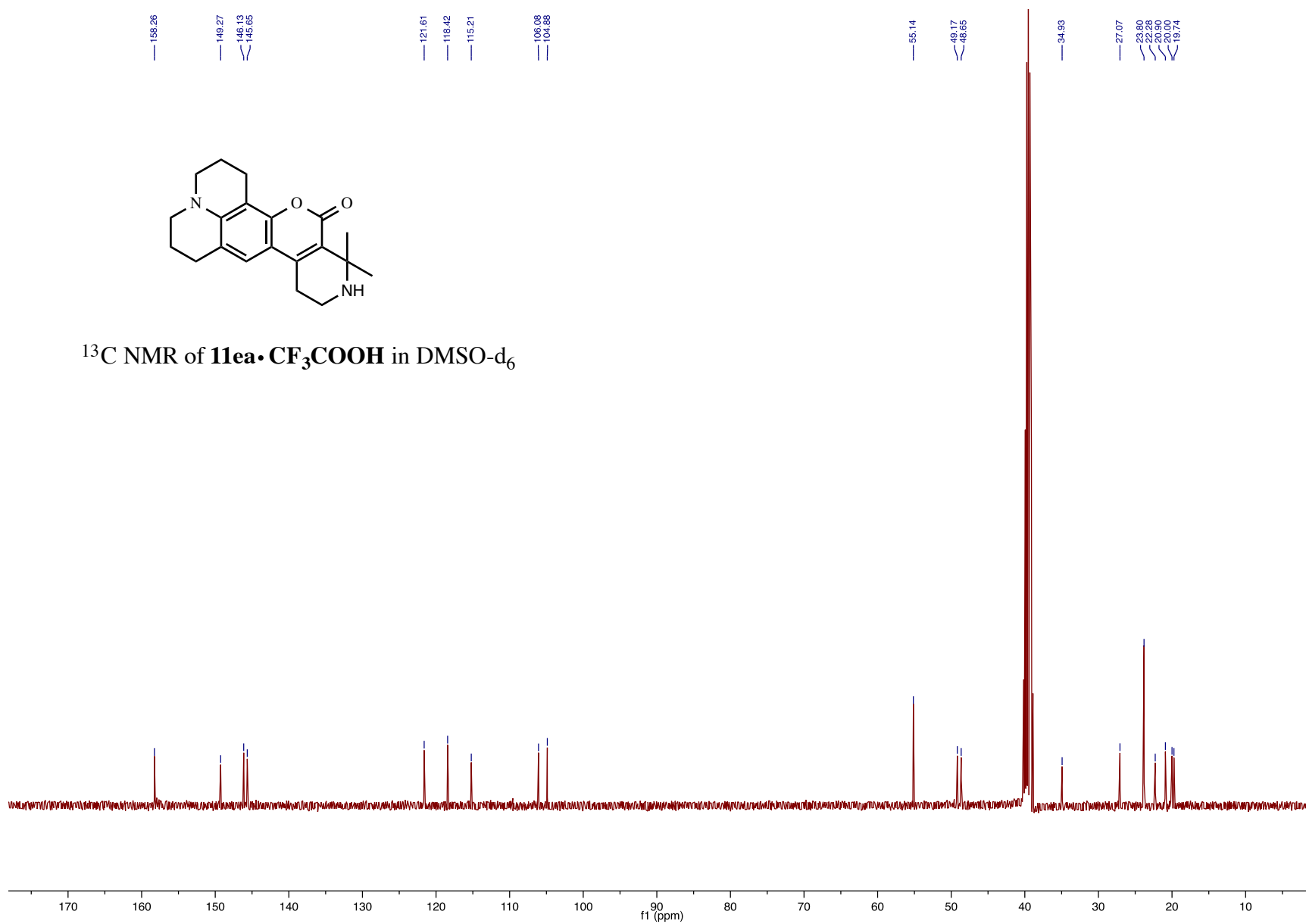


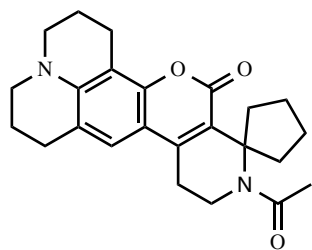
^1H NMR of **11ea**• CF_3COOH in DMSO-d_6



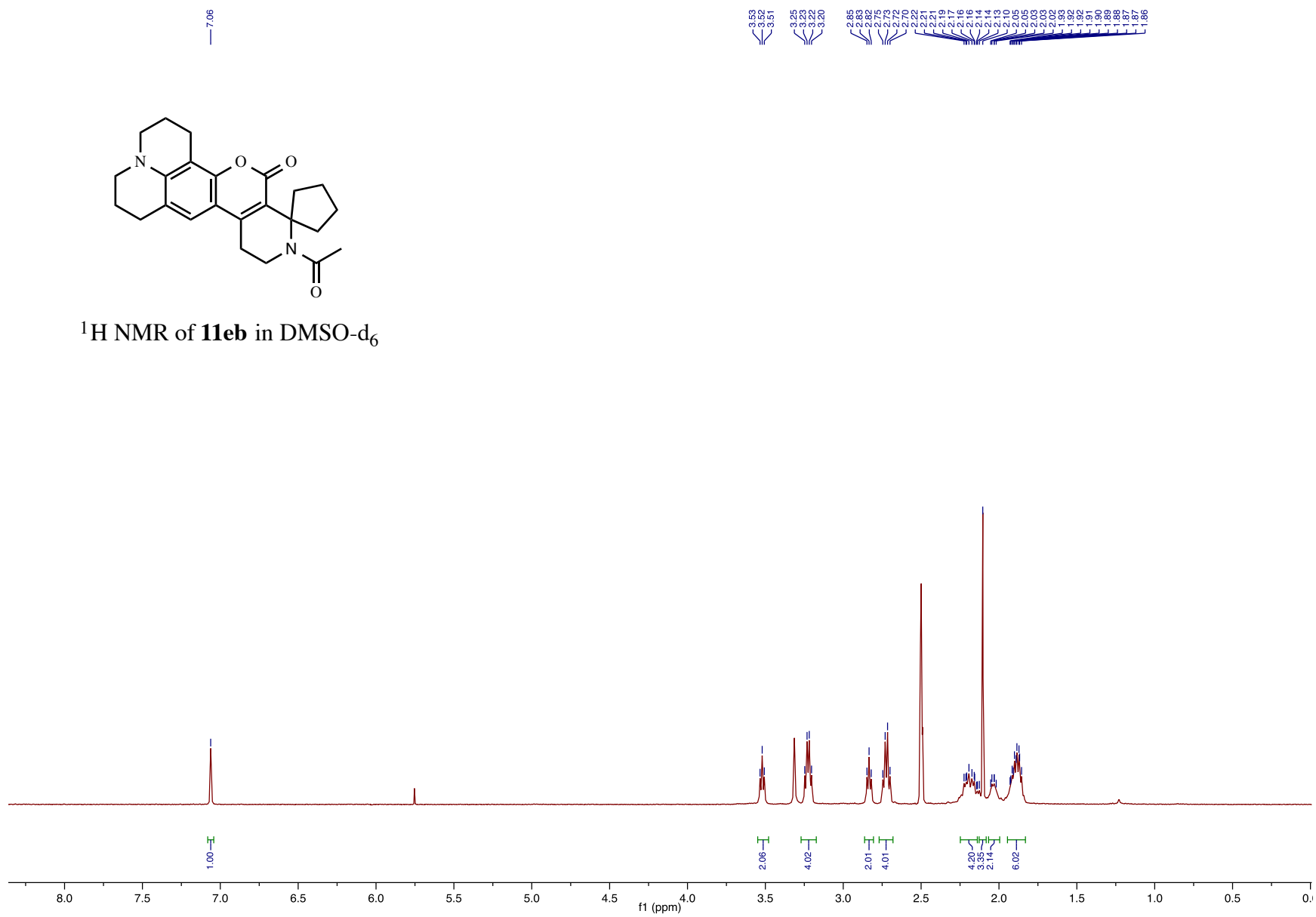


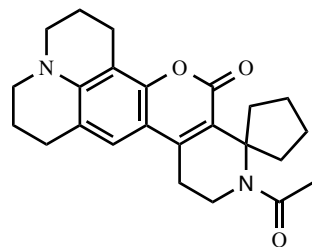
^{13}C NMR of **11ea**• CF_3COOH in DMSO-d_6



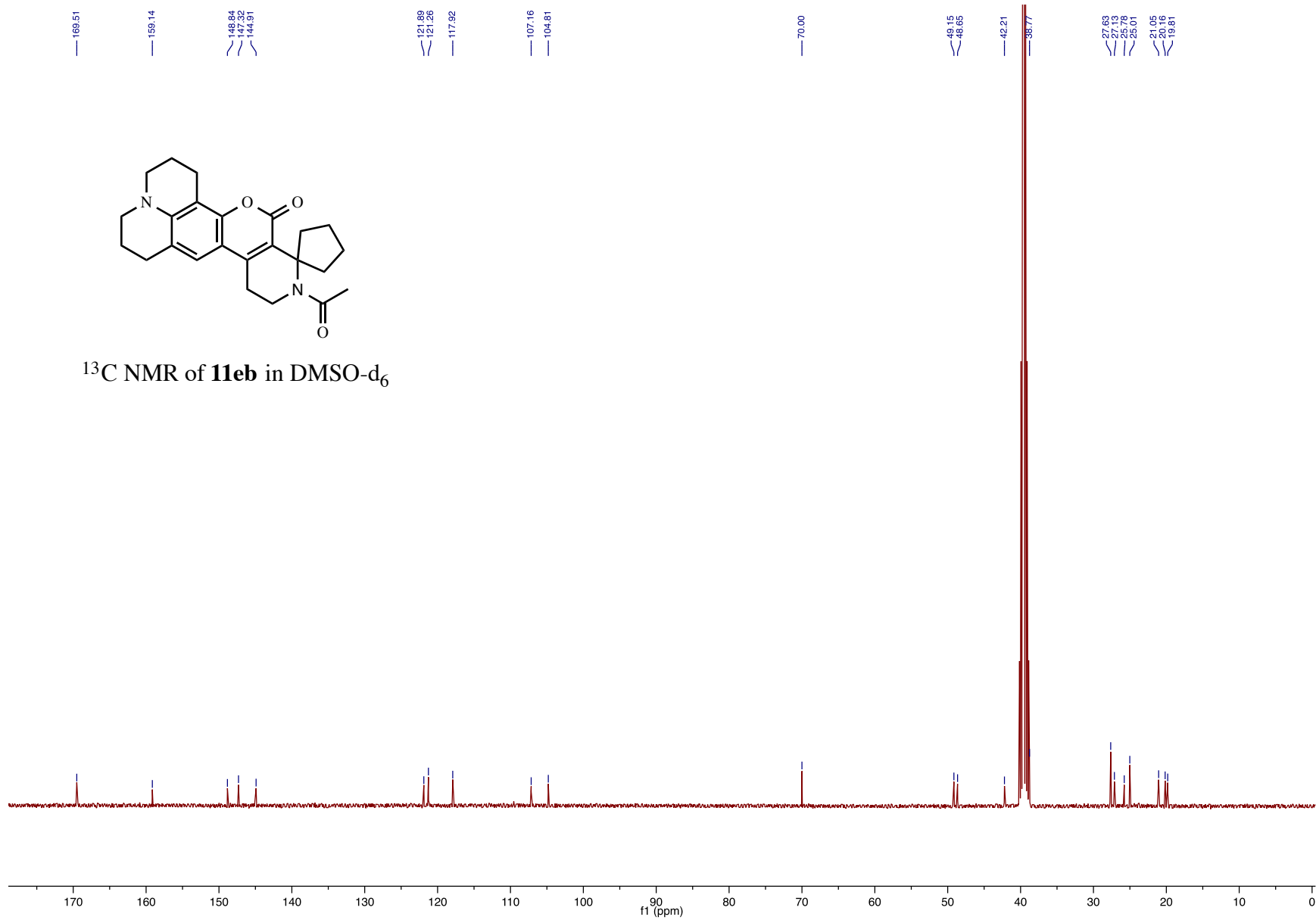


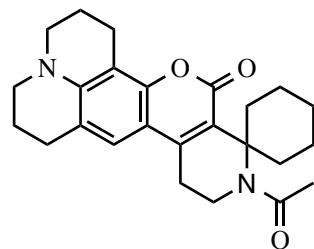
^1H NMR of **11eb** in DMSO-d_6



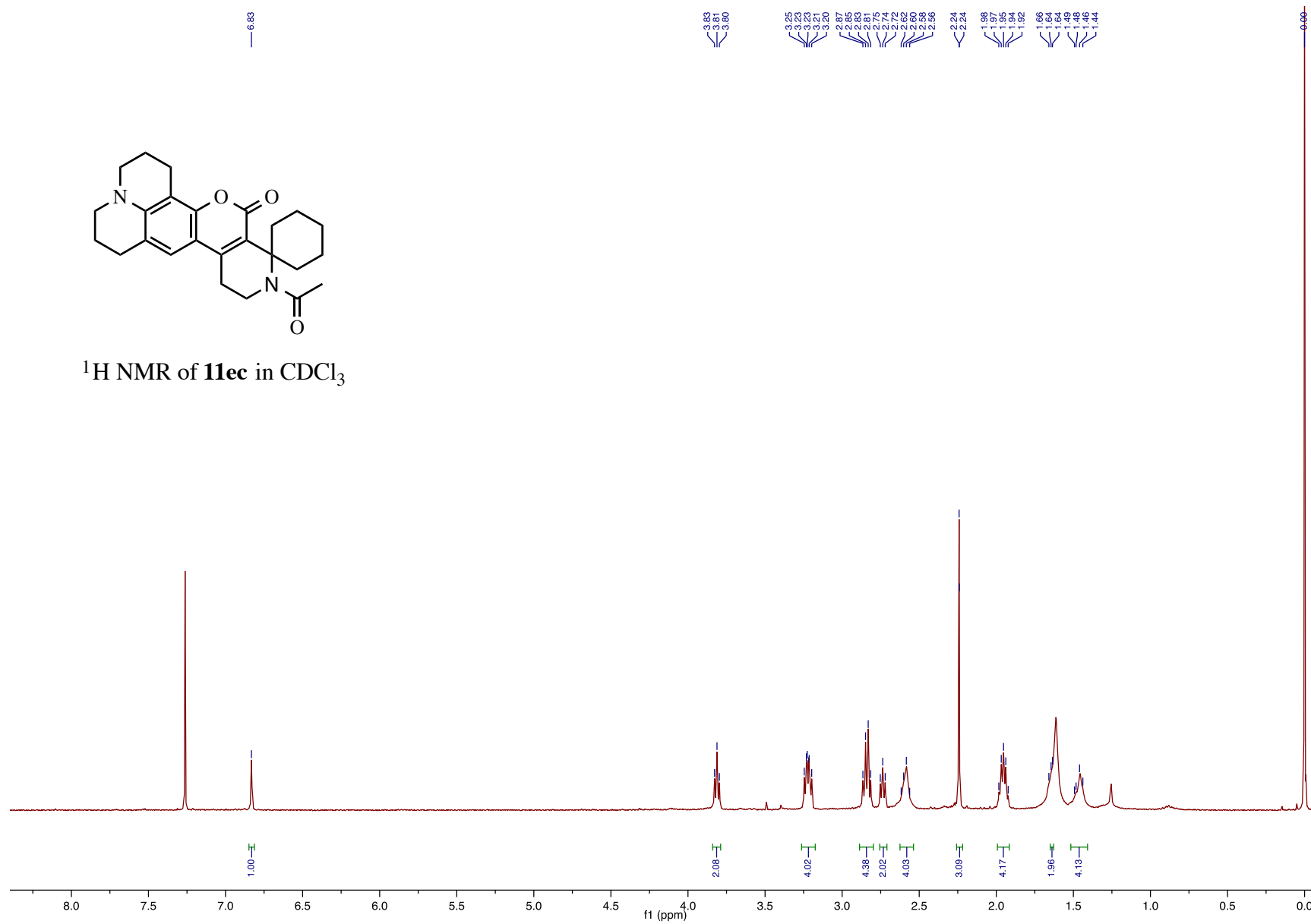


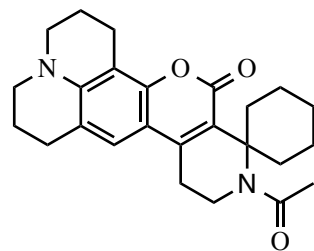
^{13}C NMR of **11eb** in DMSO-d_6



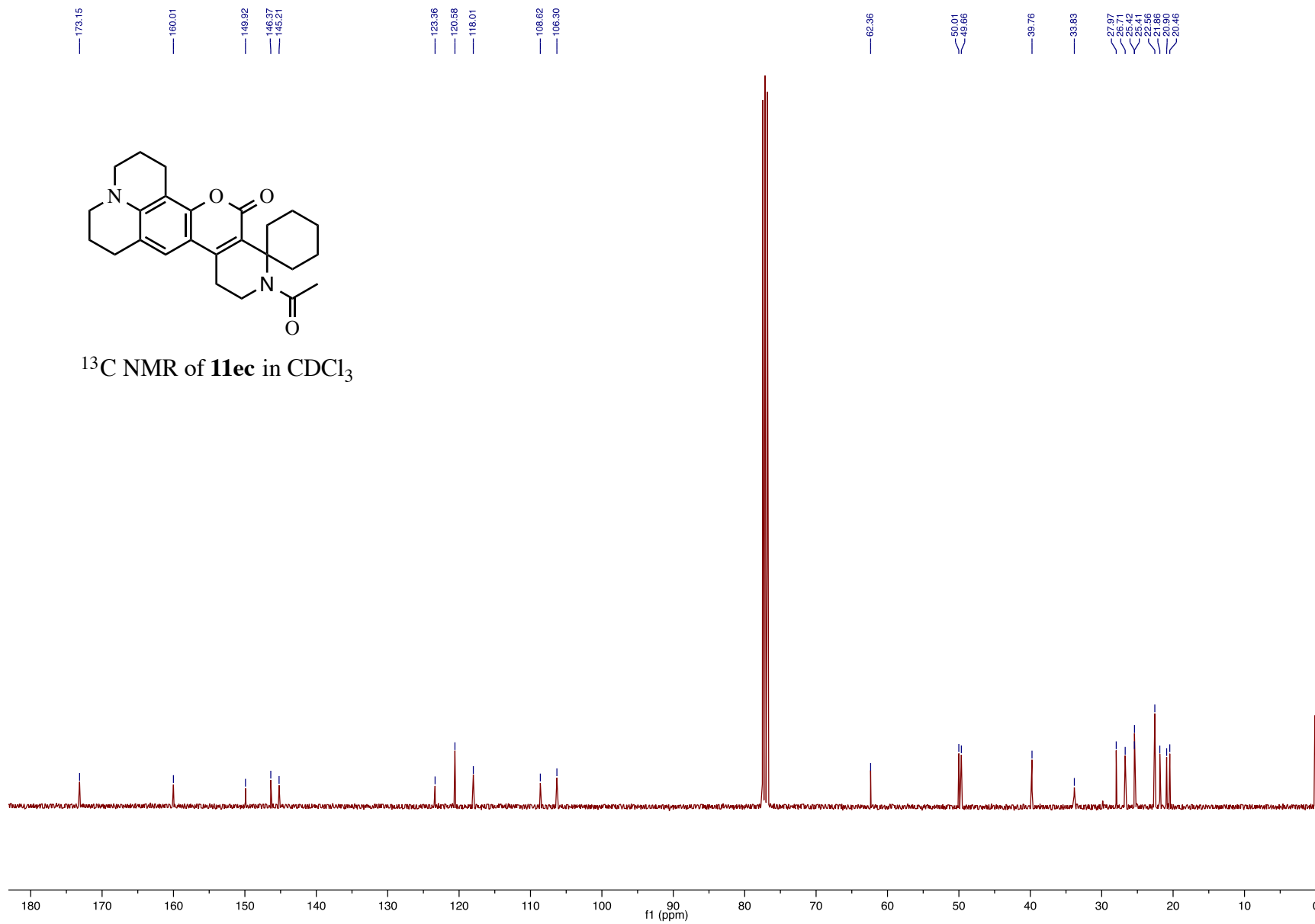


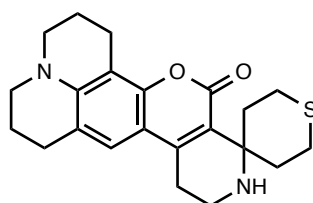
^1H NMR of **11ec** in CDCl_3



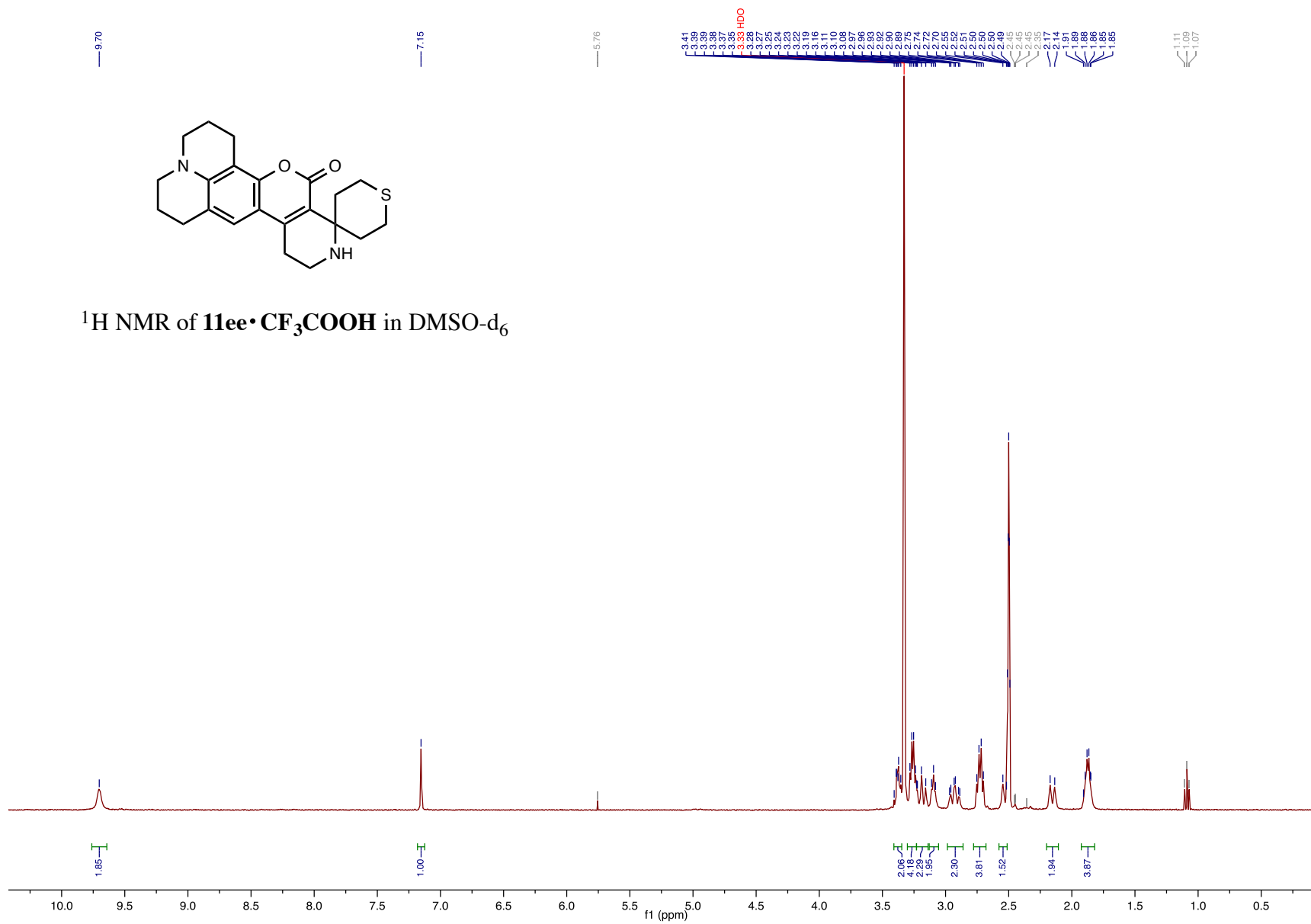


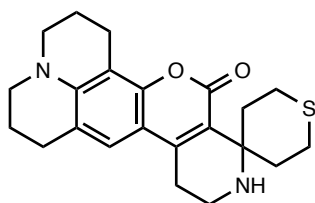
^{13}C NMR of **11ec** in CDCl_3



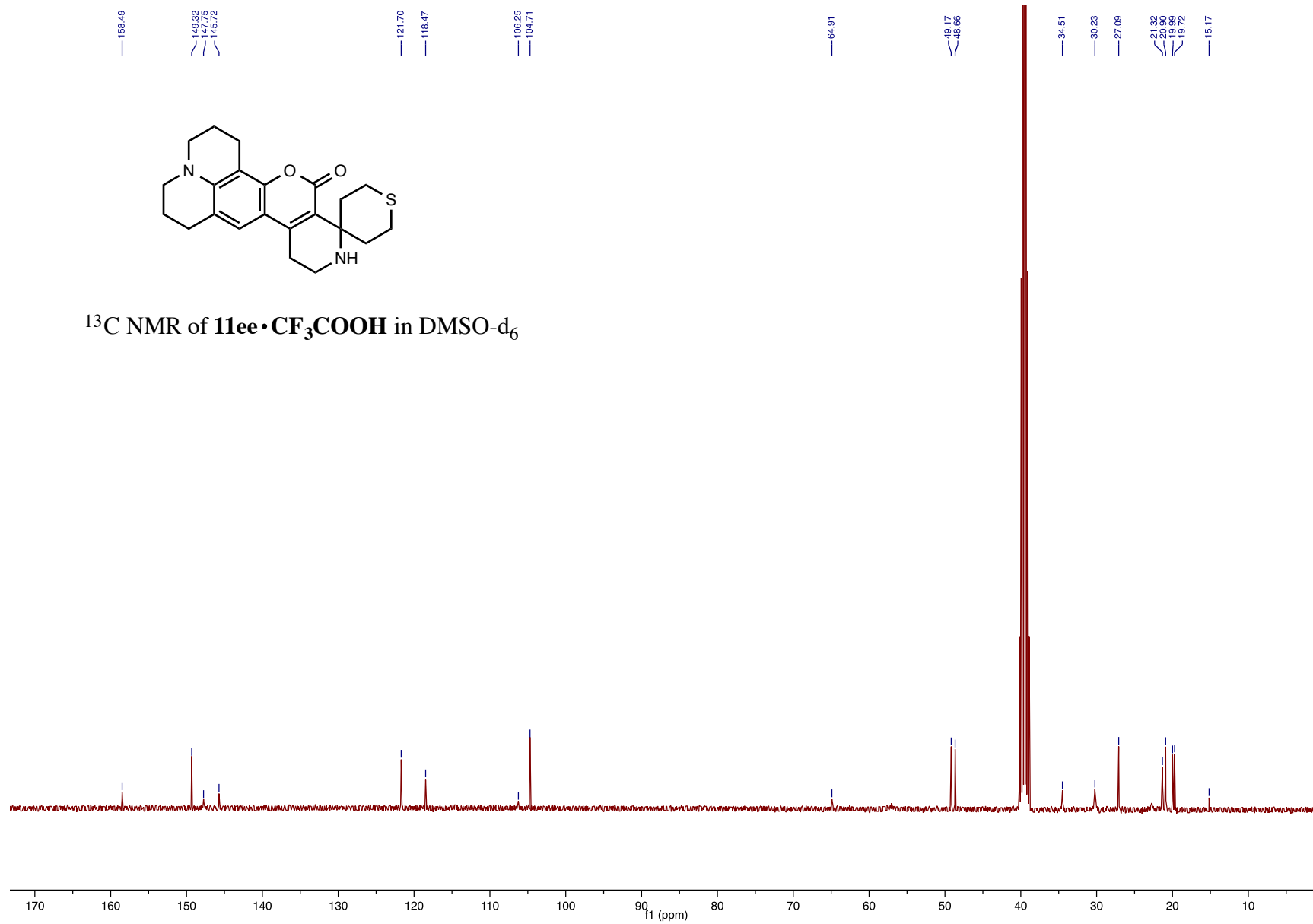


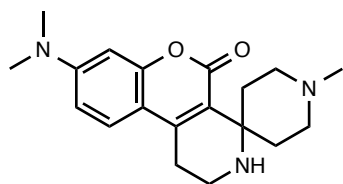
^1H NMR of **11ee**•**CF₃COOH** in DMSO- d_6



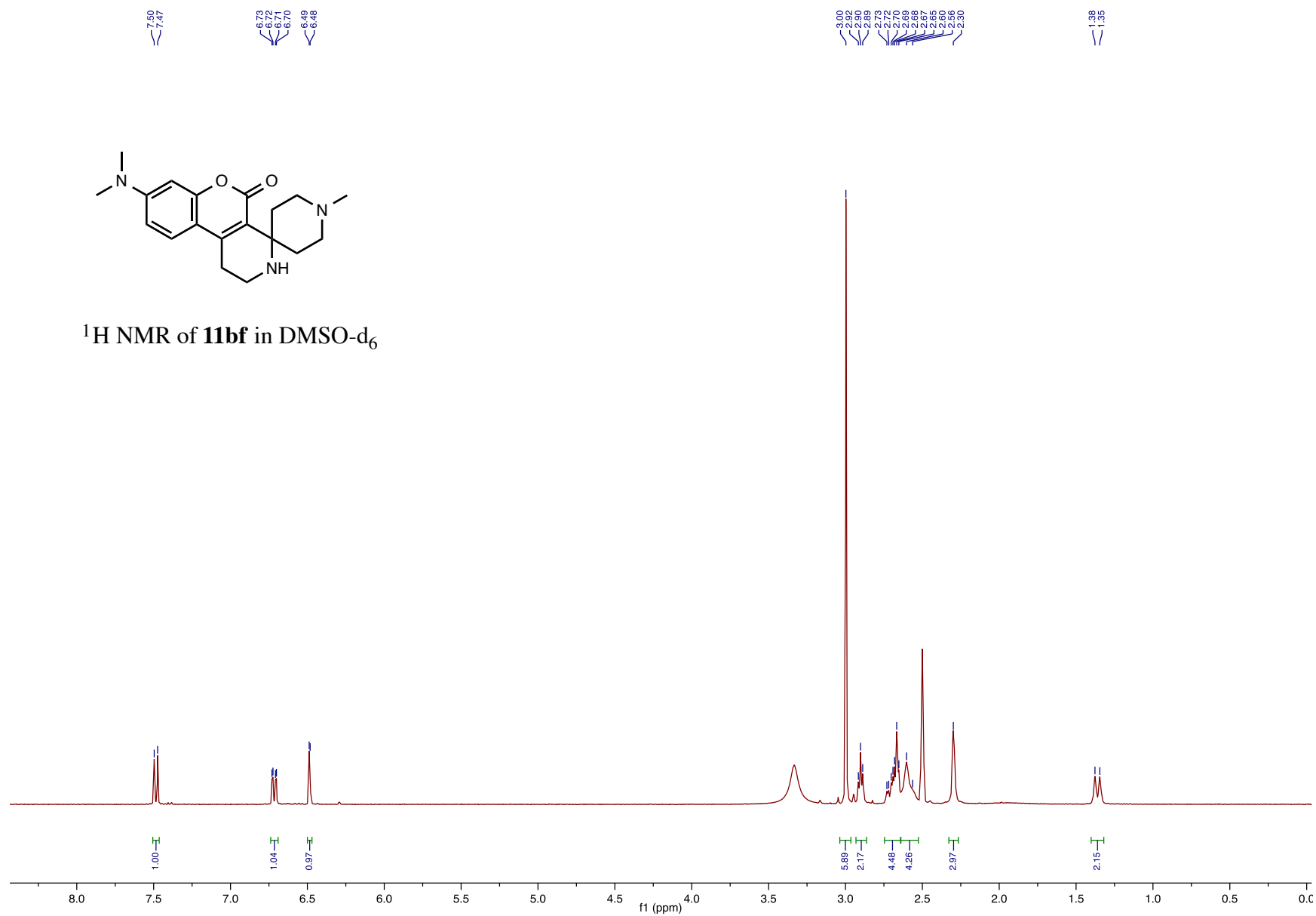


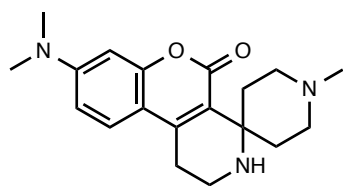
^{13}C NMR of **11ee**• CF_3COOH in DMSO-d_6



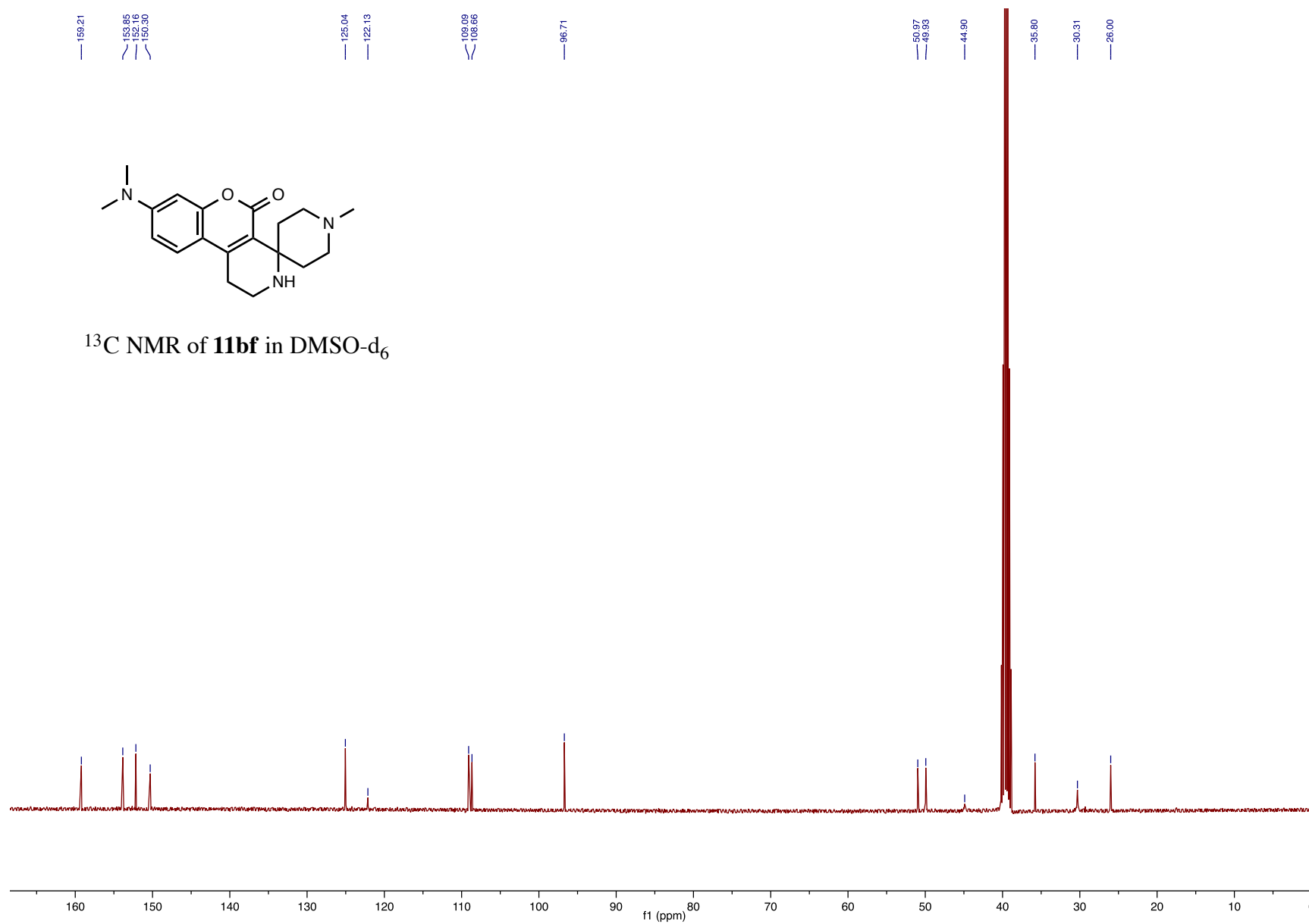


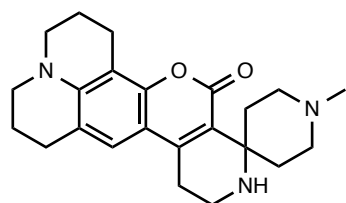
^1H NMR of **11bf** in DMSO- d_6



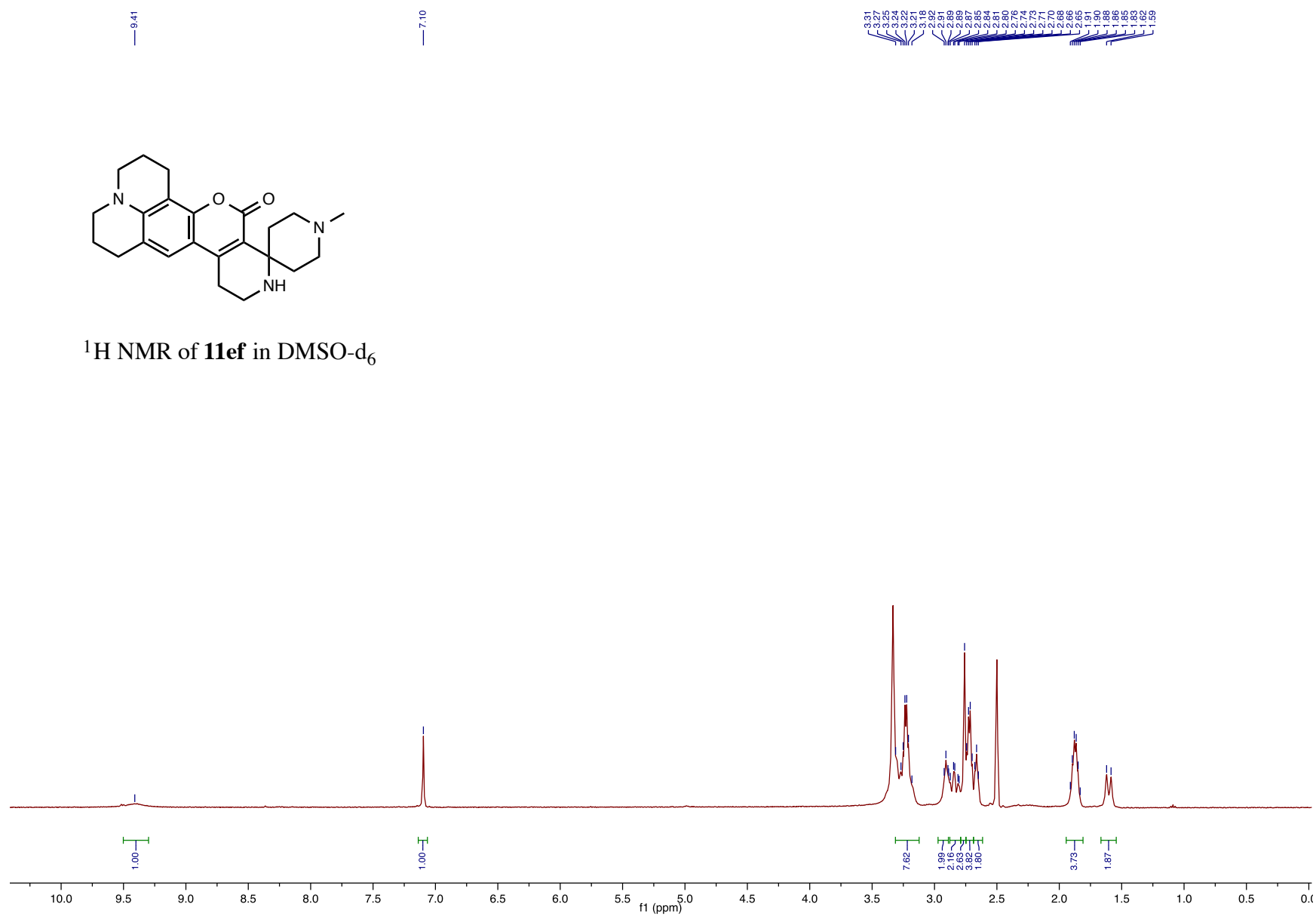


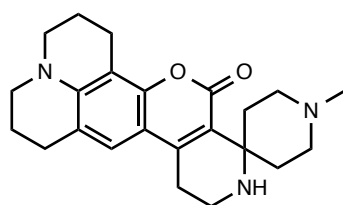
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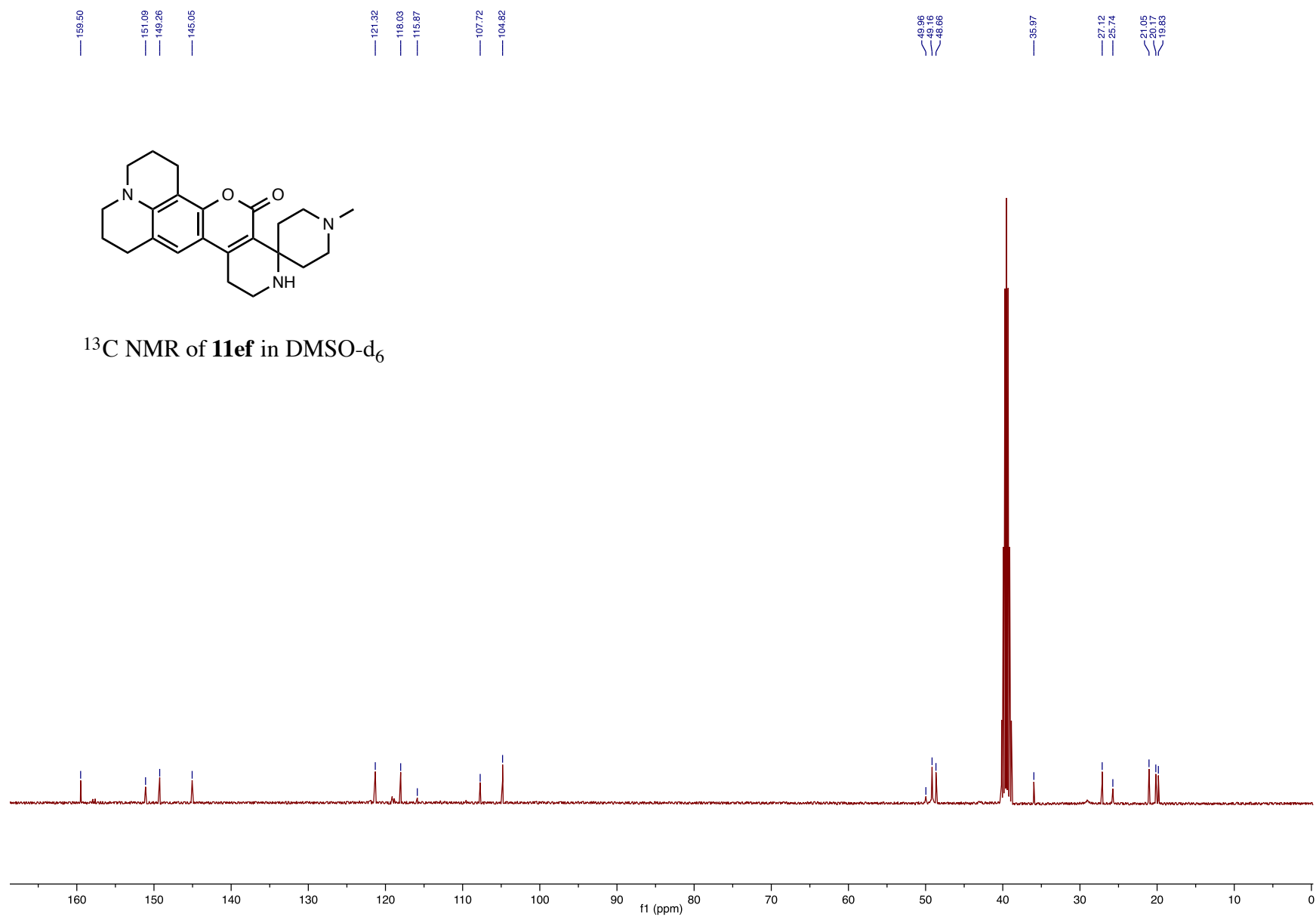


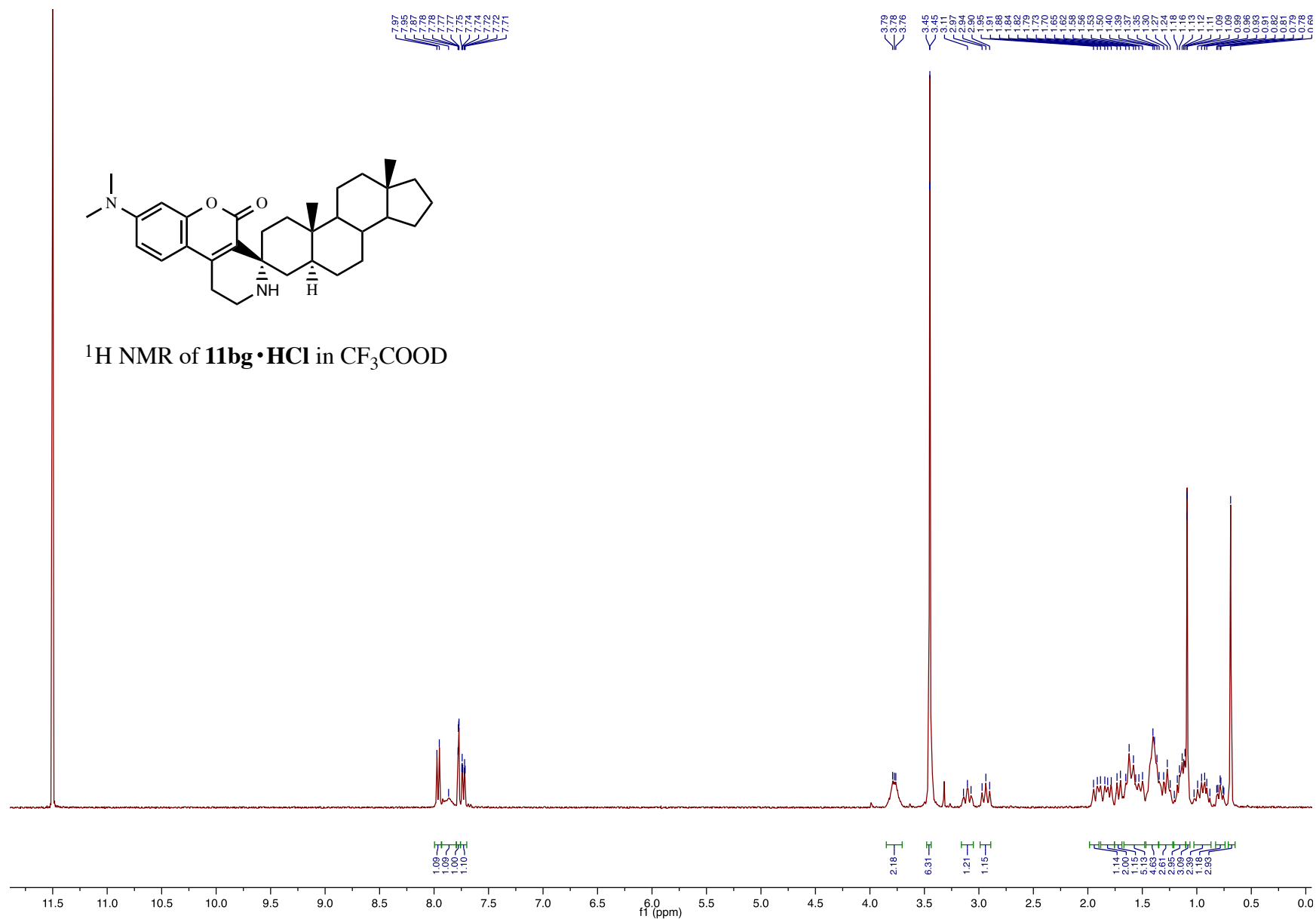
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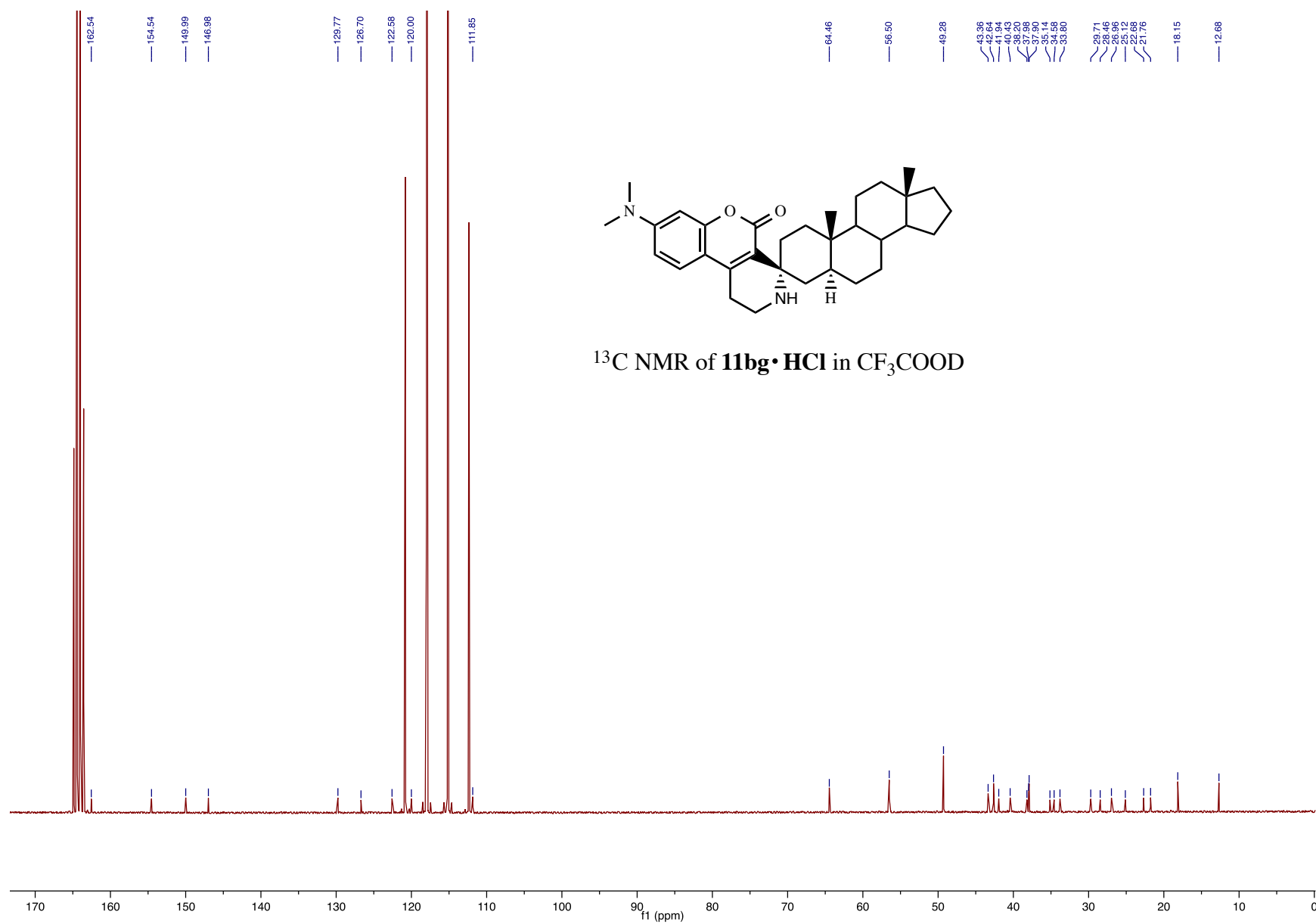


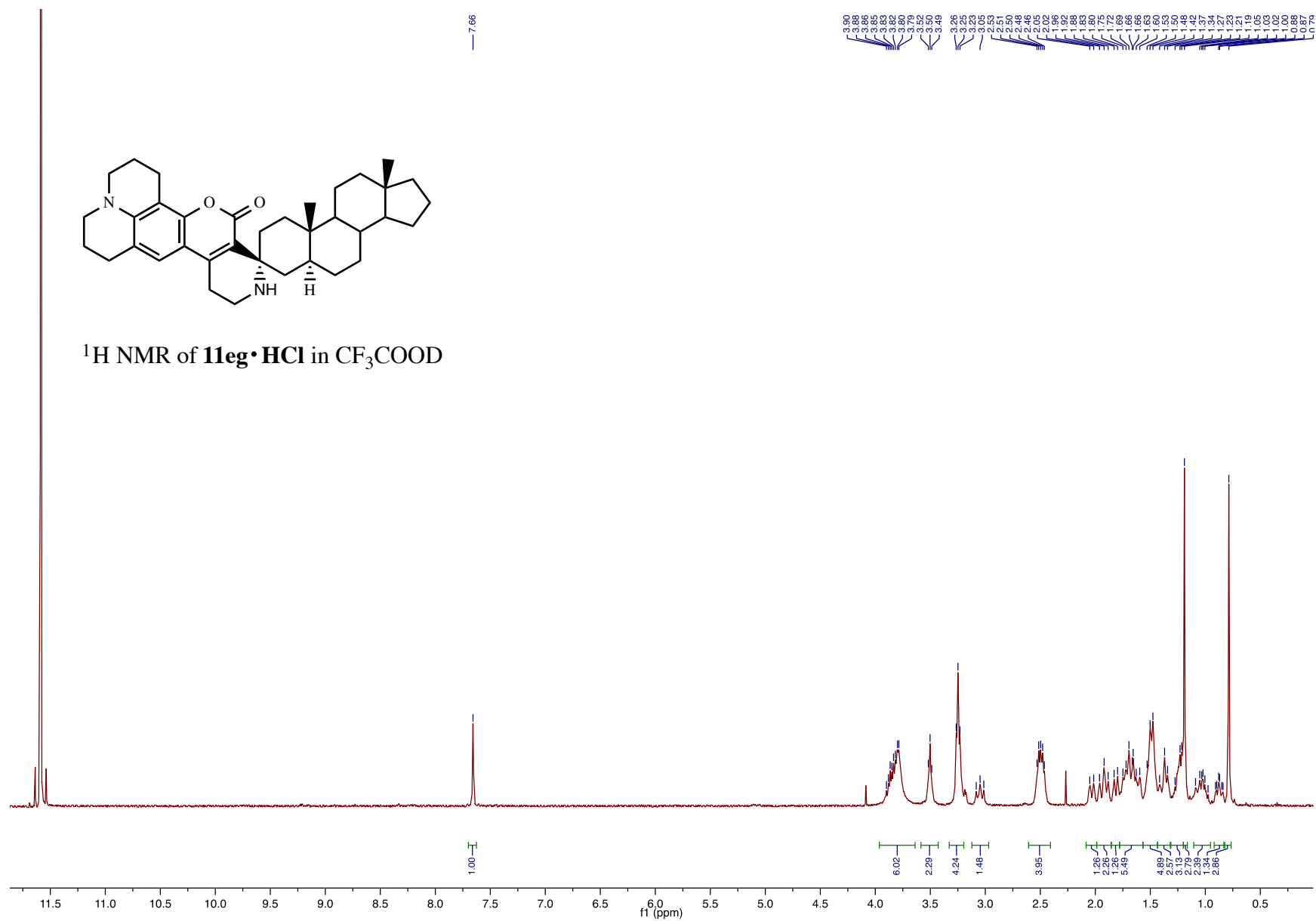


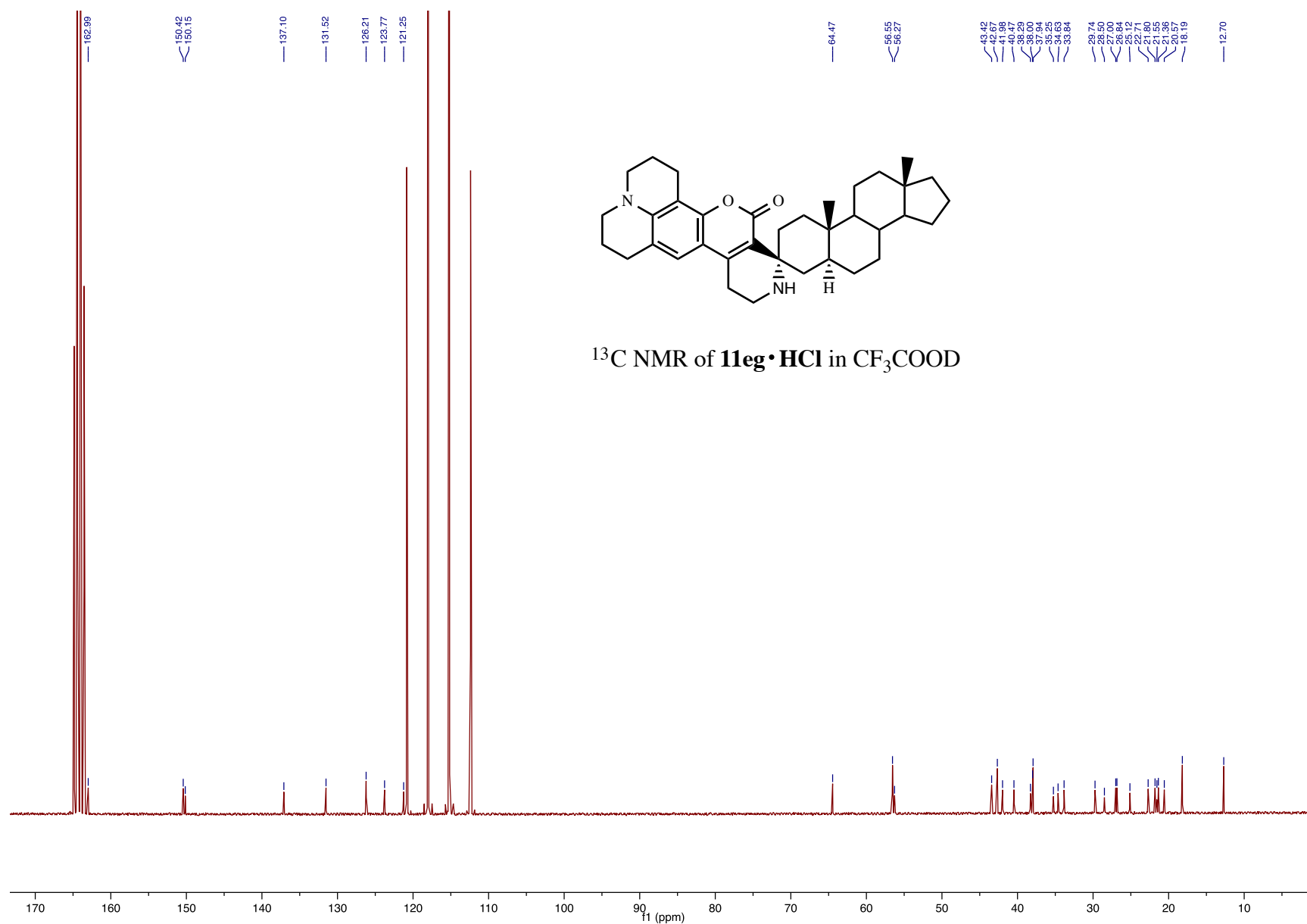
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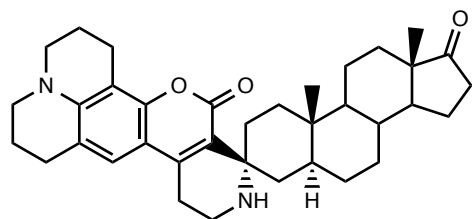




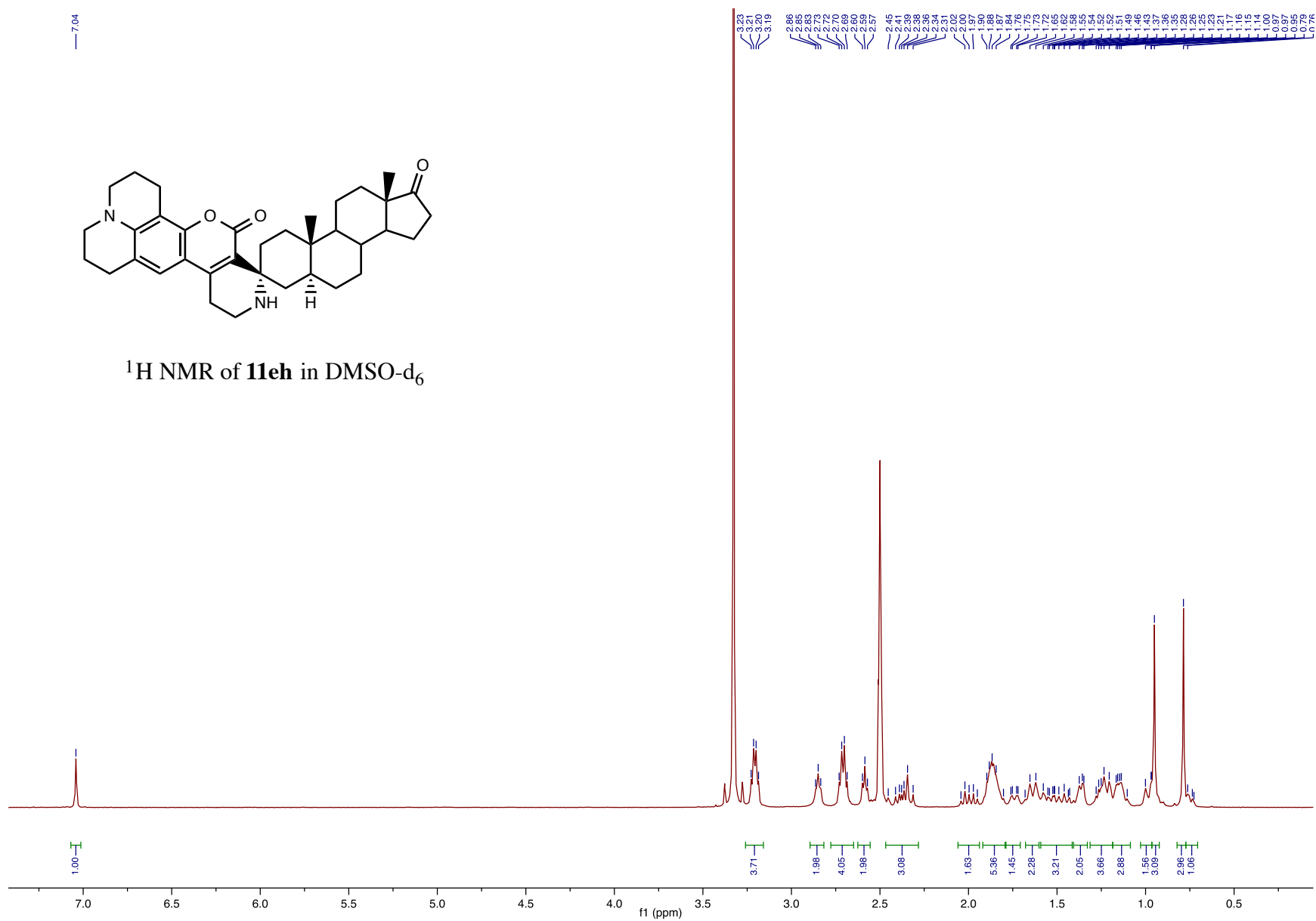


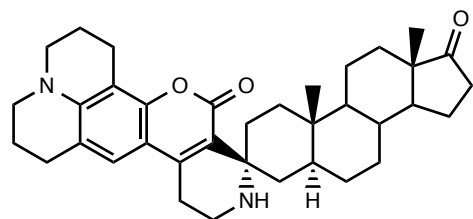




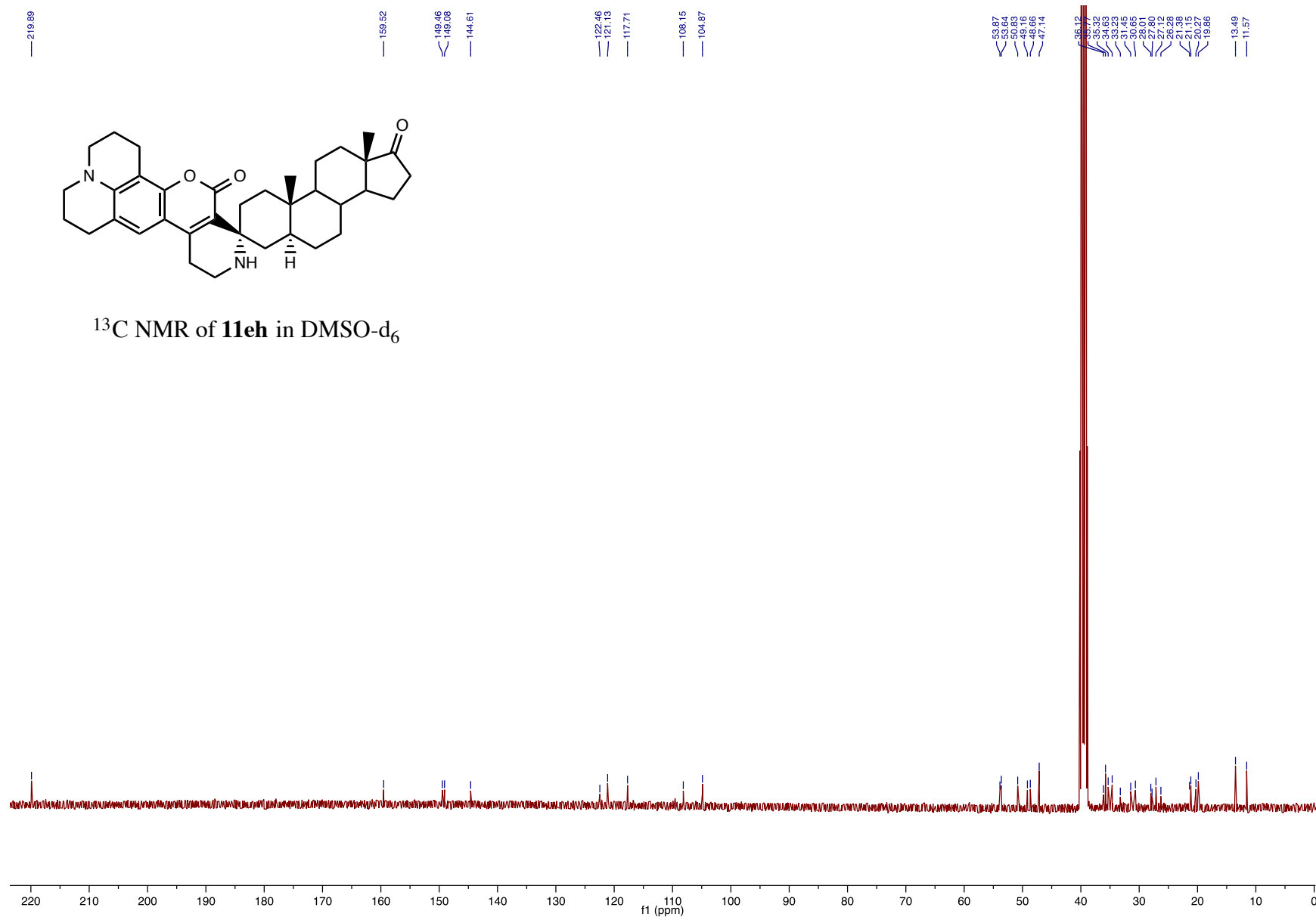


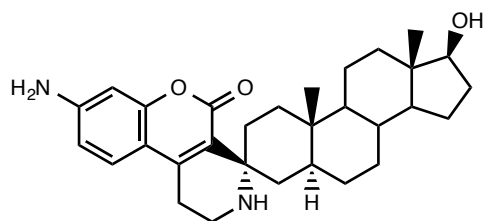
^1H NMR of **11eh** in DMSO-d_6



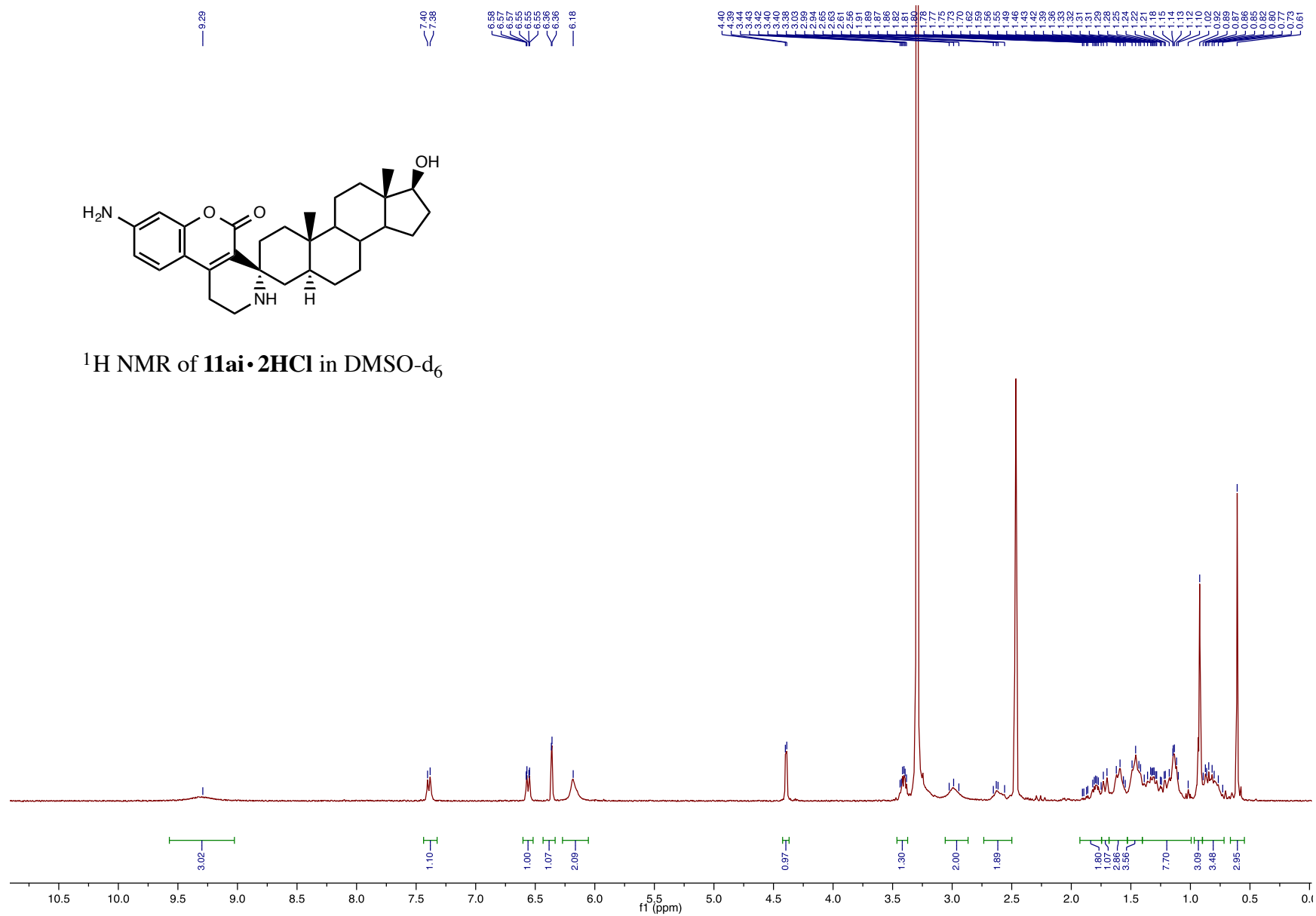


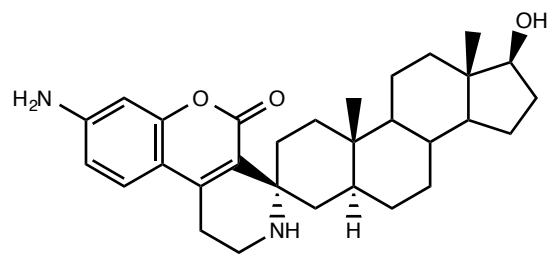
^{13}C NMR of **11eh** in DMSO- d_6



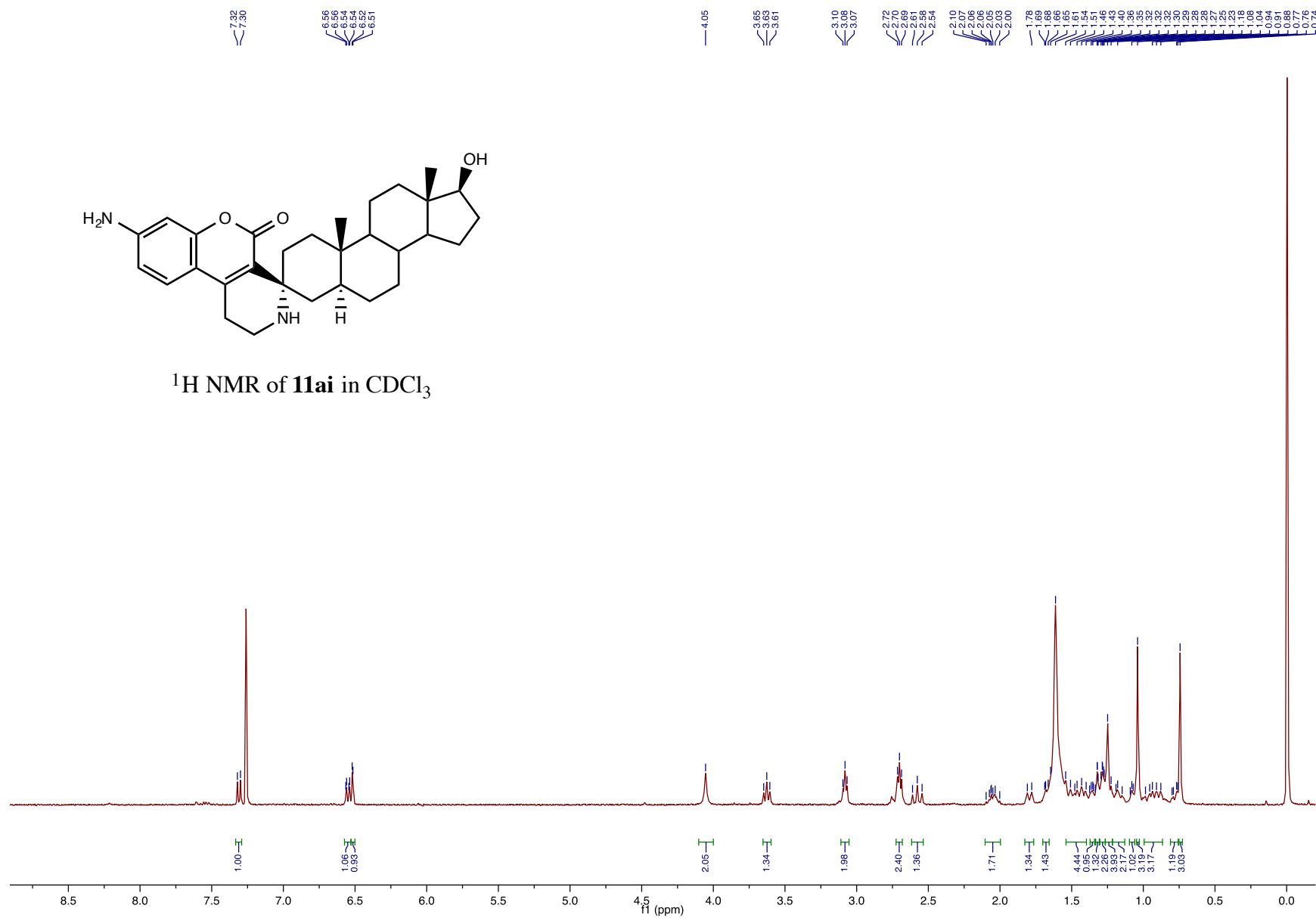


^1H NMR of **11ai**•**2HCl** in DMSO-d_6

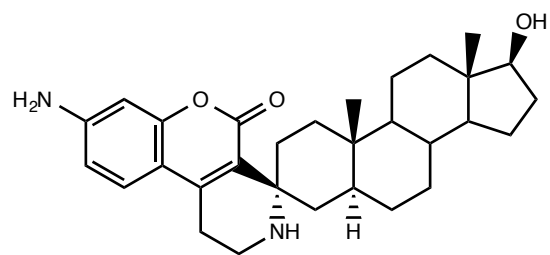




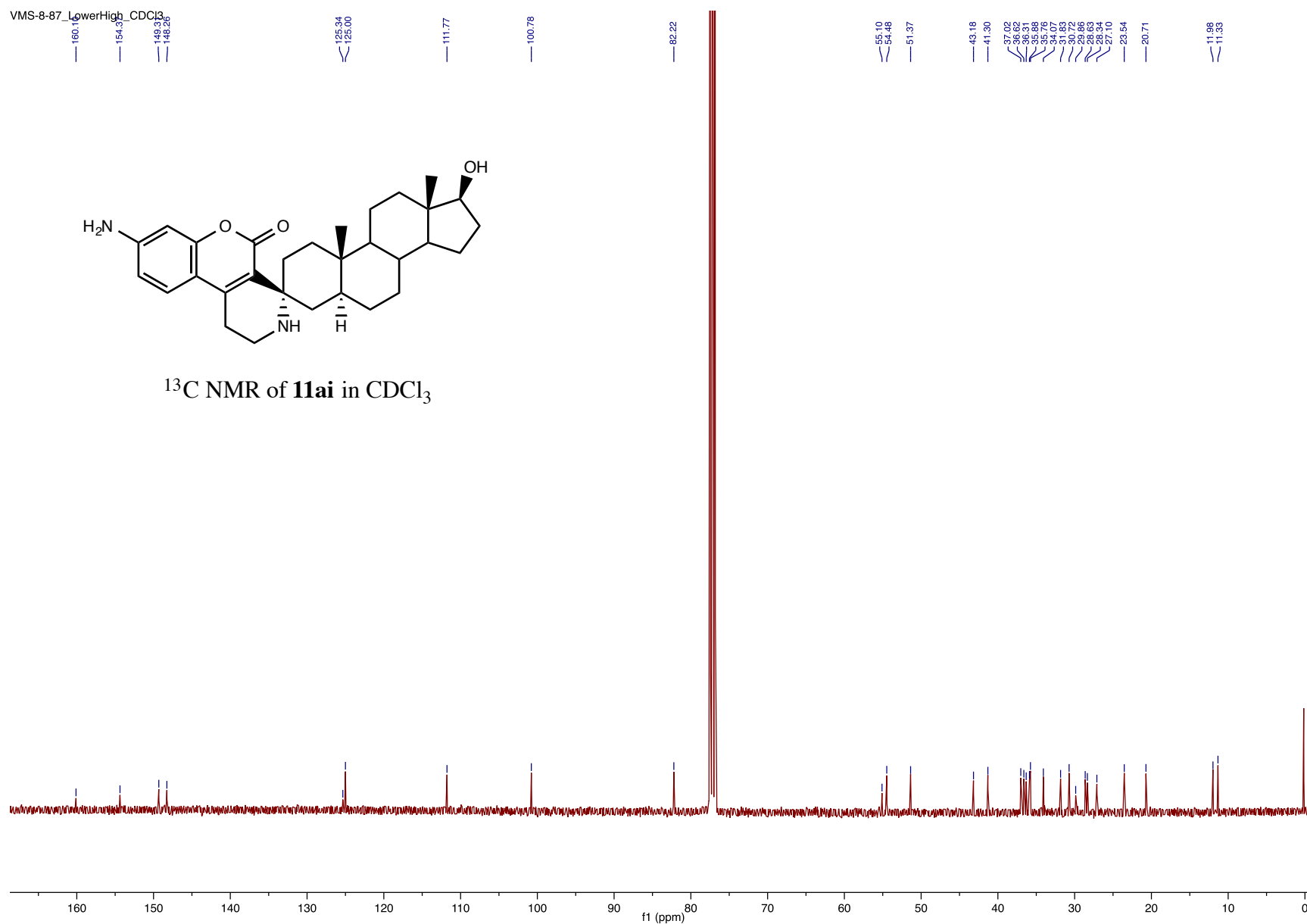
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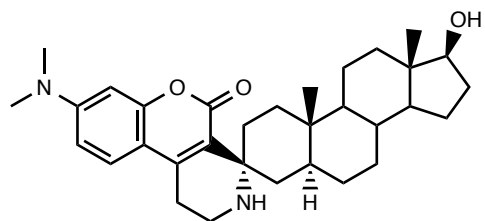


VMS-8-87_LowerHigh_CDCl3

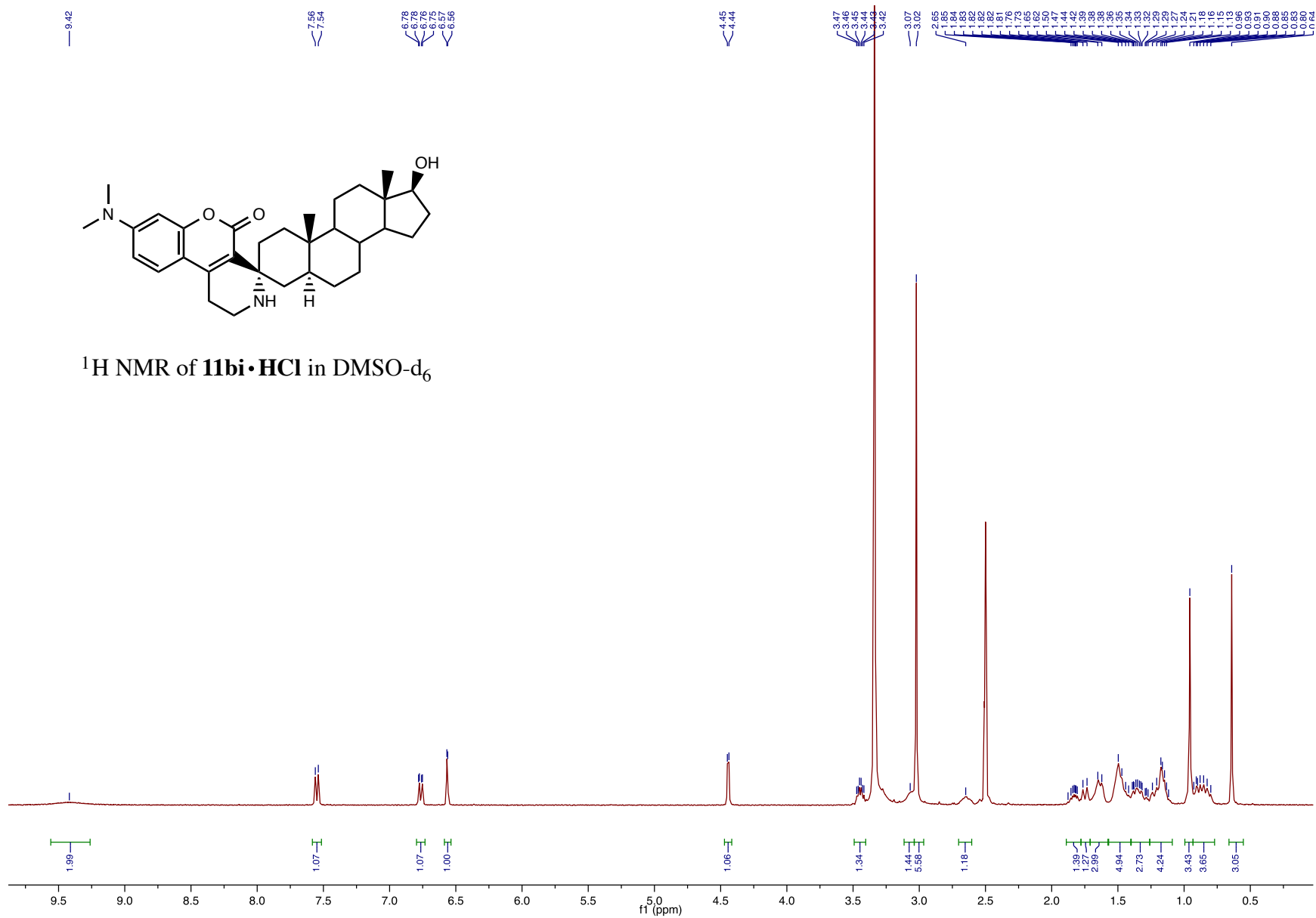


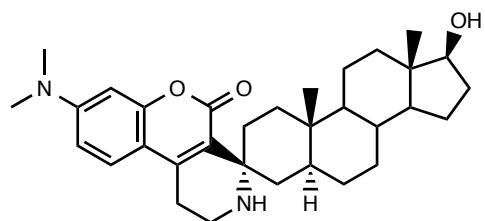
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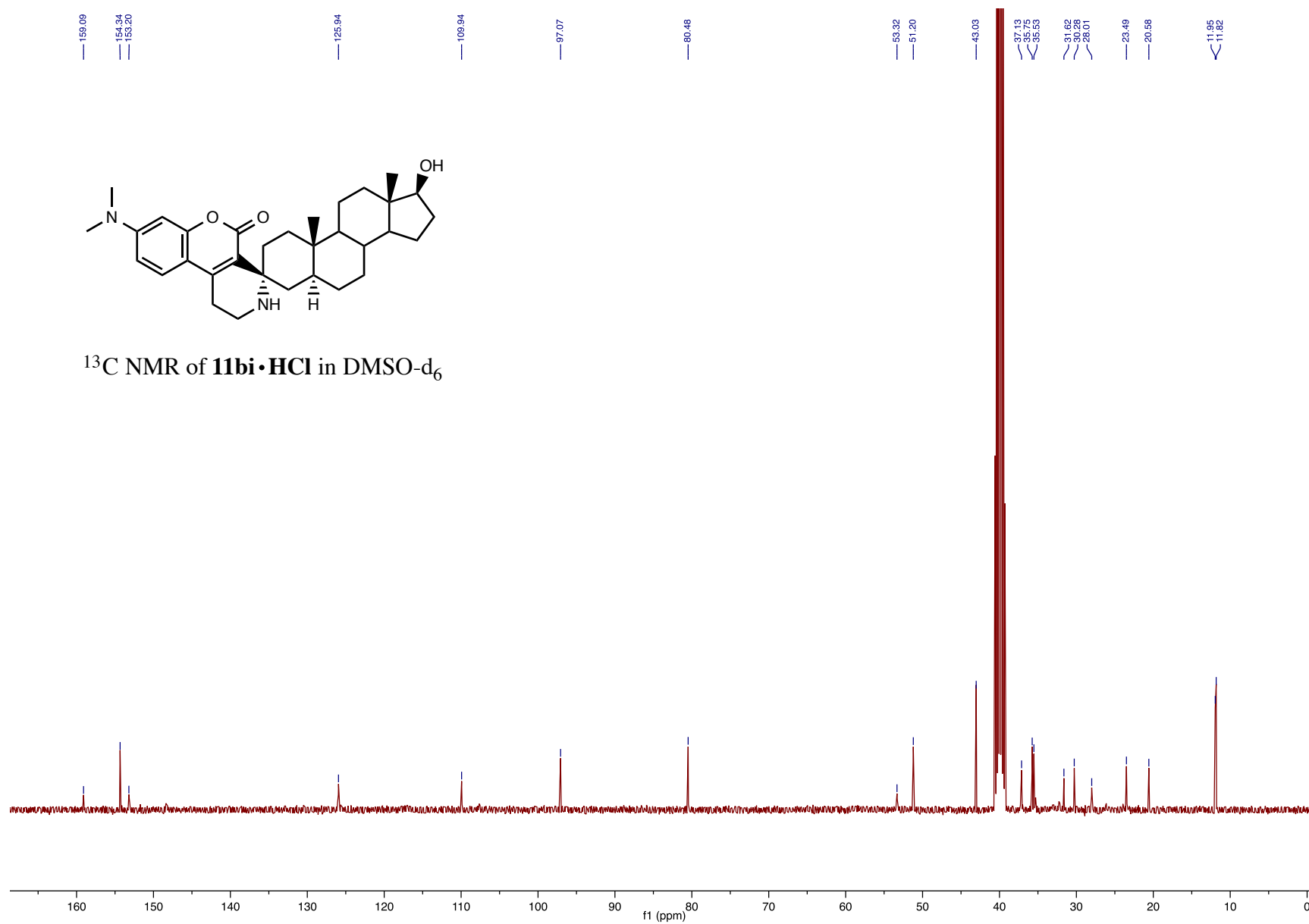


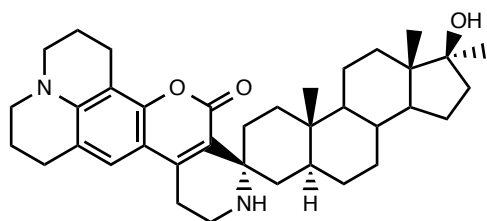
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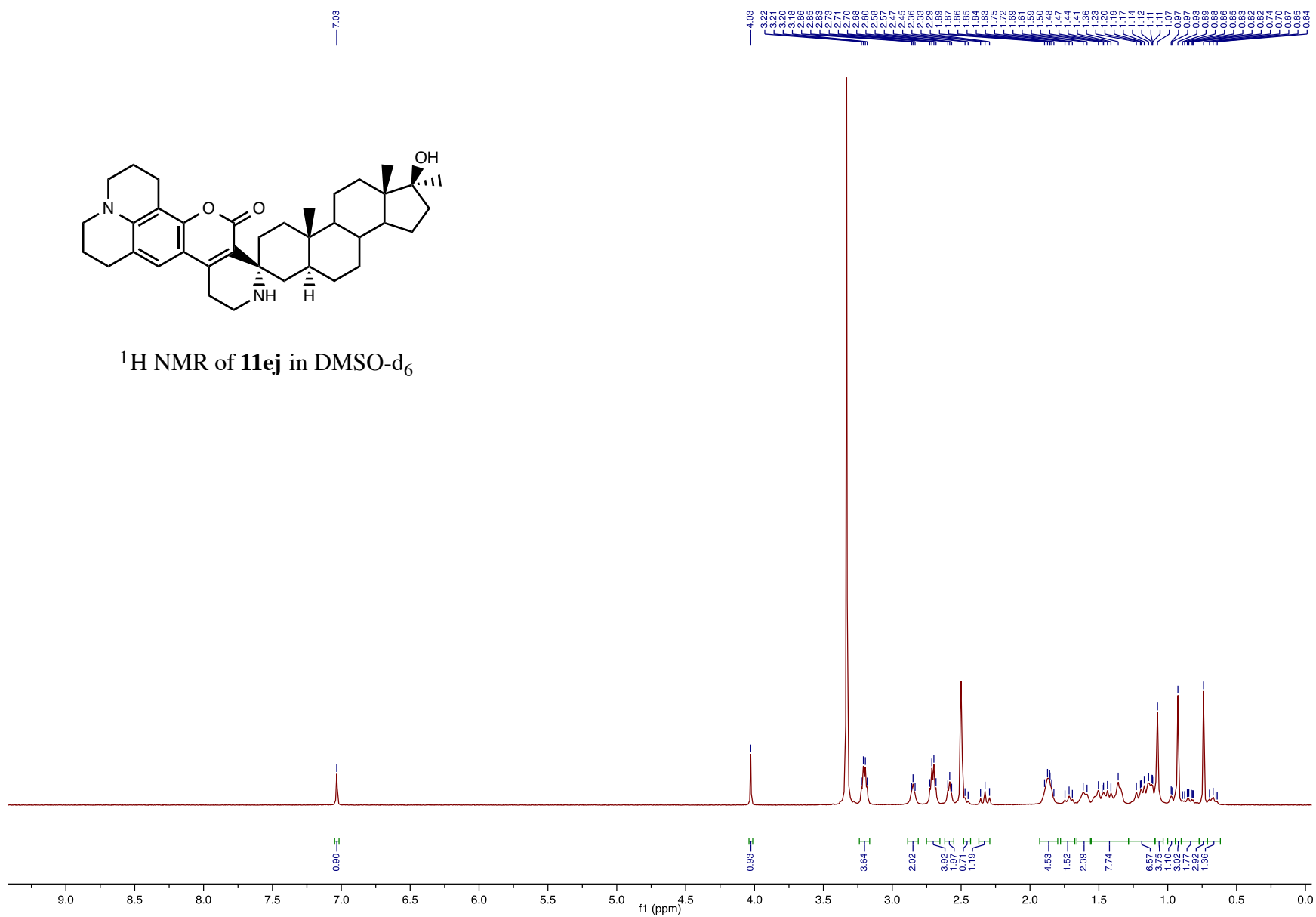


^{13}C NMR of **11bi**•HCl in DMSO- d_6

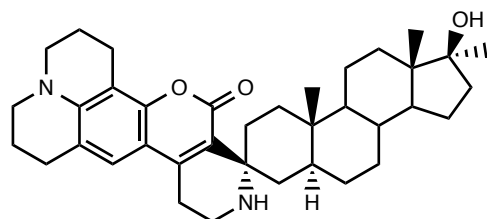




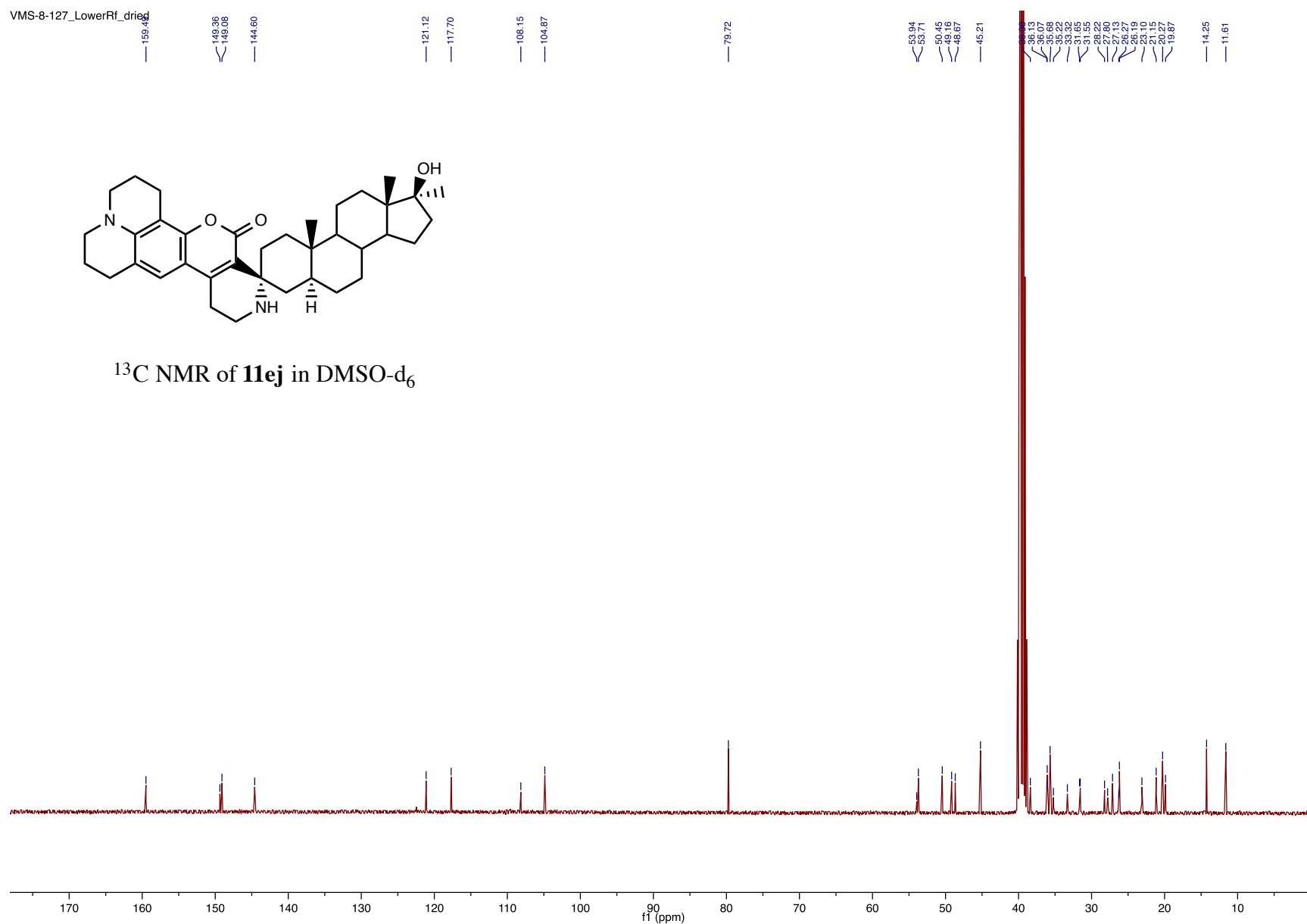
^1H NMR of **11ej** in DMSO-d_6

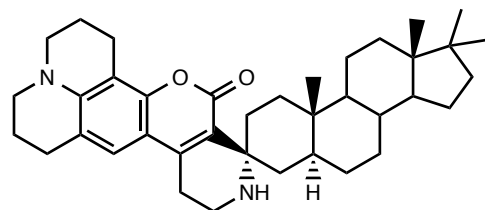


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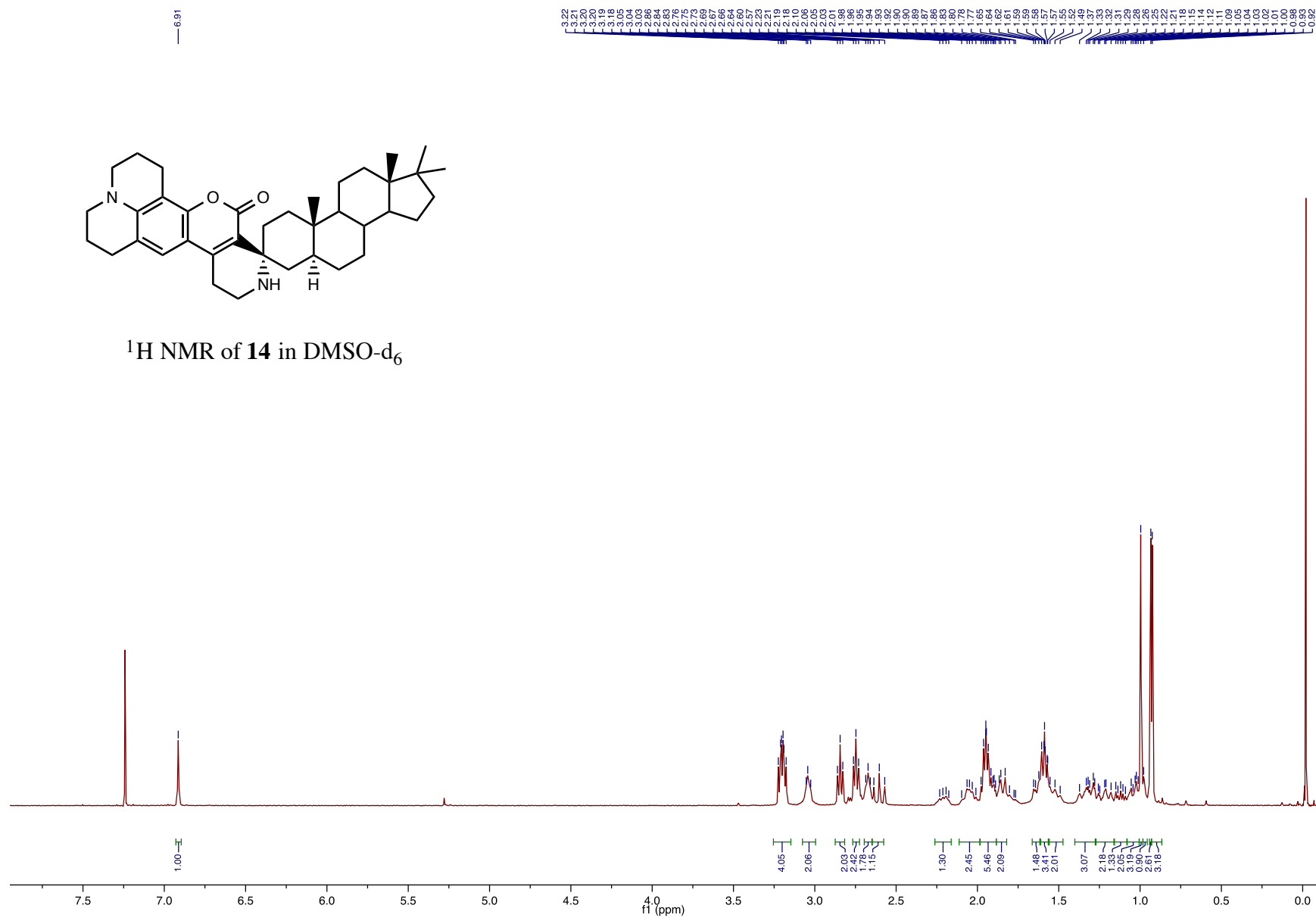


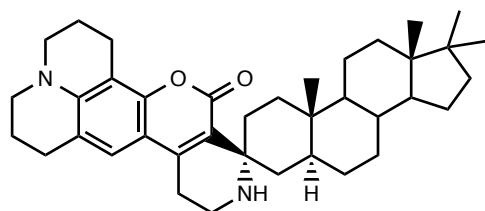
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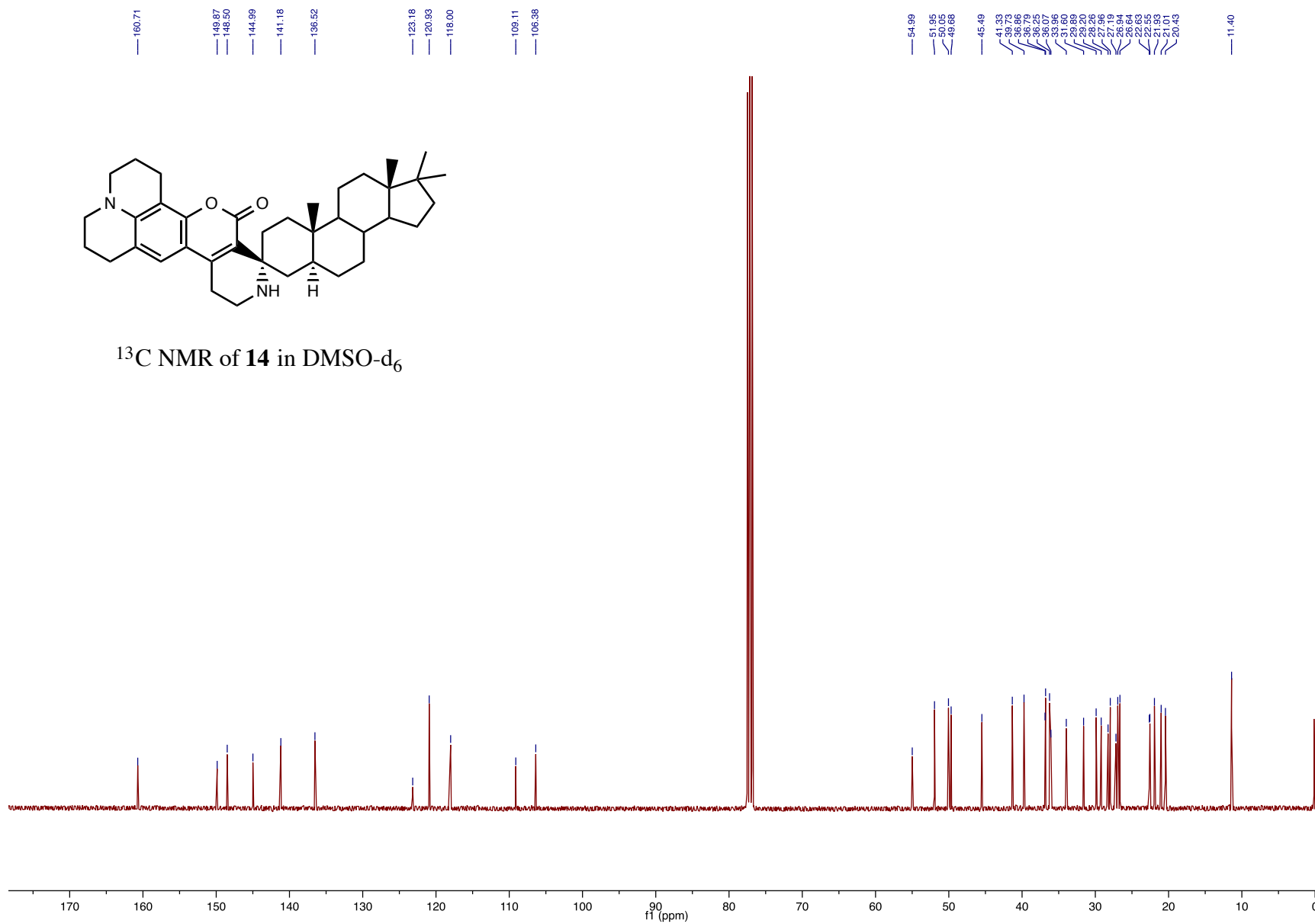


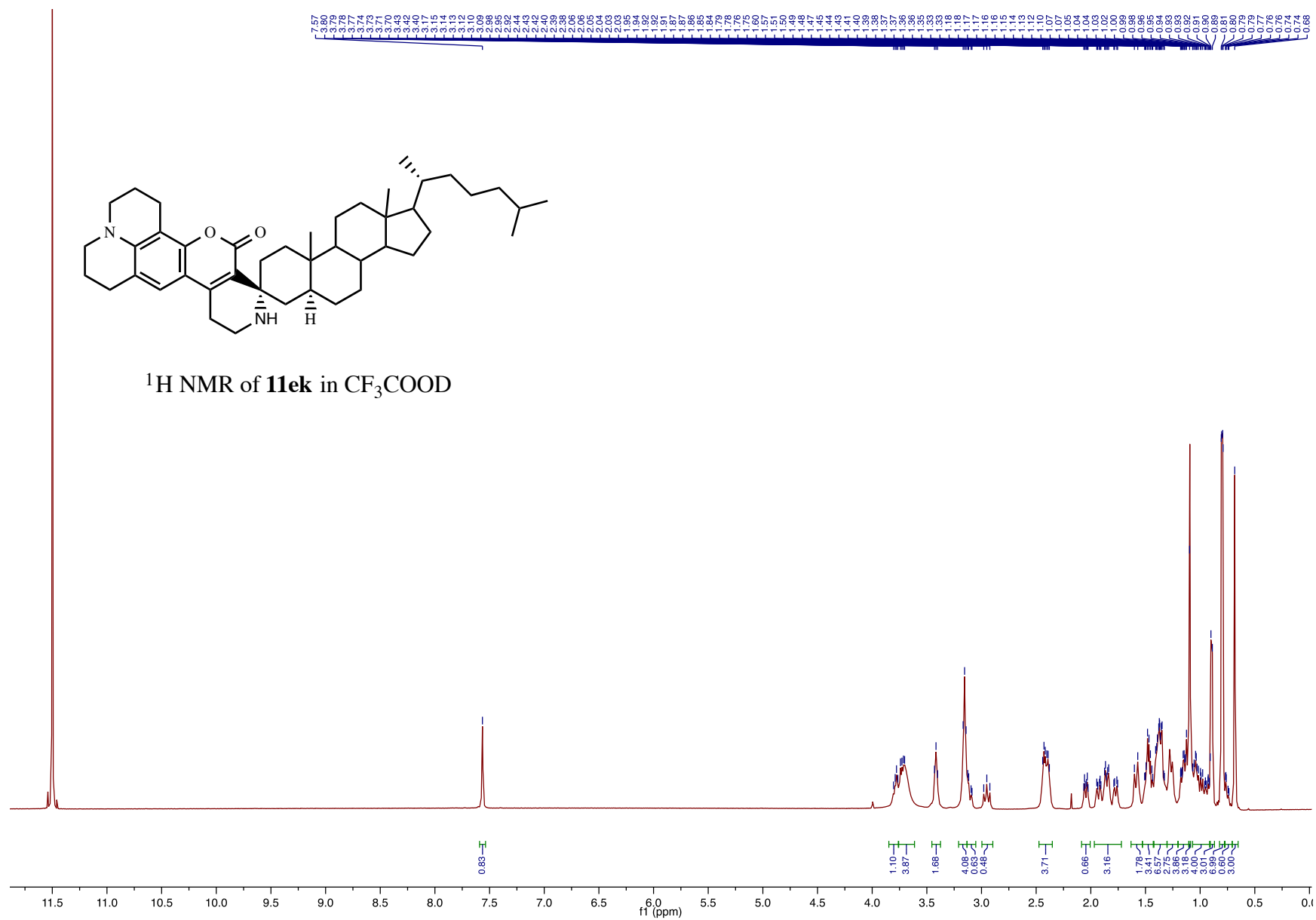
^1H NMR of **14** in DMSO-d_6

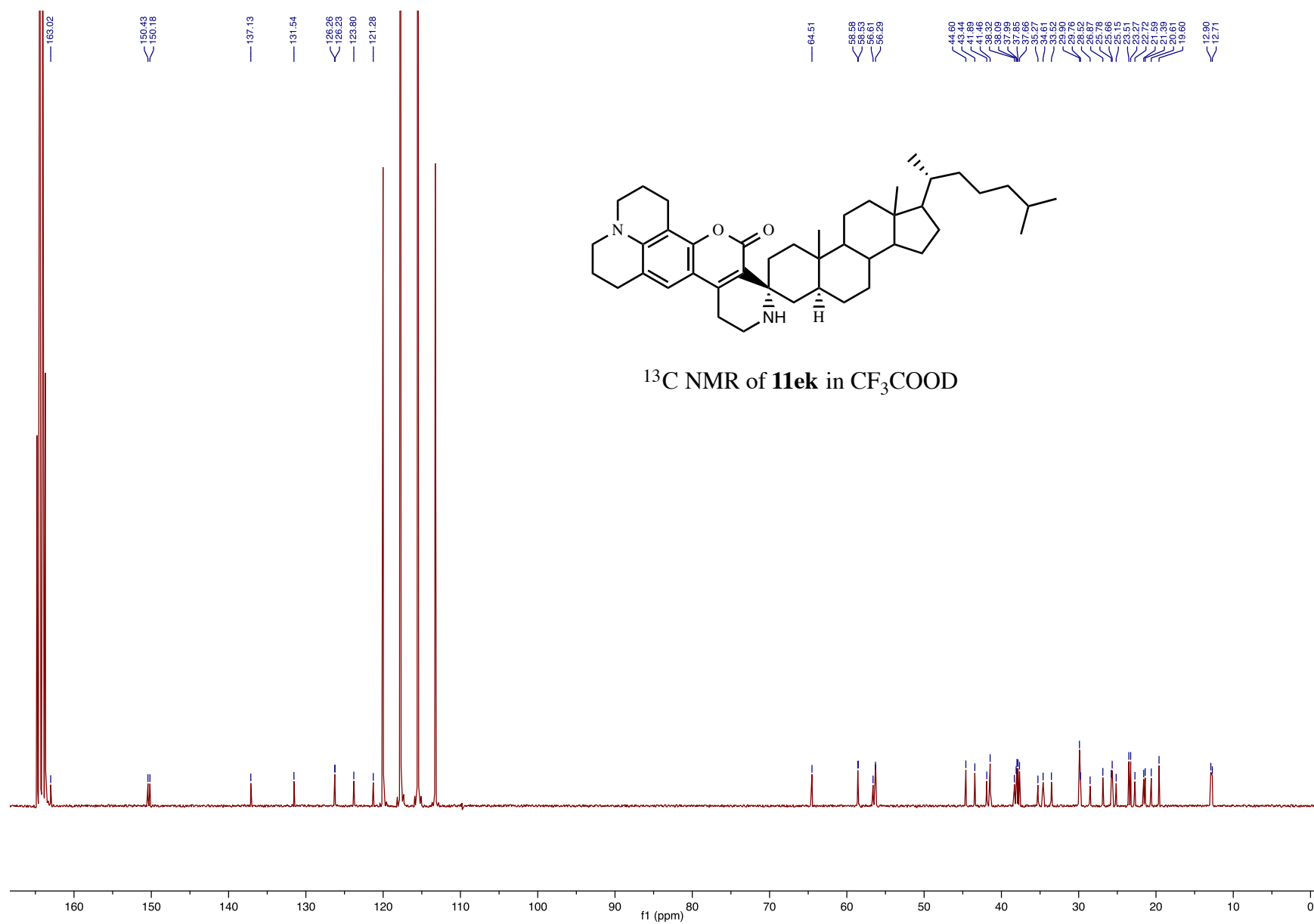




^{13}C NMR of **14** in DMSO-d_6

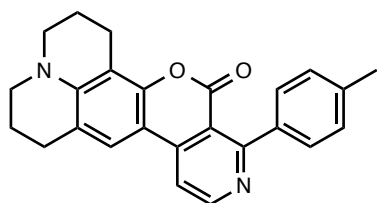




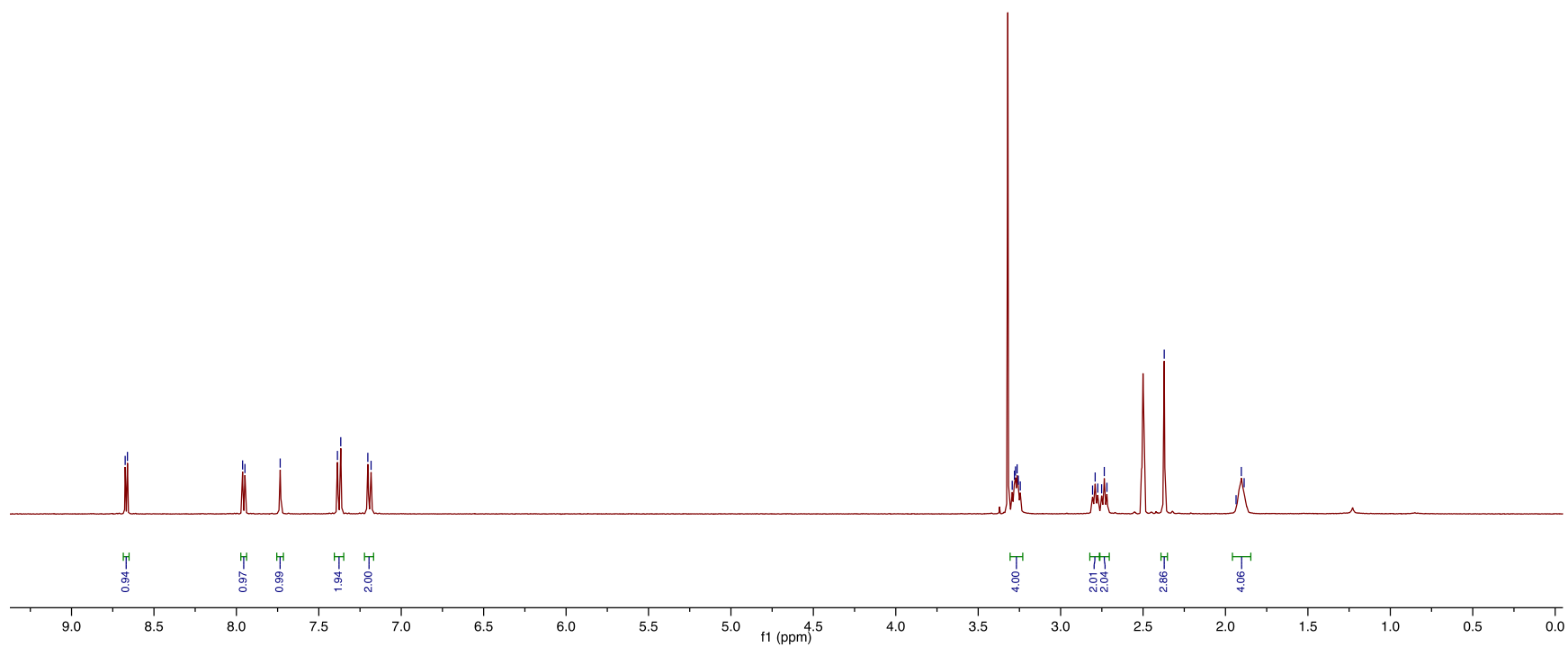


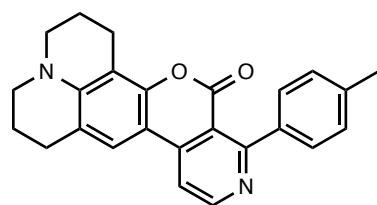
8.67
8.66
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7.95
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7.39
7.37
7.20
7.18

3.29
3.28
3.27
3.26
3.25
3.24
2.81
2.79
2.77
2.76
2.75
2.74
2.72
2.37
1.94
1.90
1.89



^1H NMR of **13** in DMSO-d_6





^{13}C NMR of **13** in DMSO- d_6

