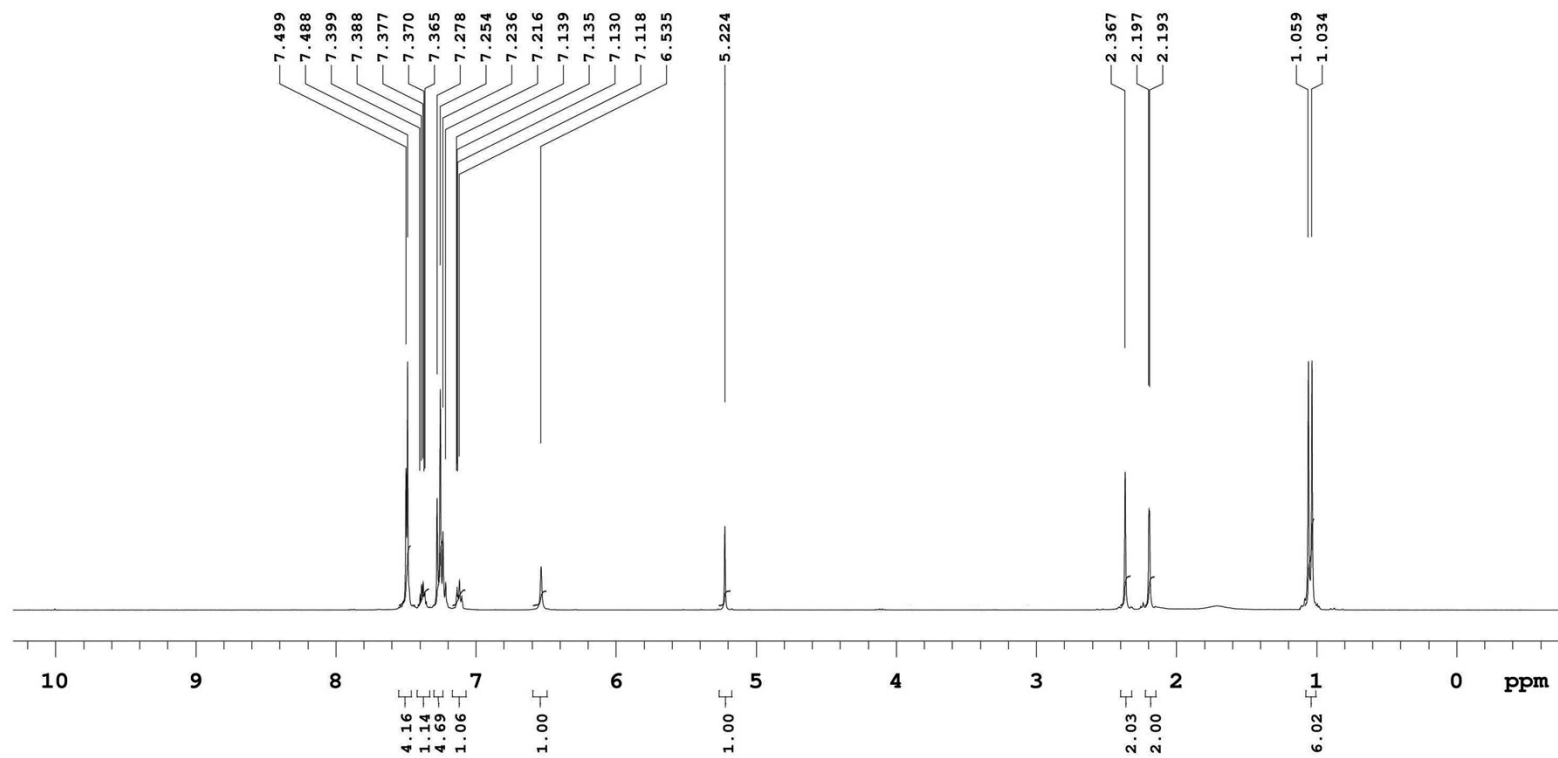
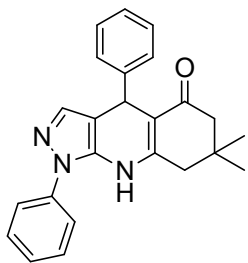
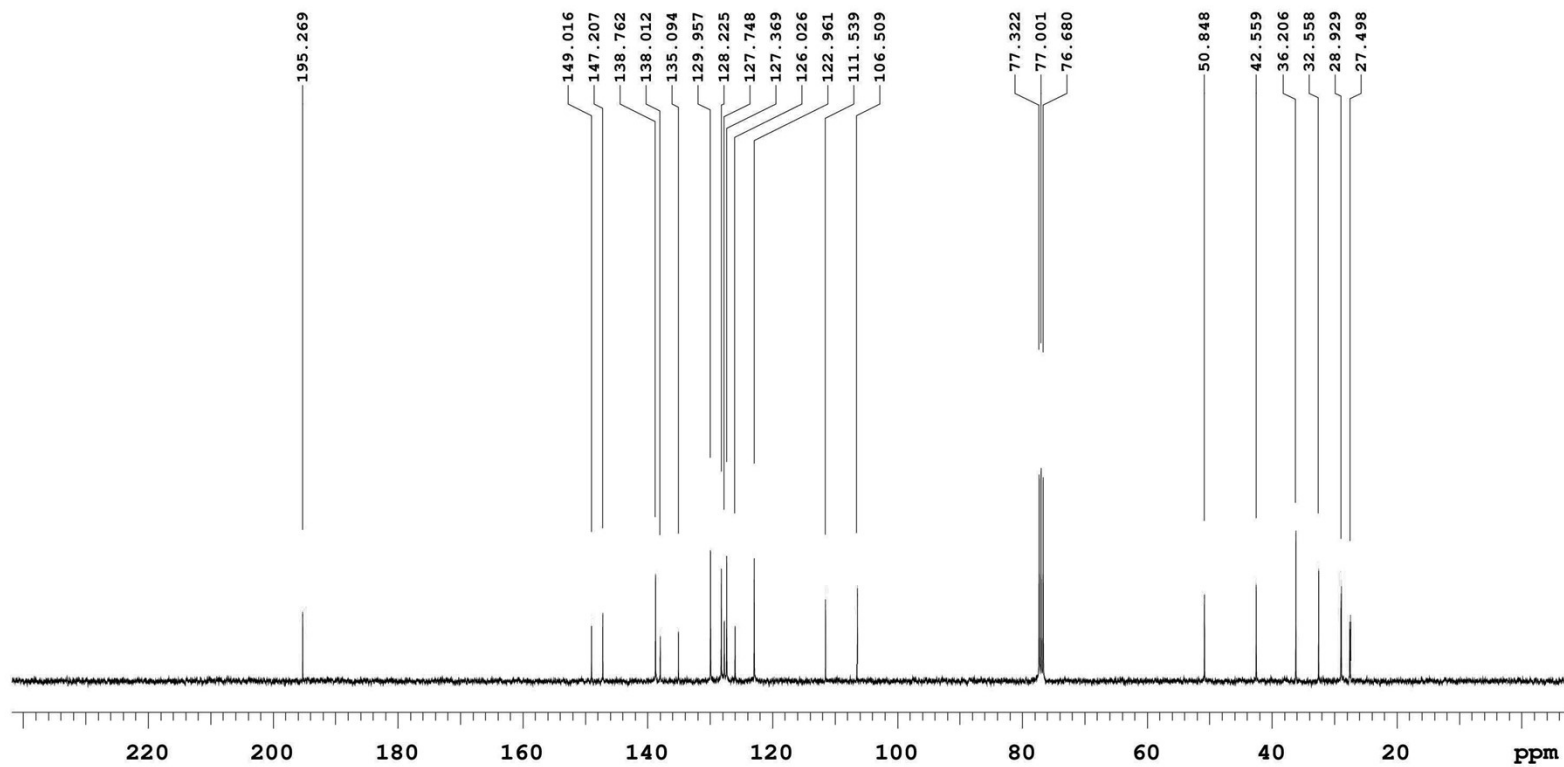
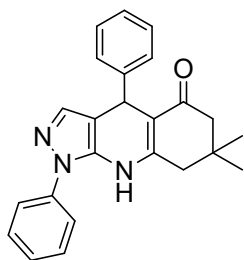


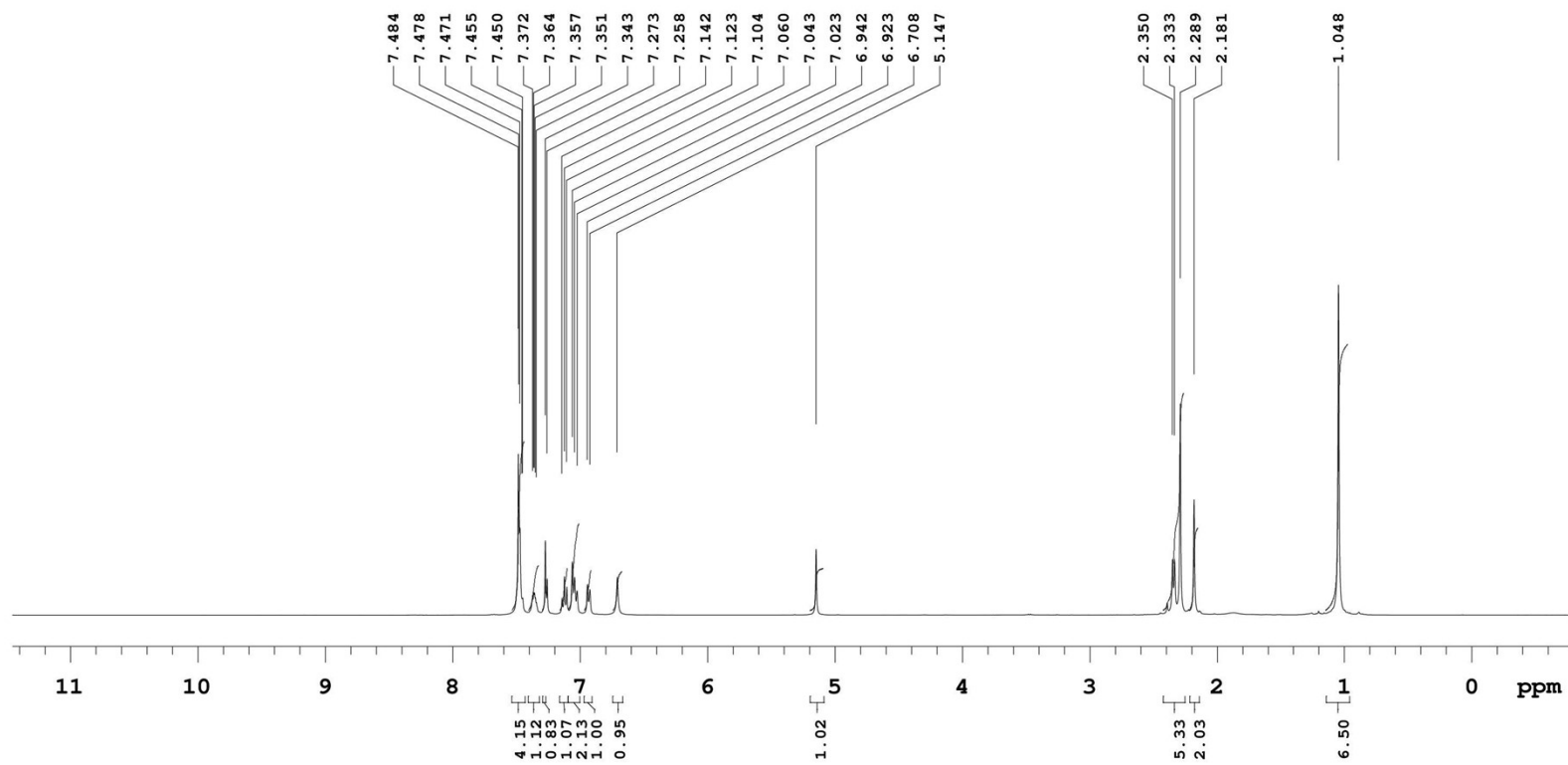
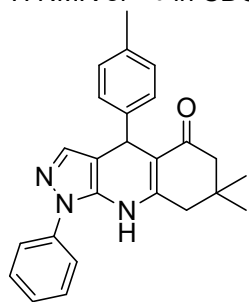
^1H NMR of **2a** in CDCl_3



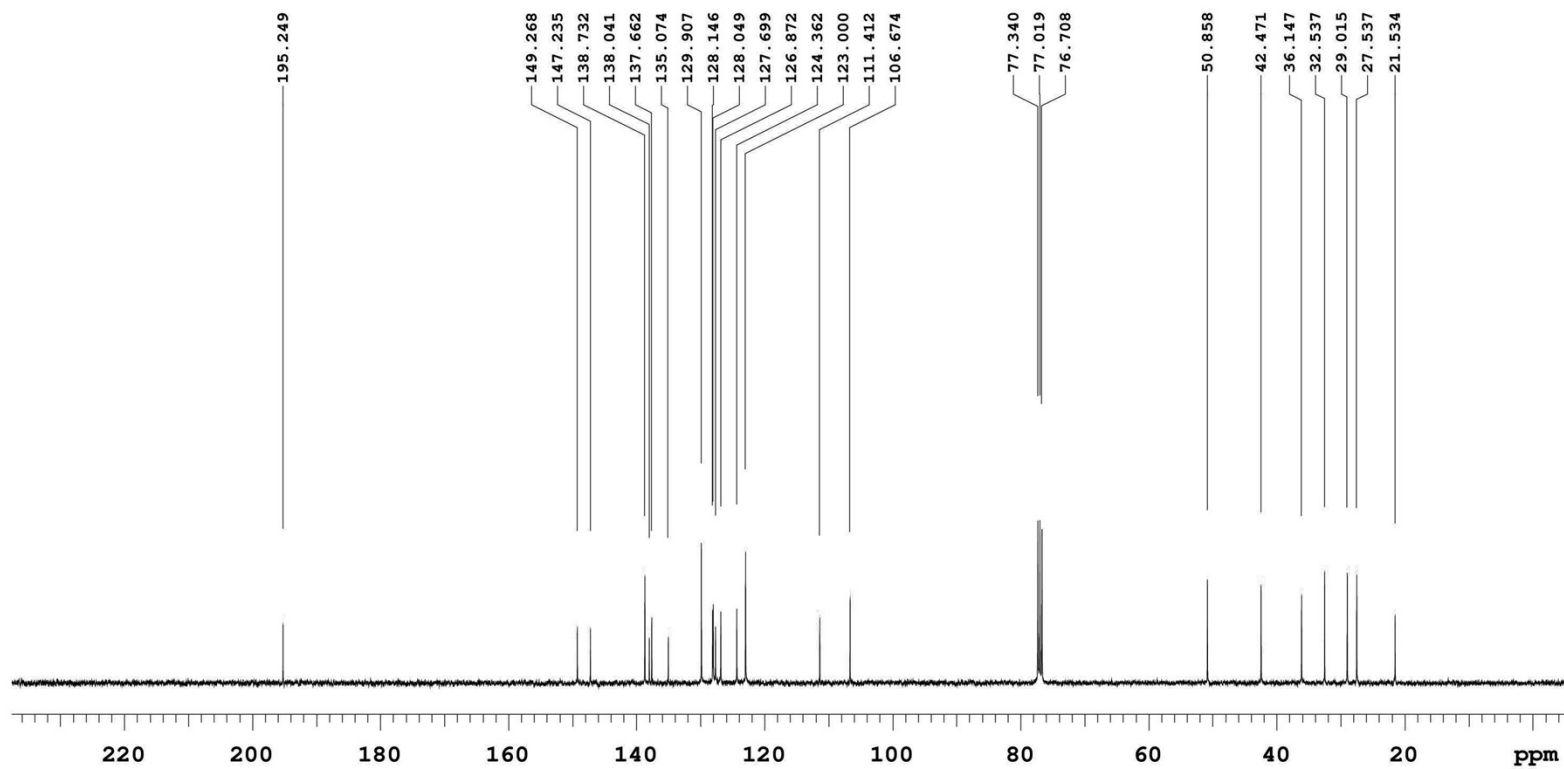
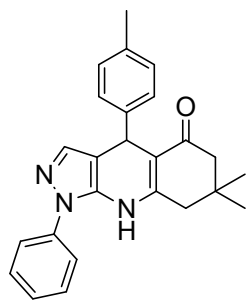
^{13}C NMR of **2a** in CDCl_3



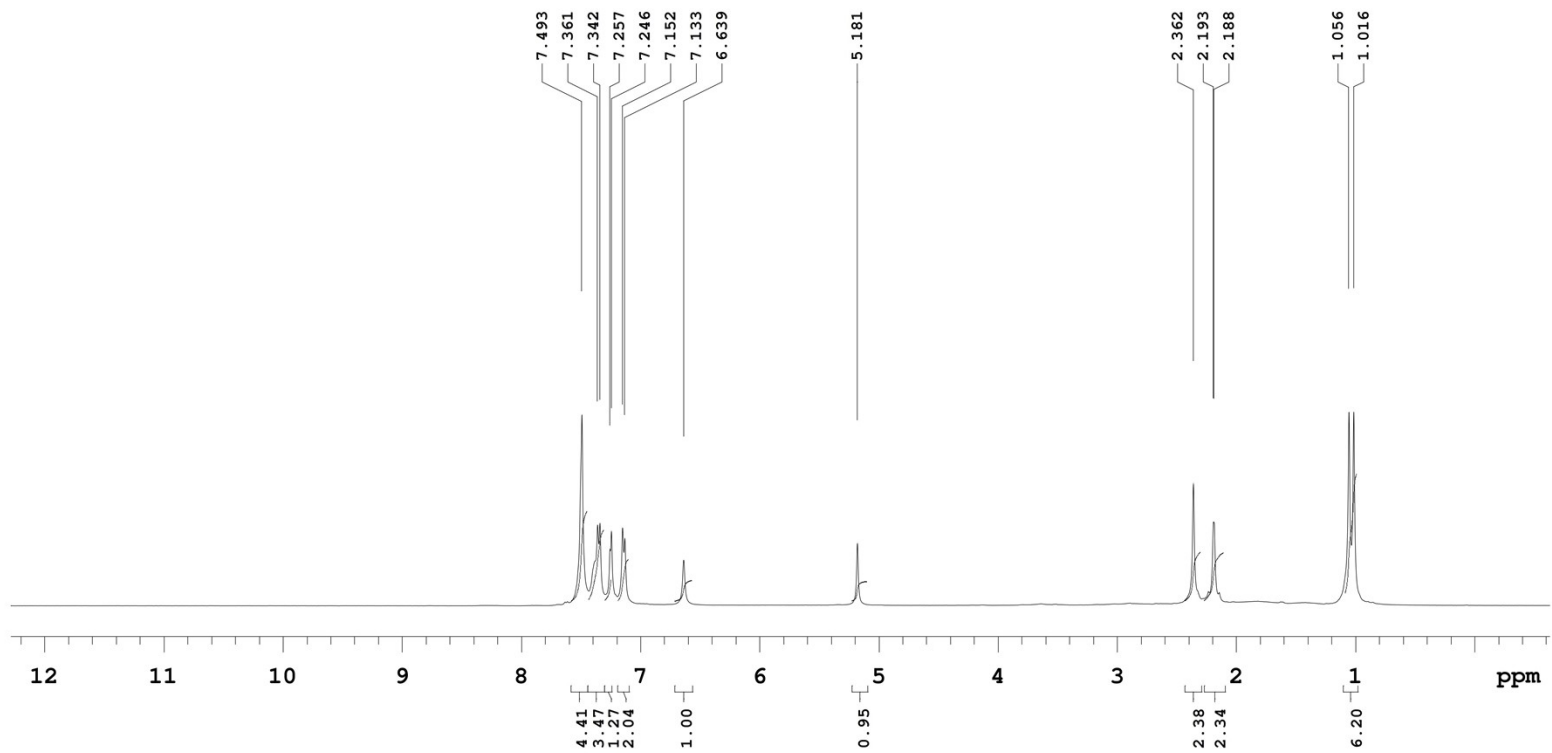
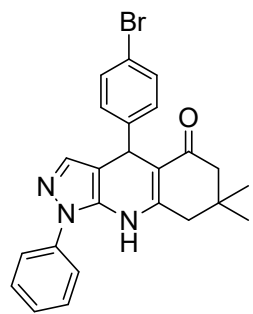
¹H NMR of **2b** in CDCl₃



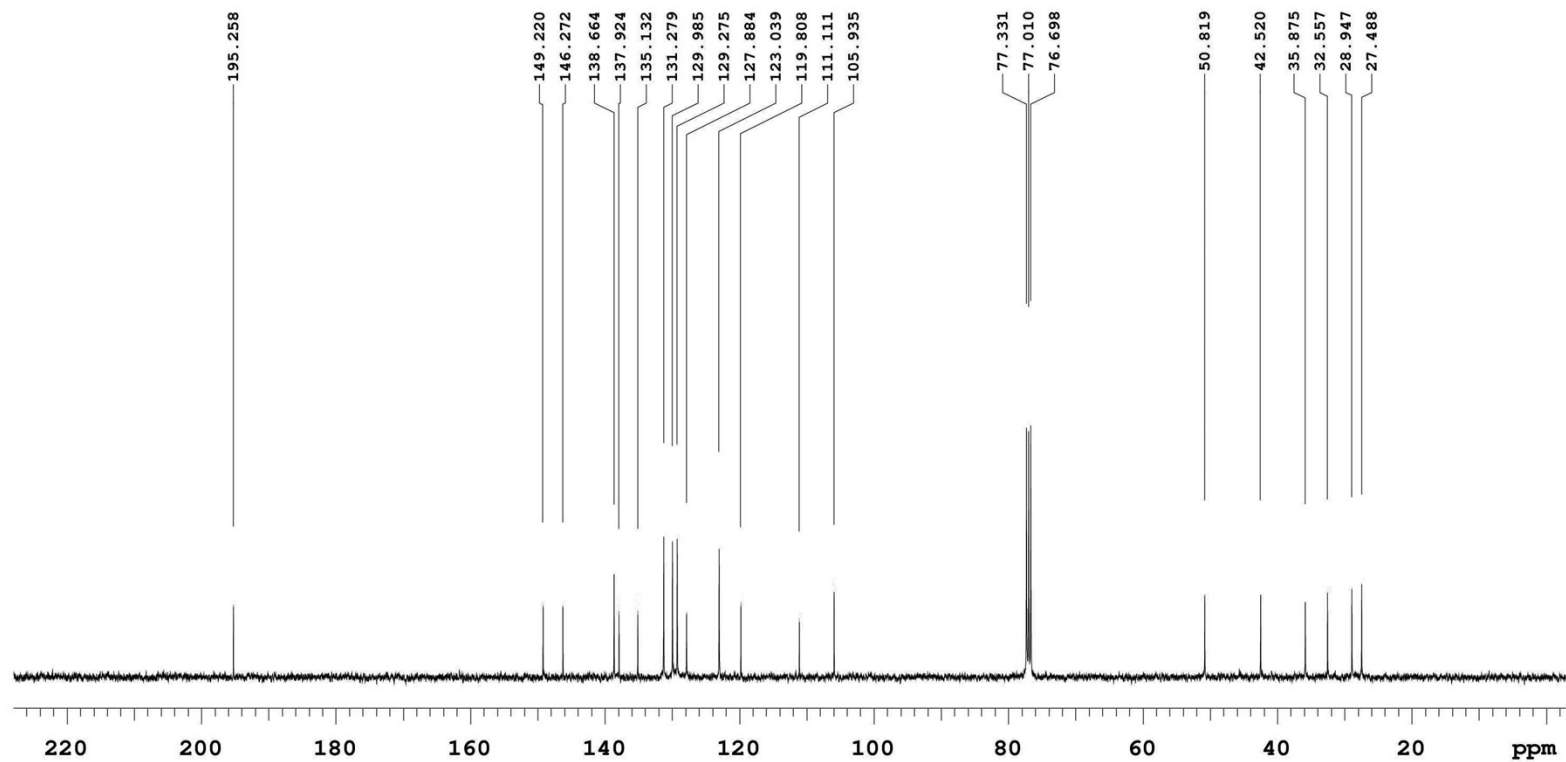
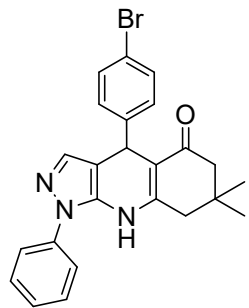
^{13}C NMR of **2b** in CDCl_3



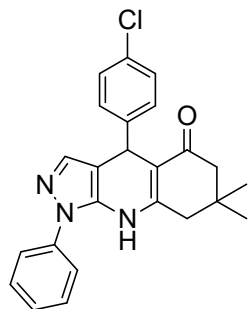
^1H NMR of **2c** in CDCl_3



^{13}C NMR of **2c** in CDCl_3

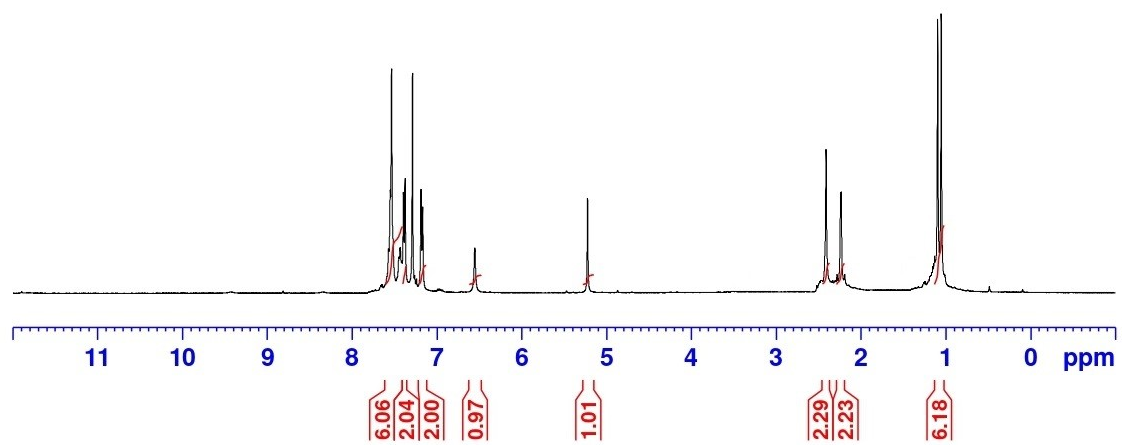


¹H NMR of **2d** in CDCl₃

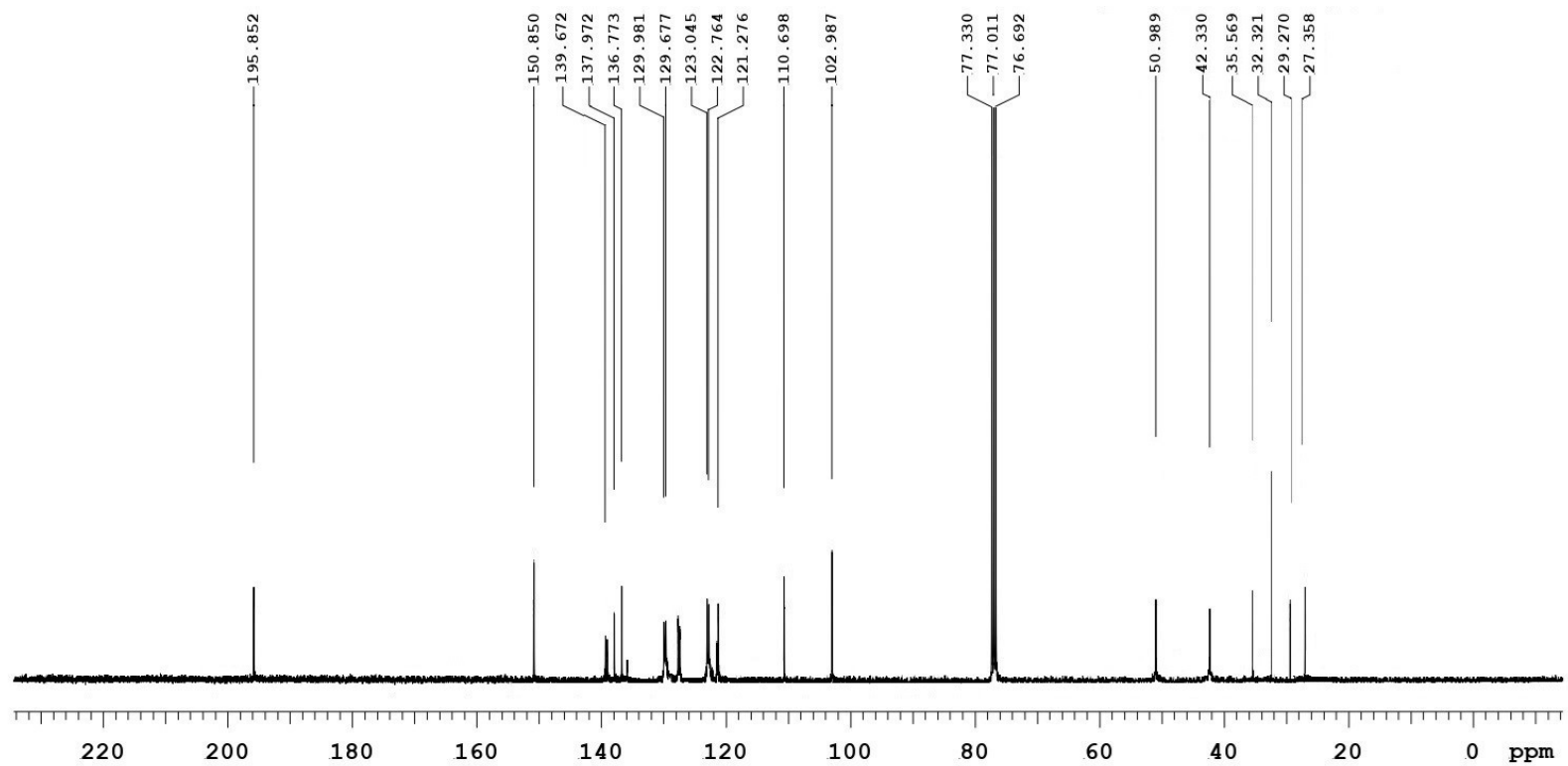
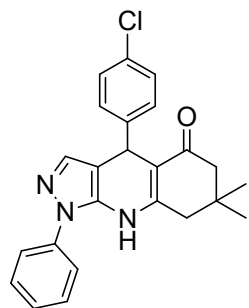


7.570
7.550
7.534
7.447
7.432
7.415
7.395
7.374
7.287
7.187
7.167
6.553
— 5.223

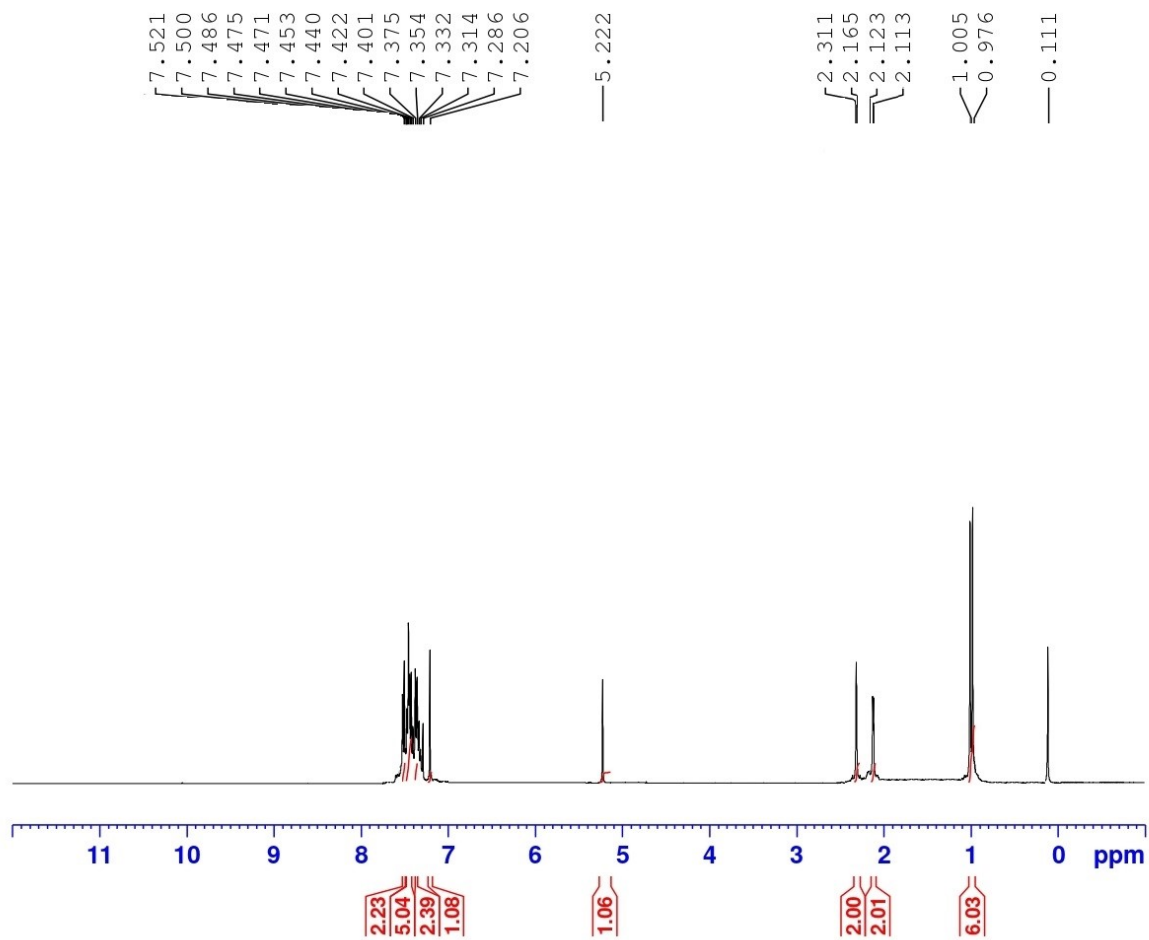
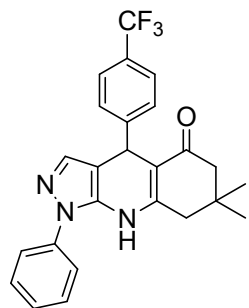
2.411
2.240
2.232
1.183
1.169
1.152
1.136
1.096
1.053



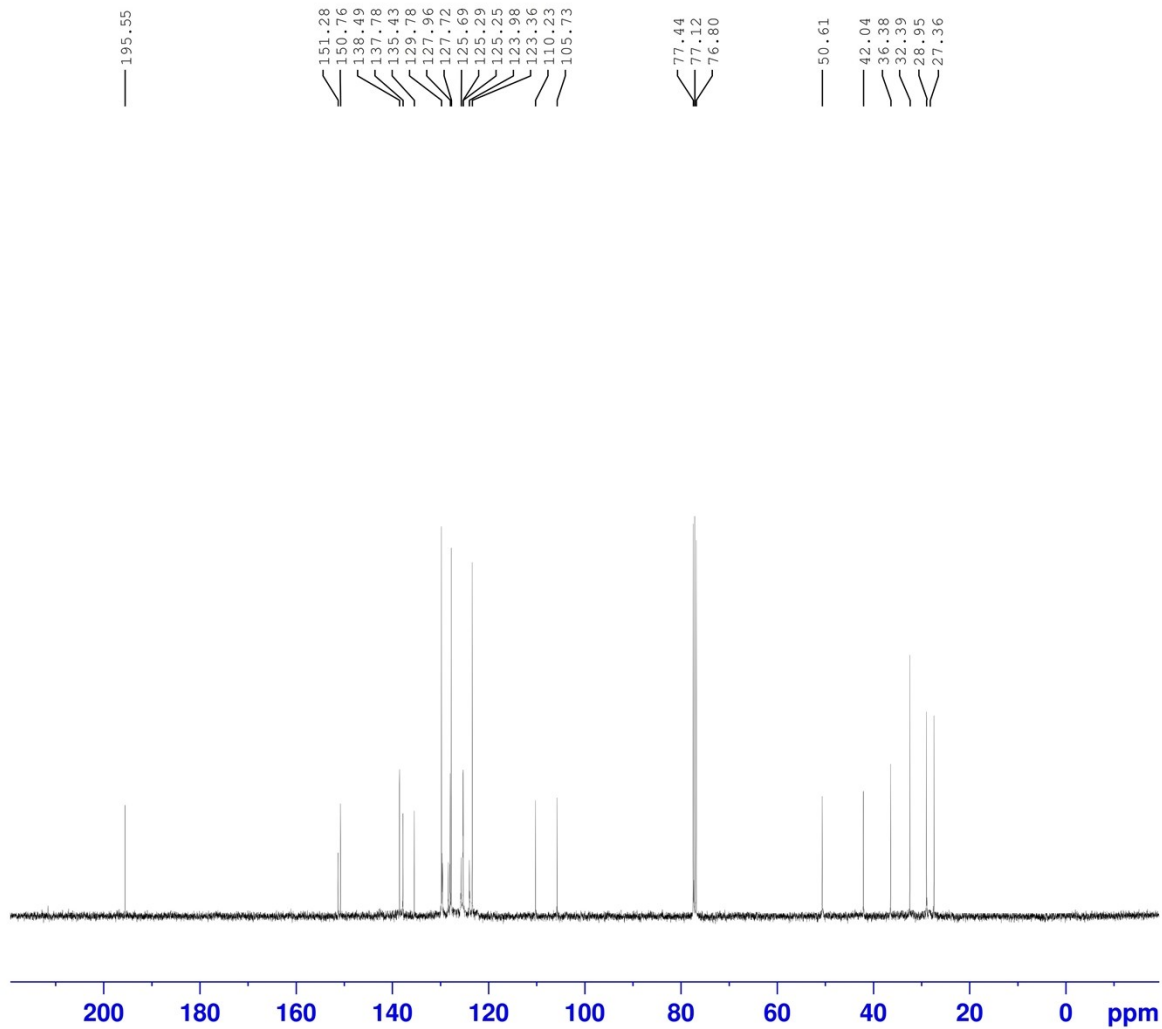
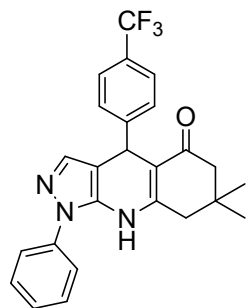
^{13}C NMR of **2d** in CDCl_3



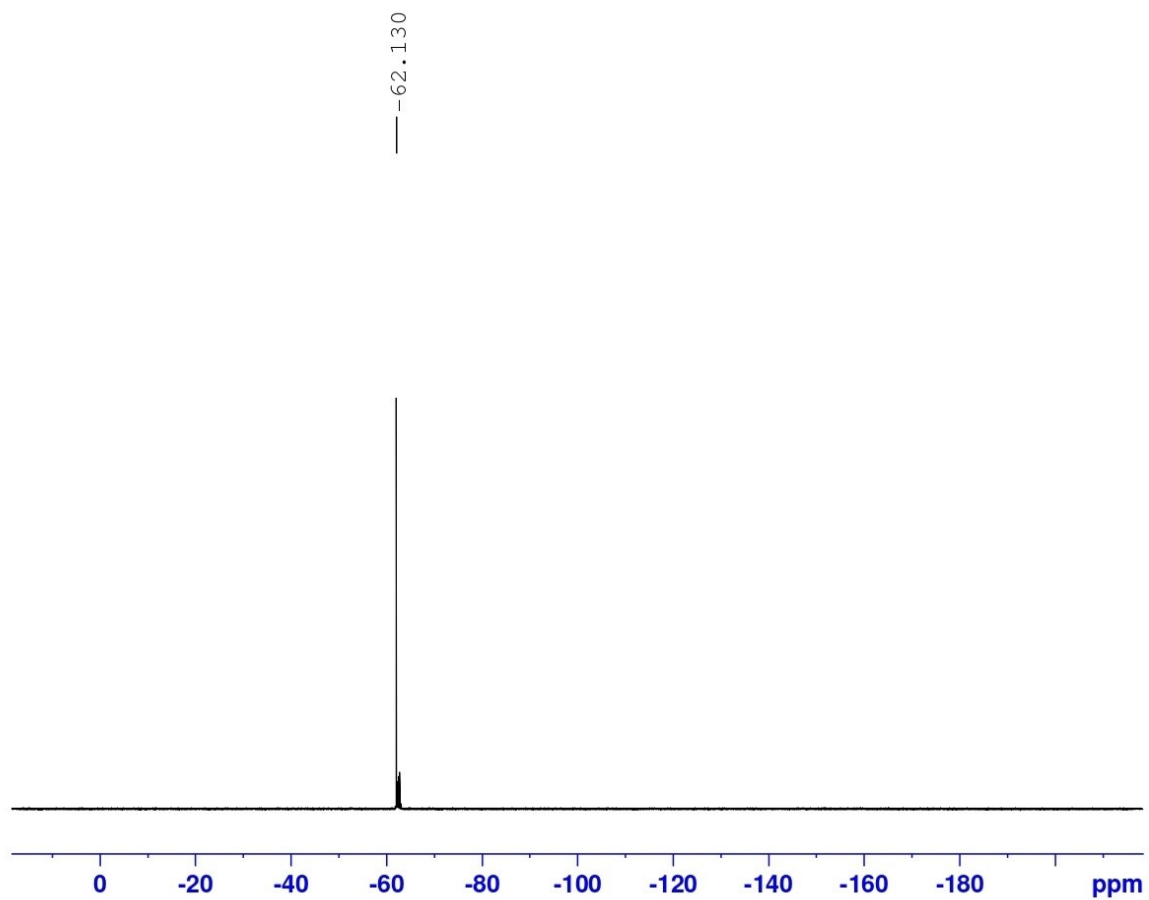
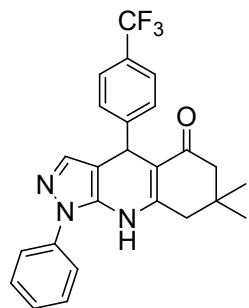
^1H NMR of **2e** in CDCl_3



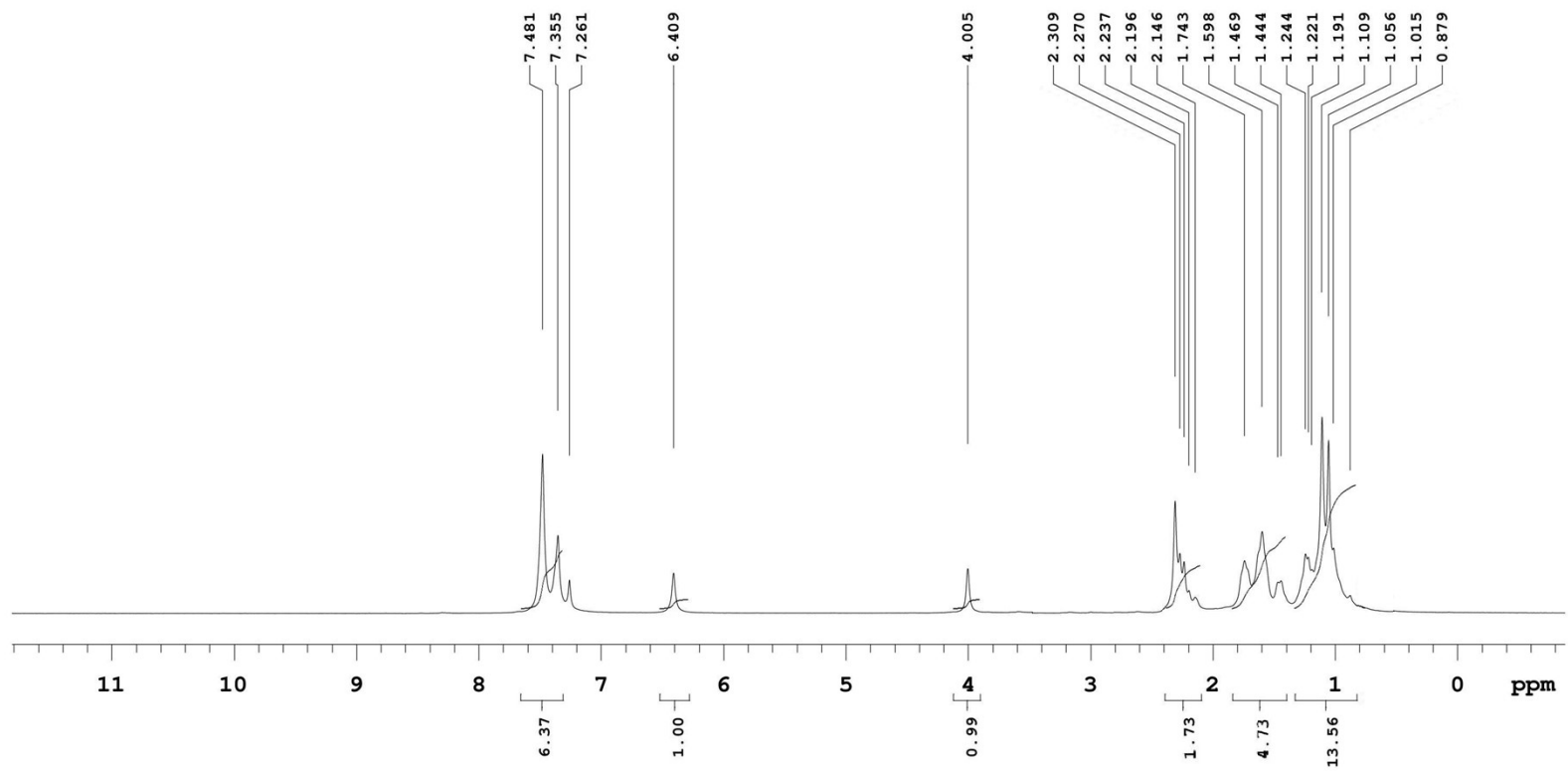
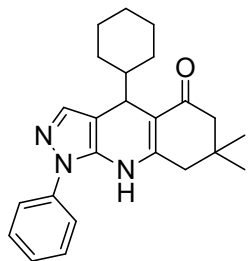
^{13}C NMR of **2e** in CDCl_3



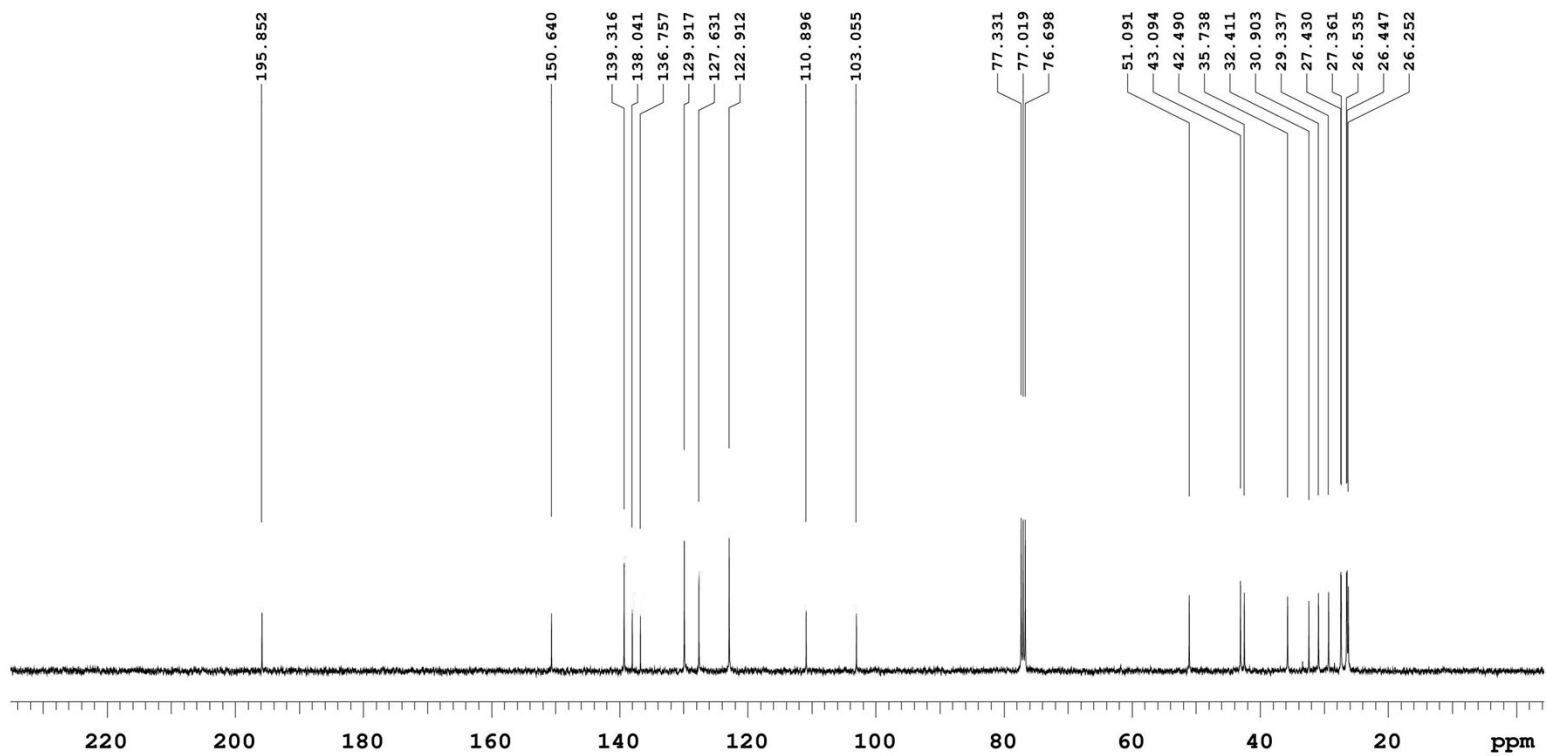
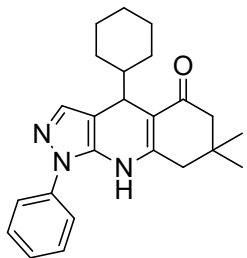
^{19}F NMR of **2e** in CDCl_3



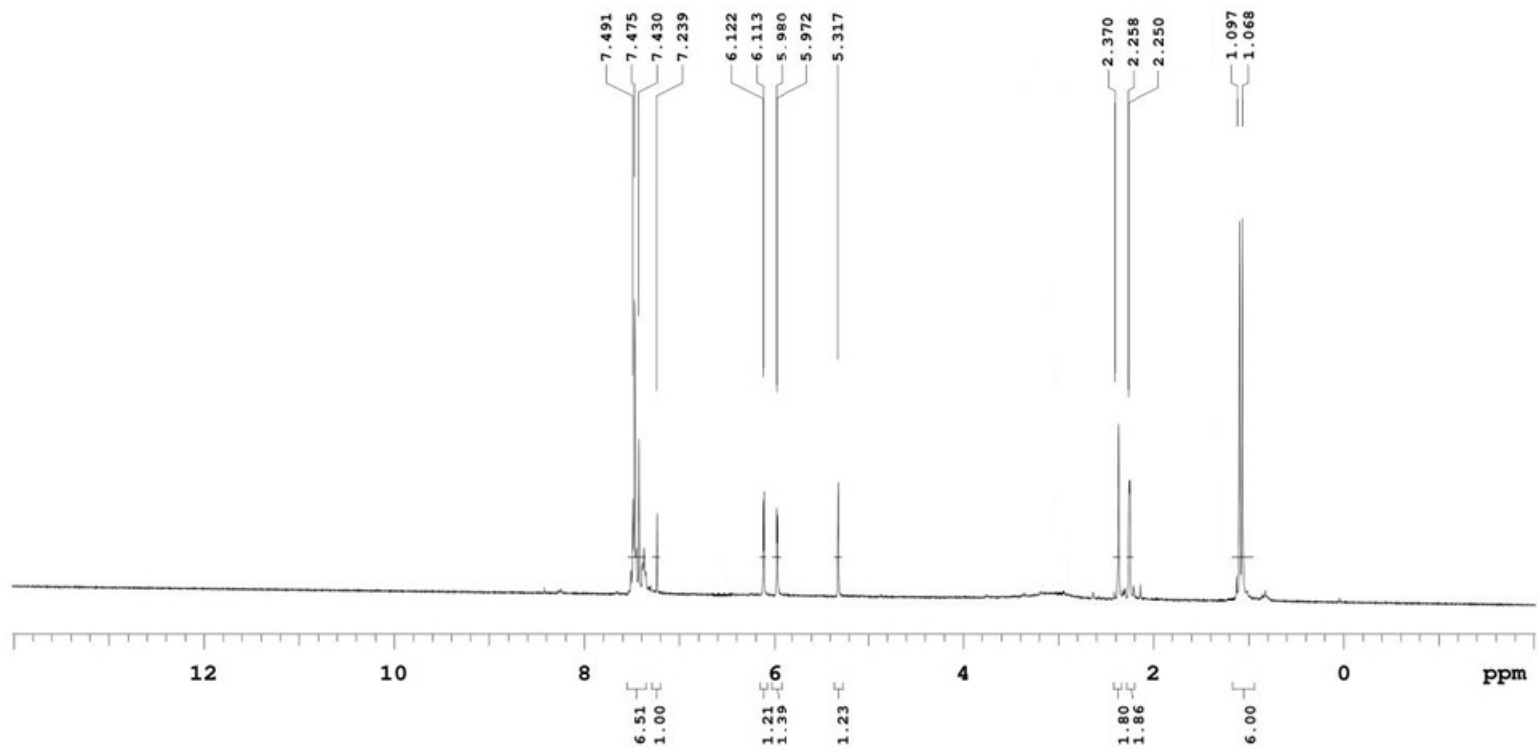
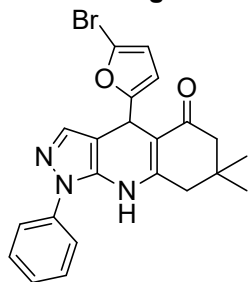
^1H NMR of **2f** in CDCl_3



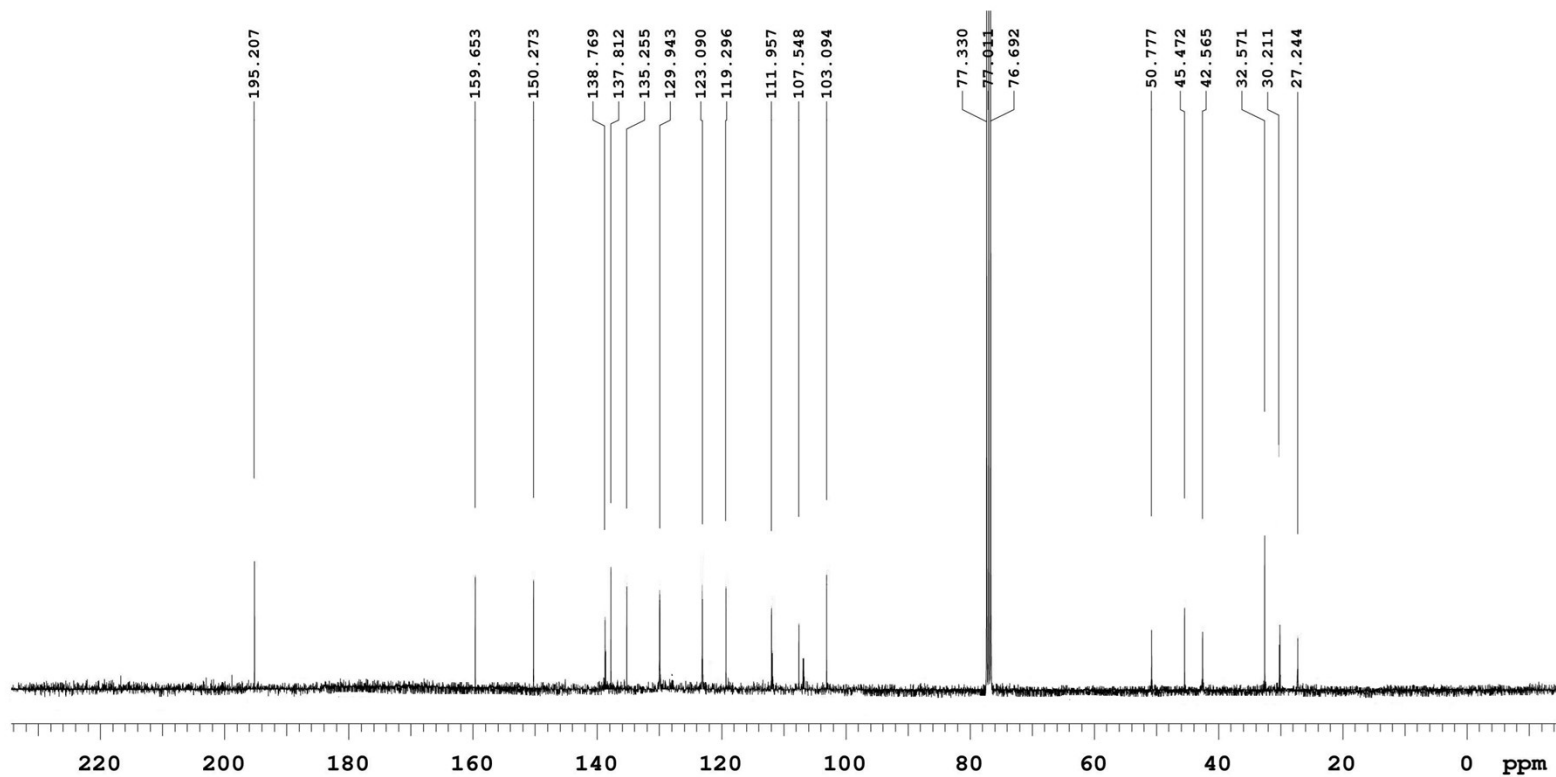
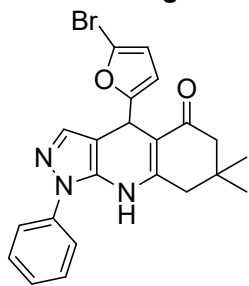
^{13}C NMR of **2f** in CDCl_3



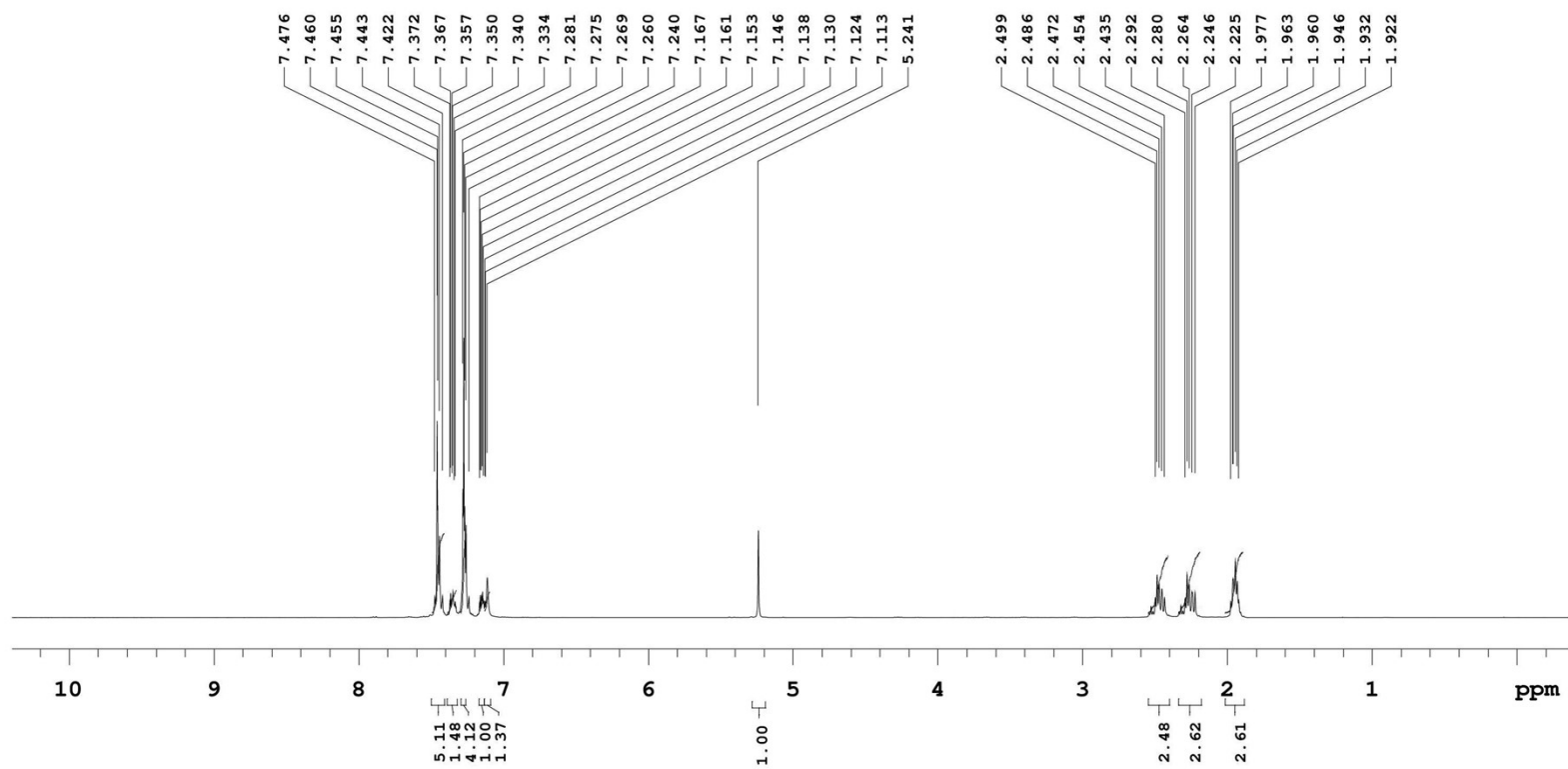
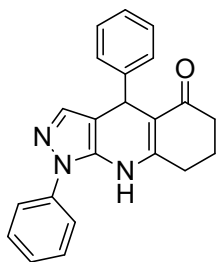
¹H NMR of **2g** in CDCl₃



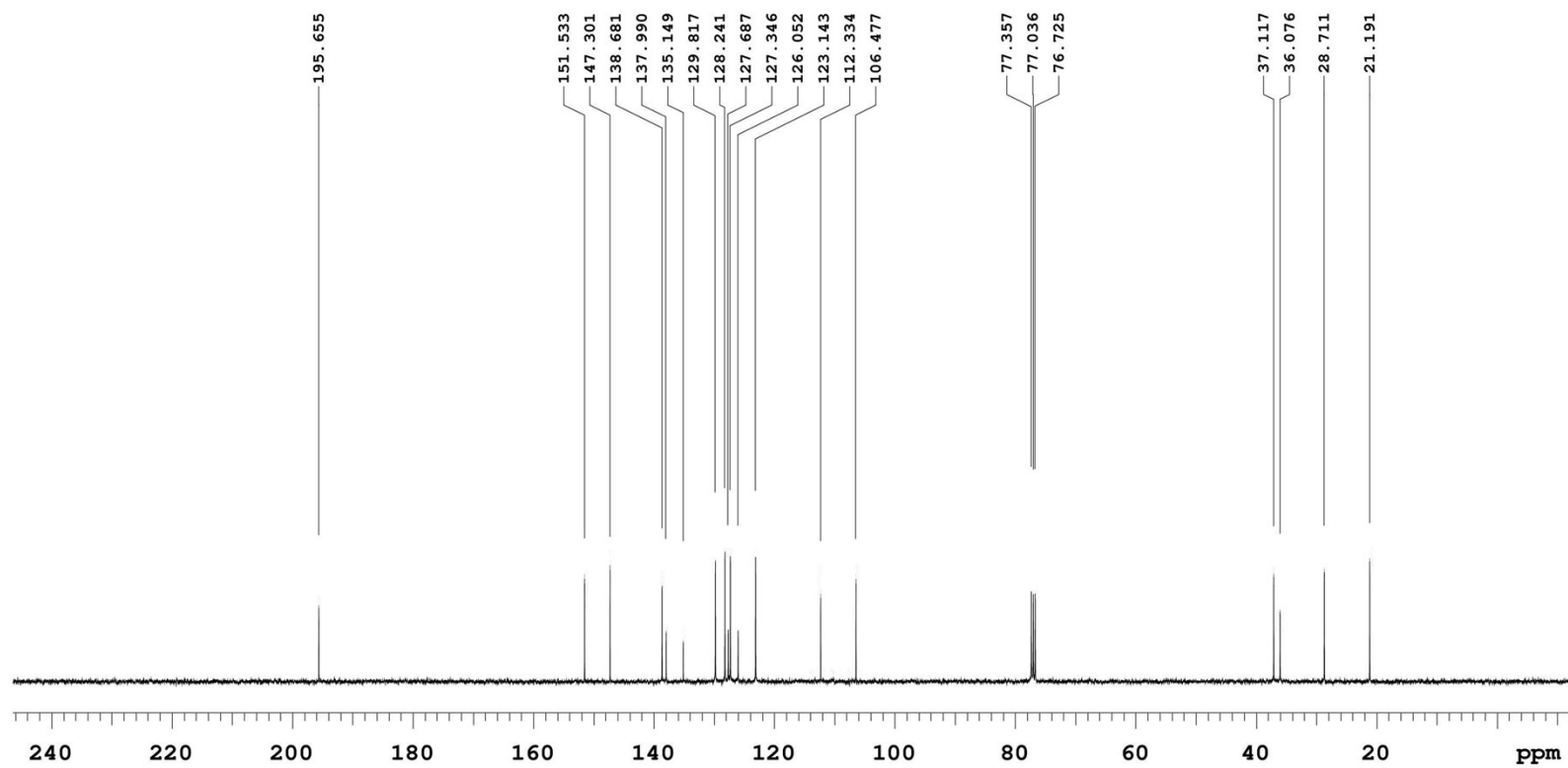
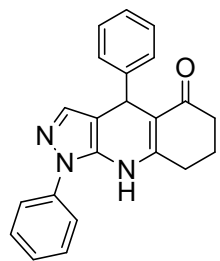
^{13}C NMR of **2g** in CDCl_3



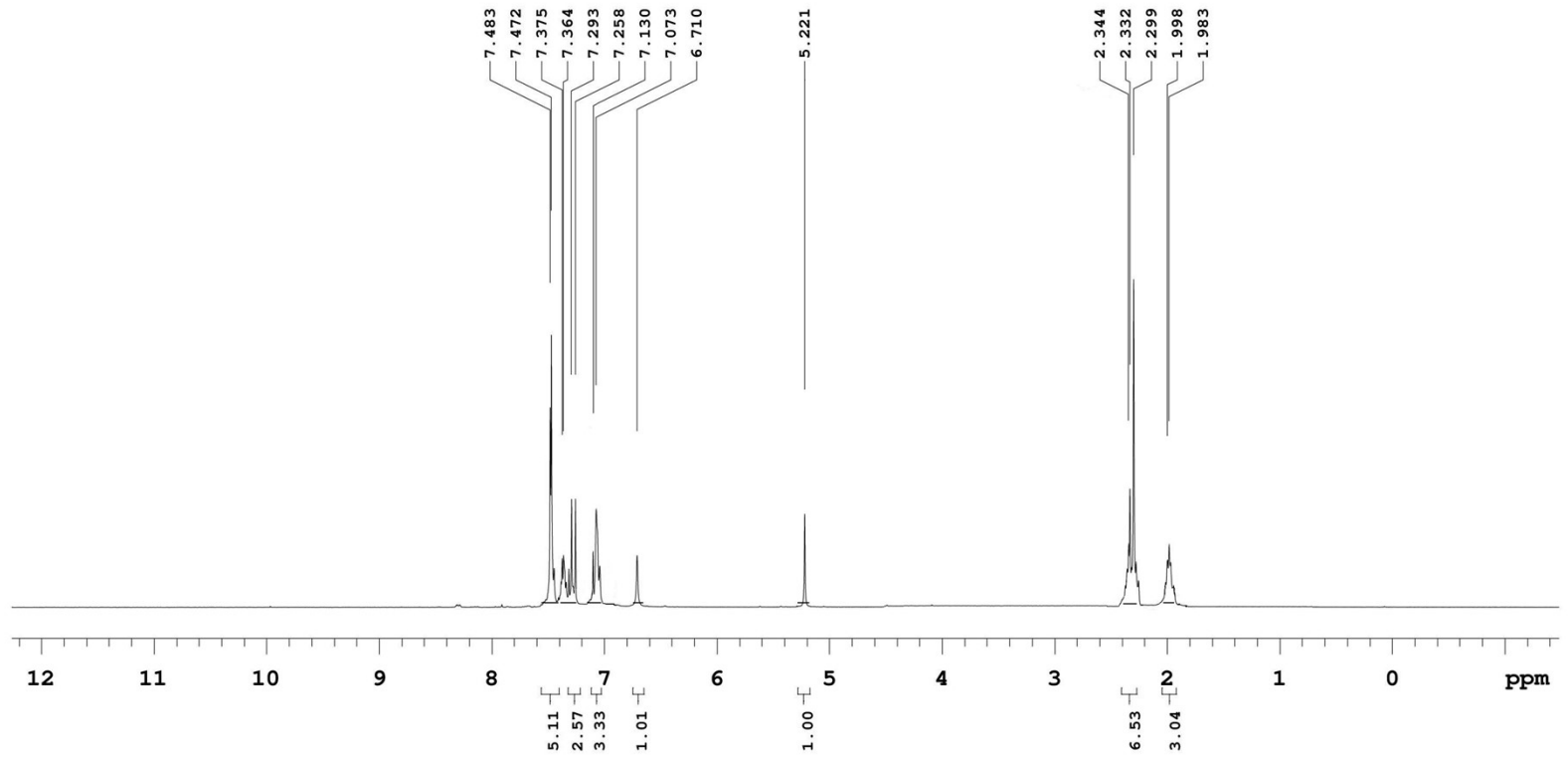
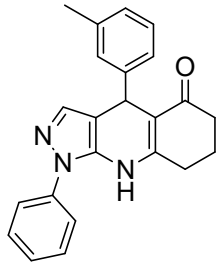
¹H NMR of **3a** in CDCl₃



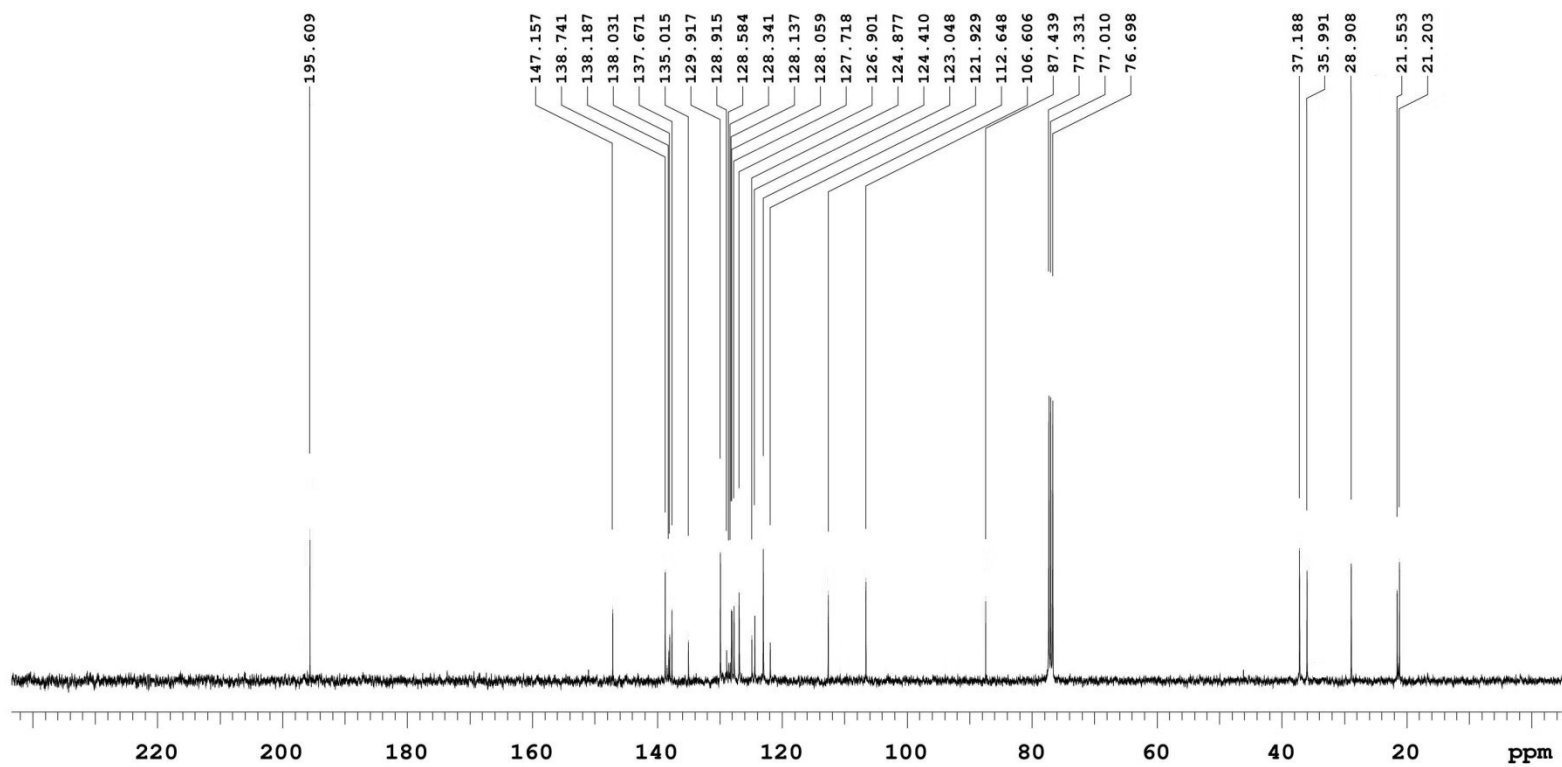
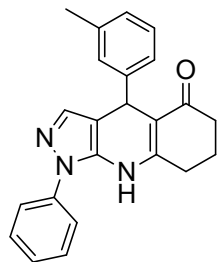
^{13}C NMR of **3a** in CDCl_3



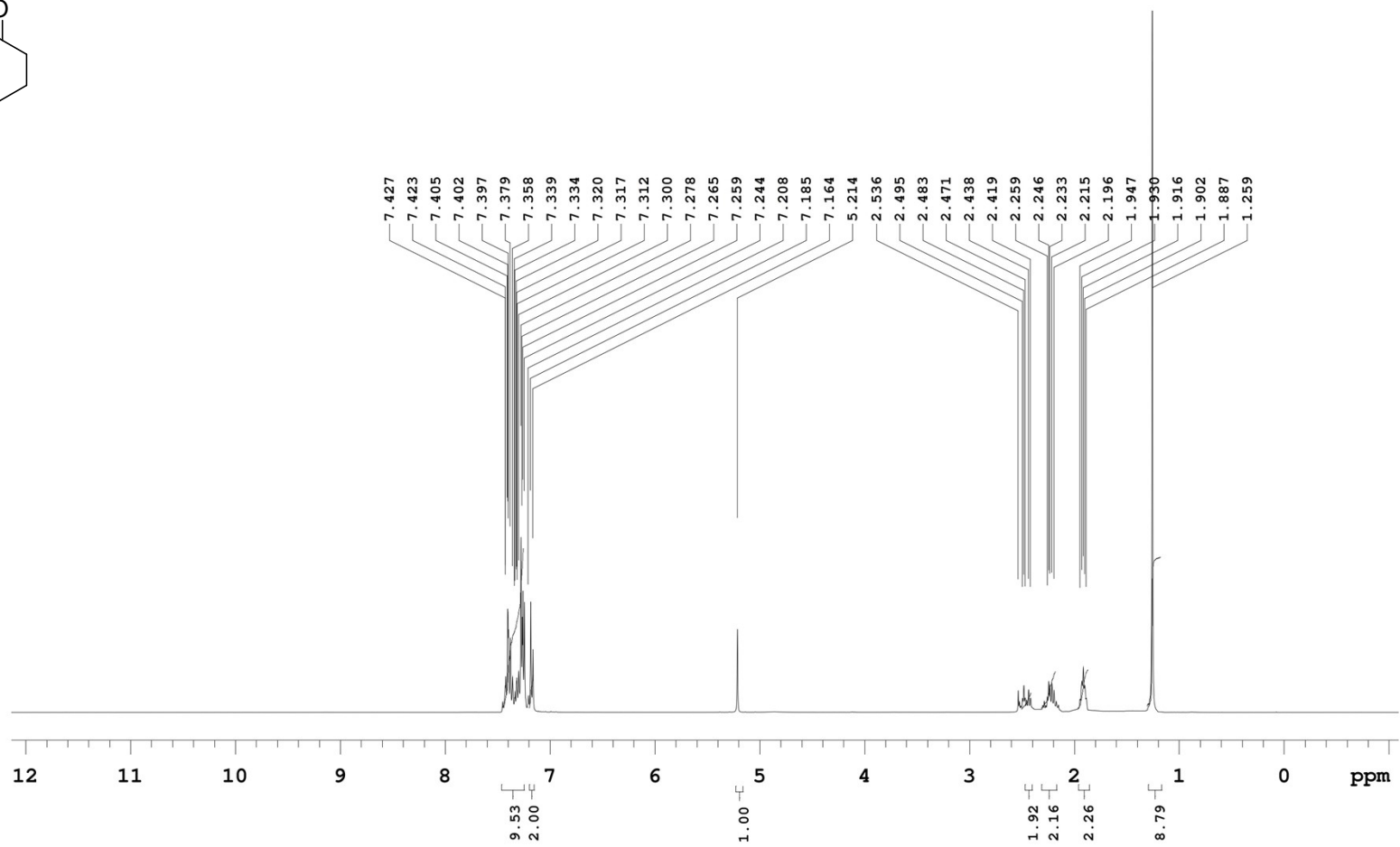
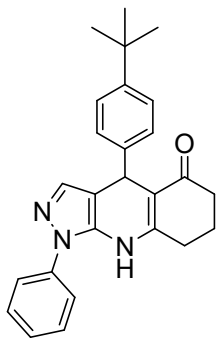
¹H NMR of **3b** in CDCl₃



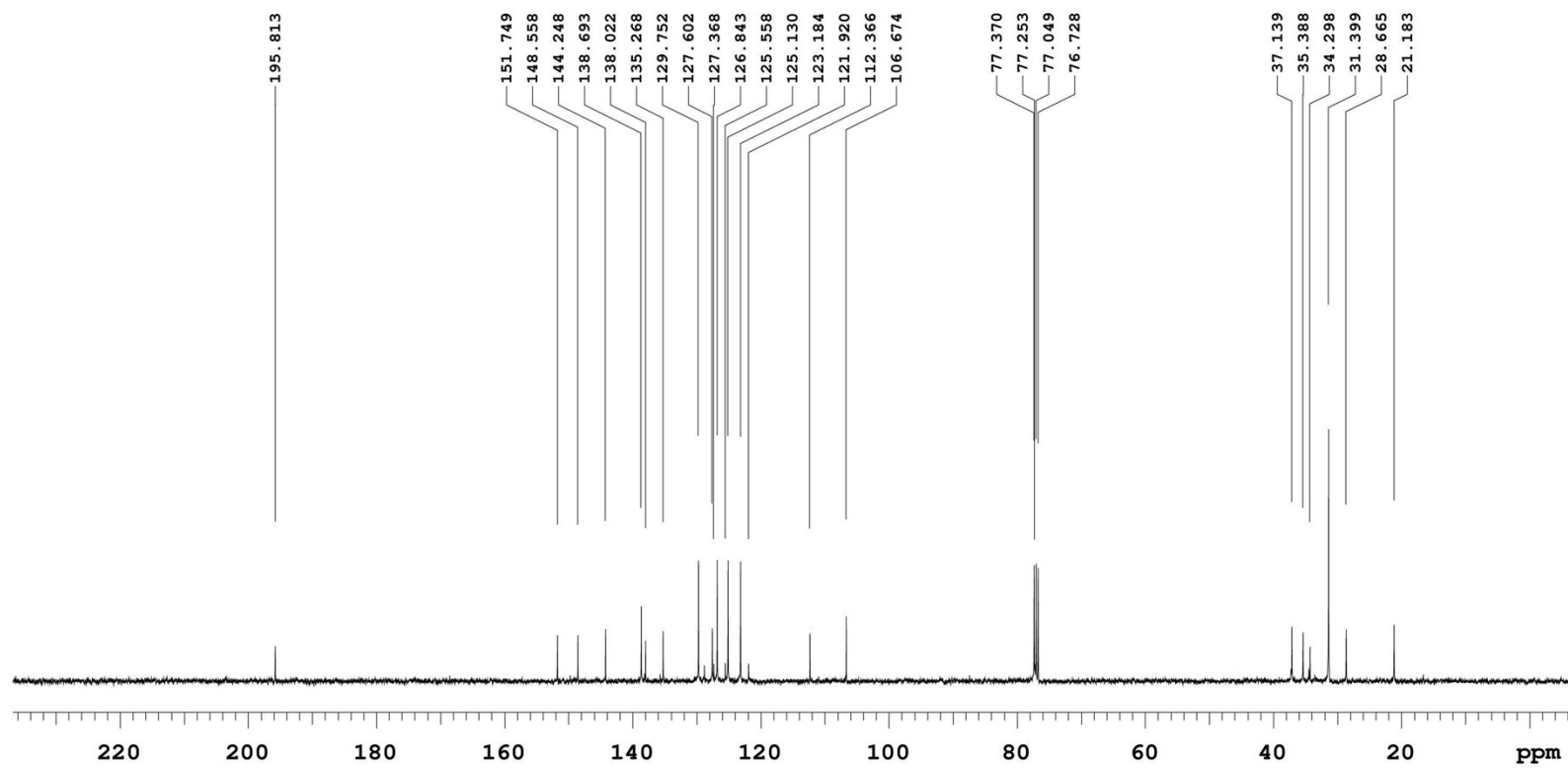
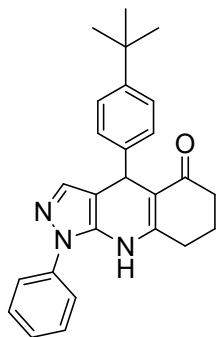
^{13}C NMR of **3b** in CDCl_3



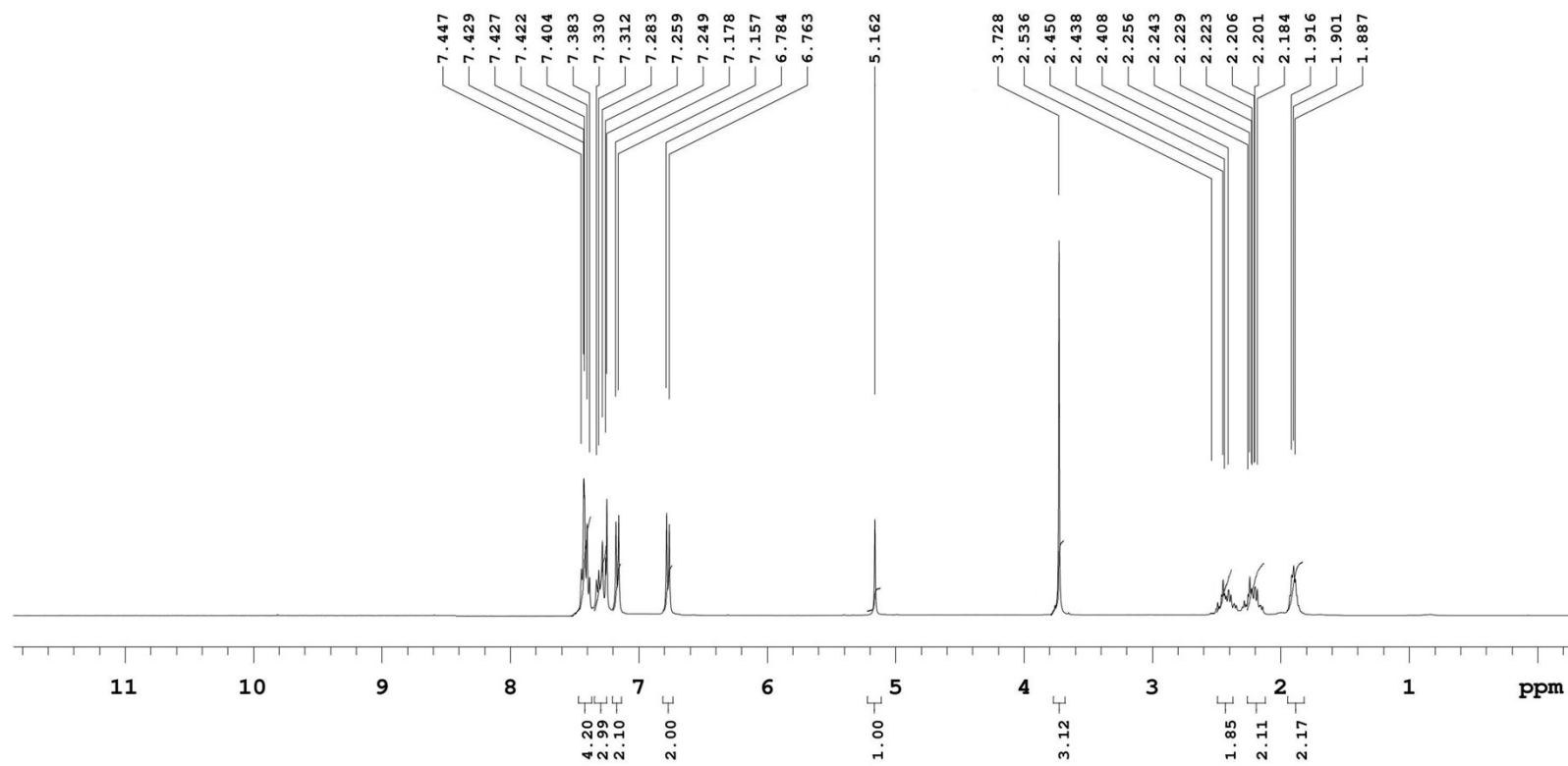
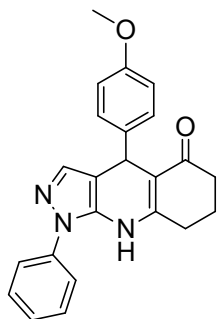
¹H NMR of **3c** in CDCl₃



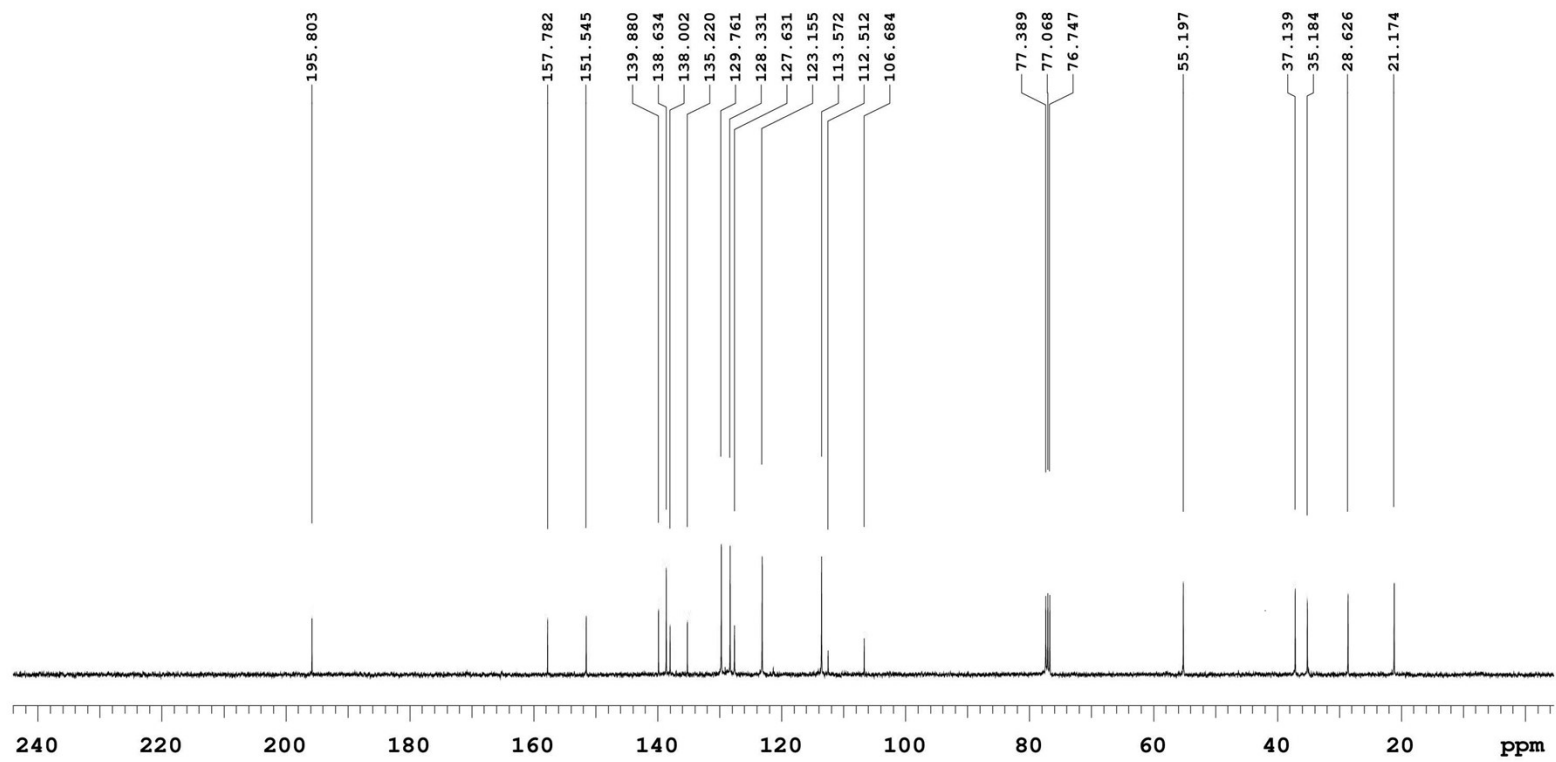
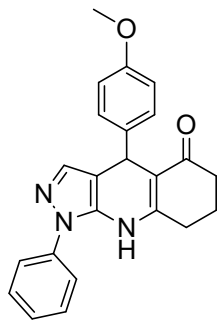
^{13}C NMR of **3c** in CDCl_3



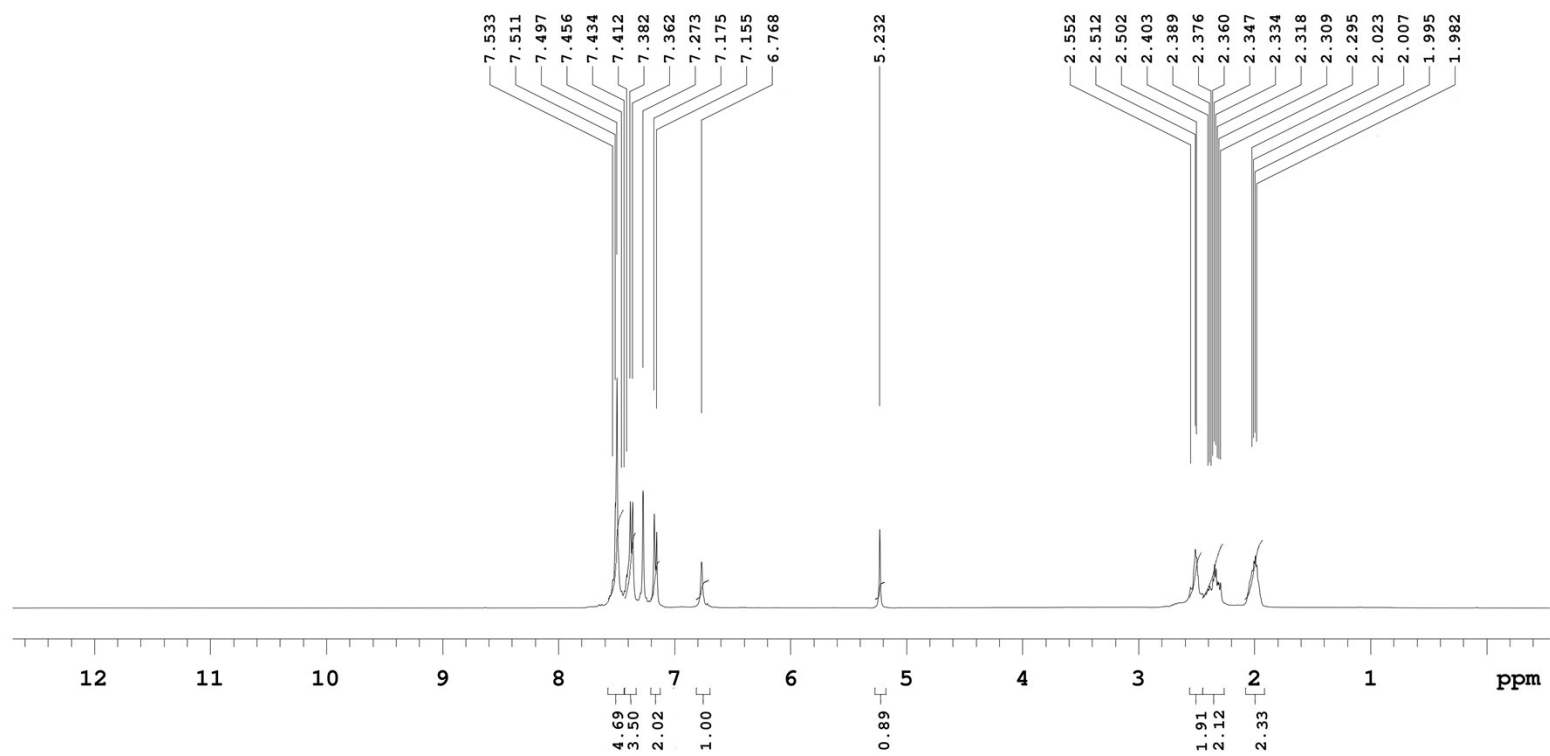
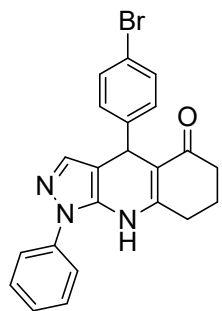
^1H NMR of **3d** in CDCl_3



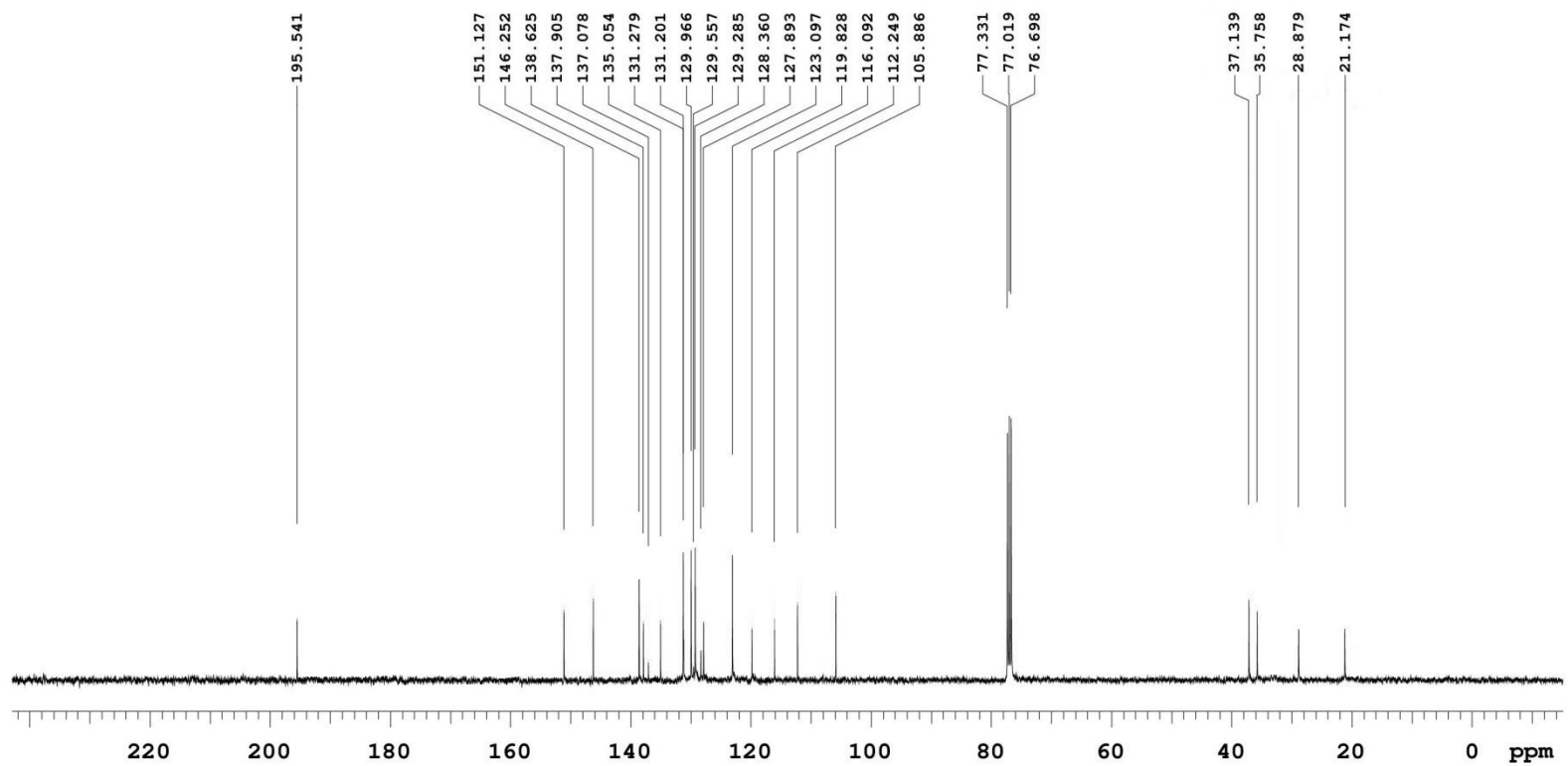
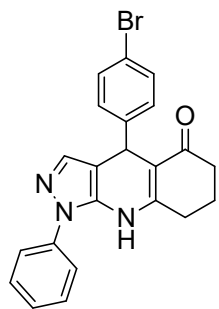
^{13}C NMR of **3d** in CDCl_3



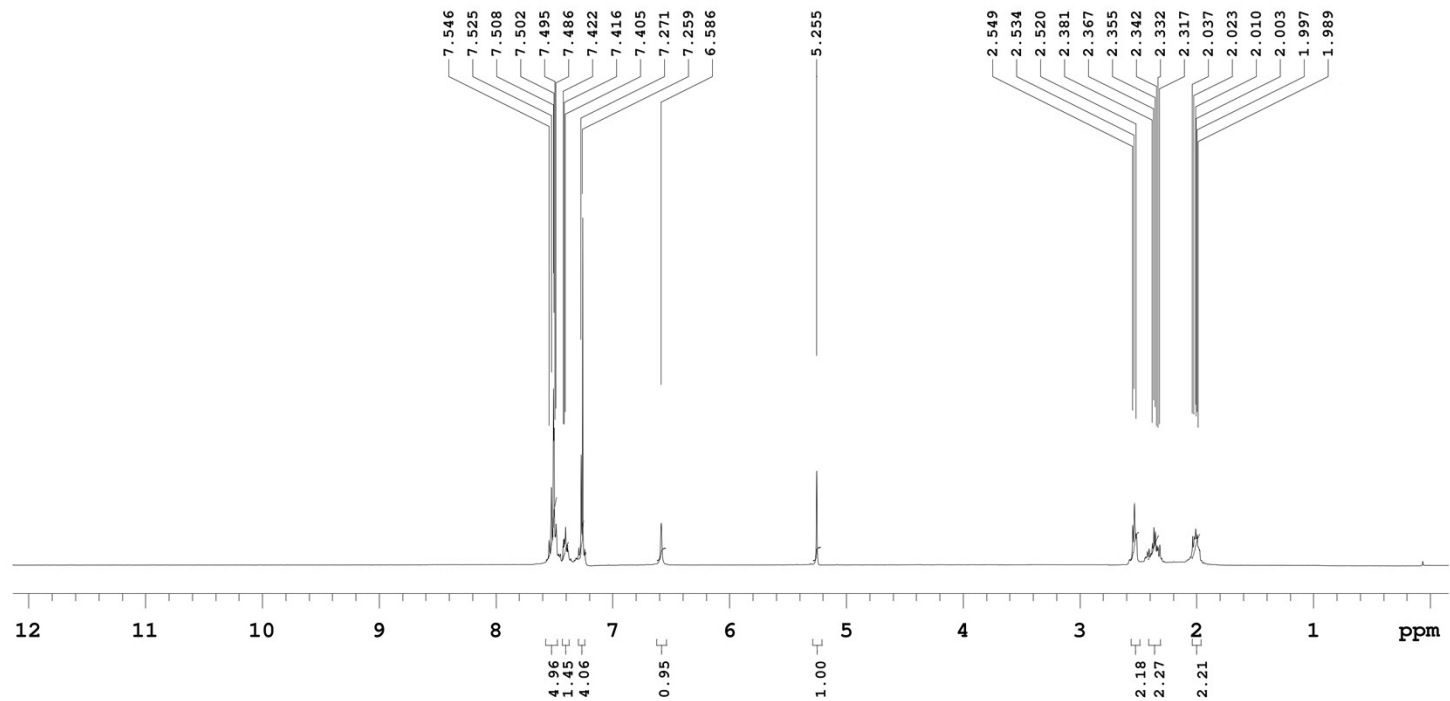
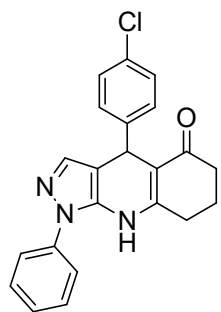
^1H NMR of **3e** in CDCl_3



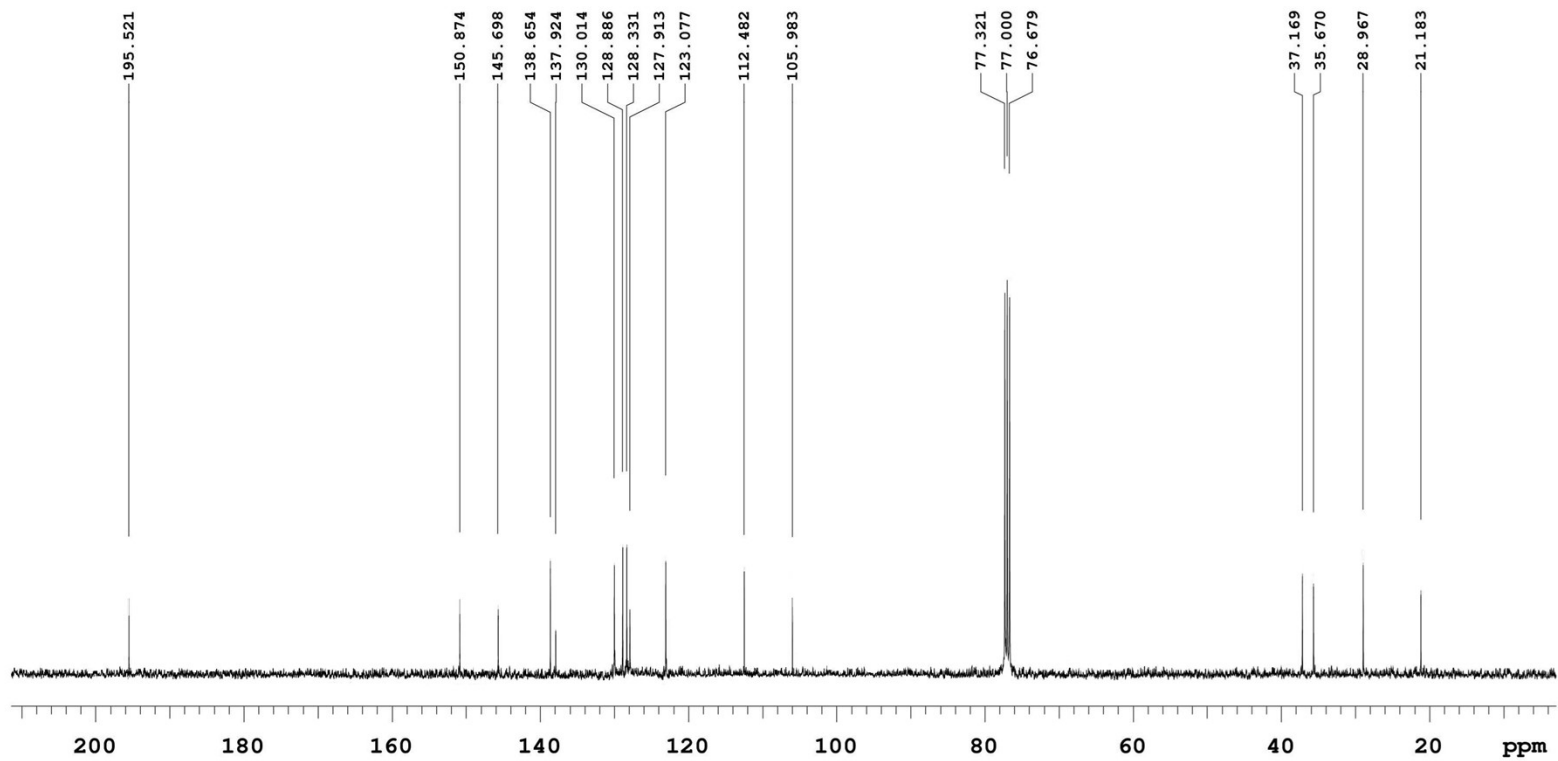
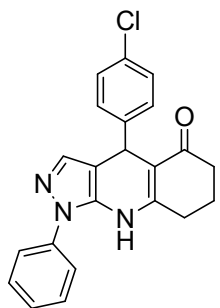
^{13}C NMR of **3e** in CDCl_3



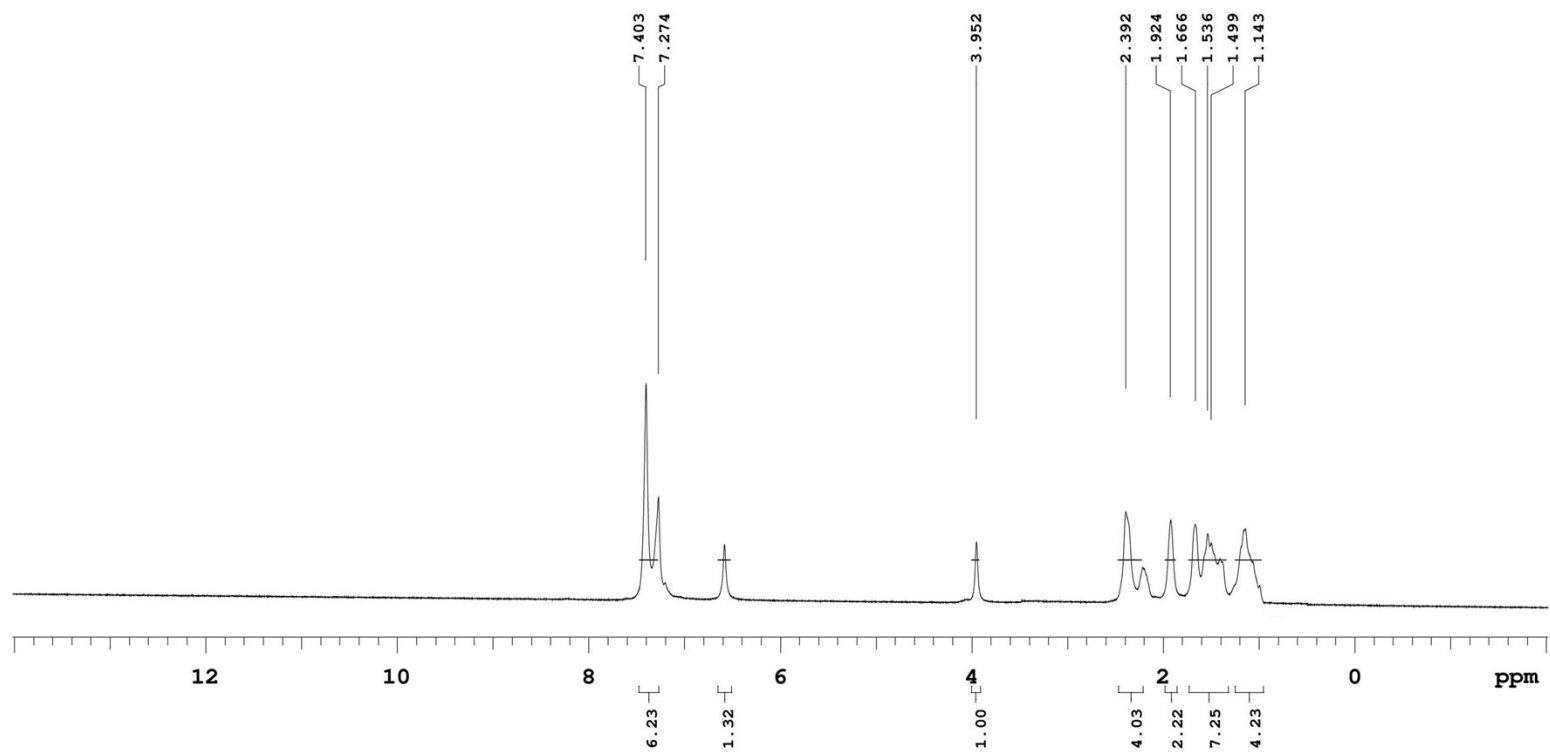
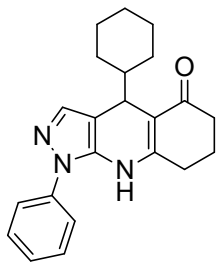
^1H NMR of **3f** in CDCl_3



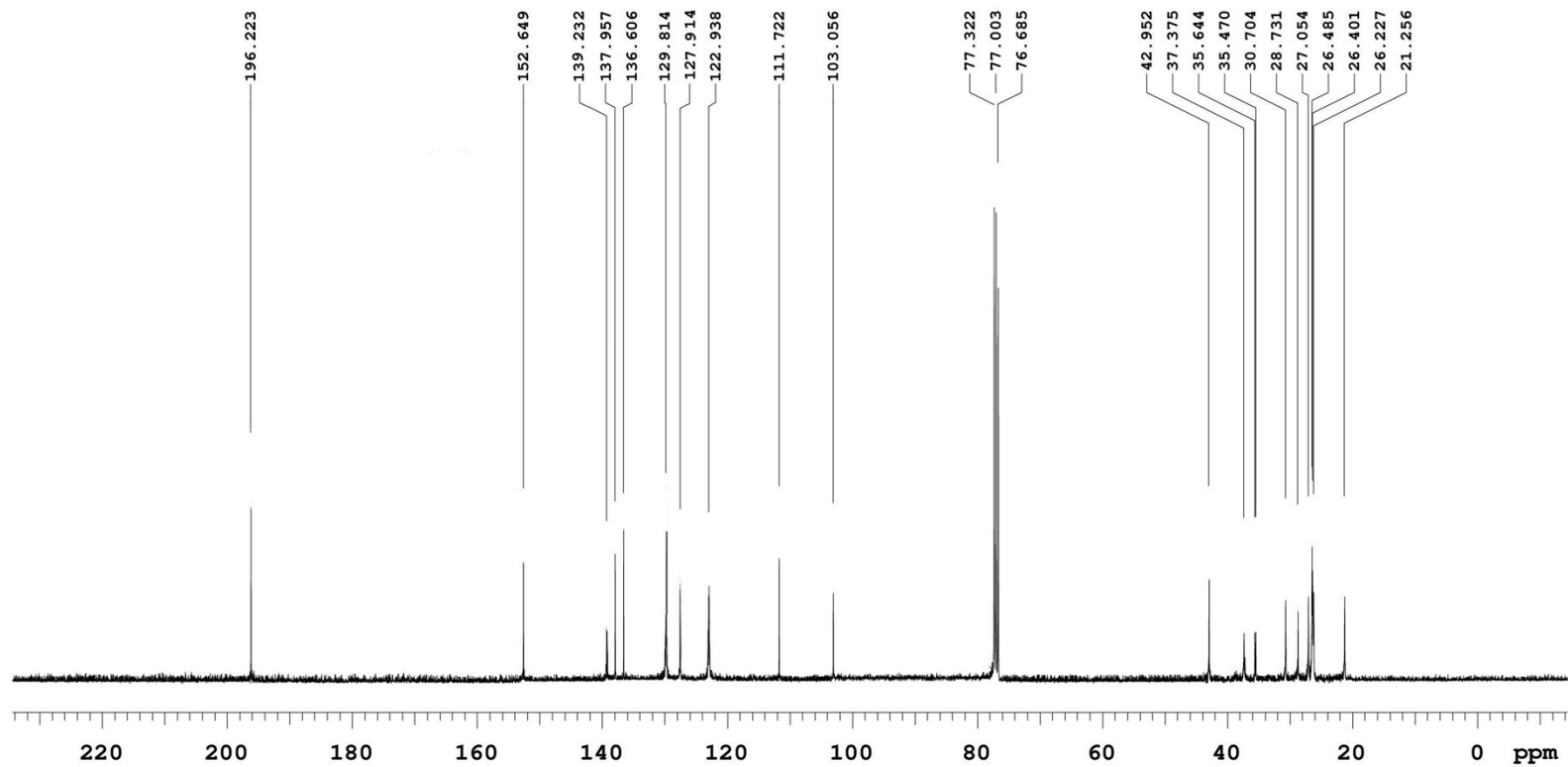
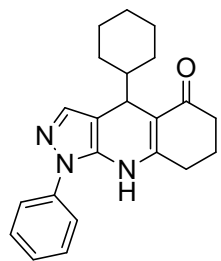
^{13}C NMR of **3f** in CDCl_3



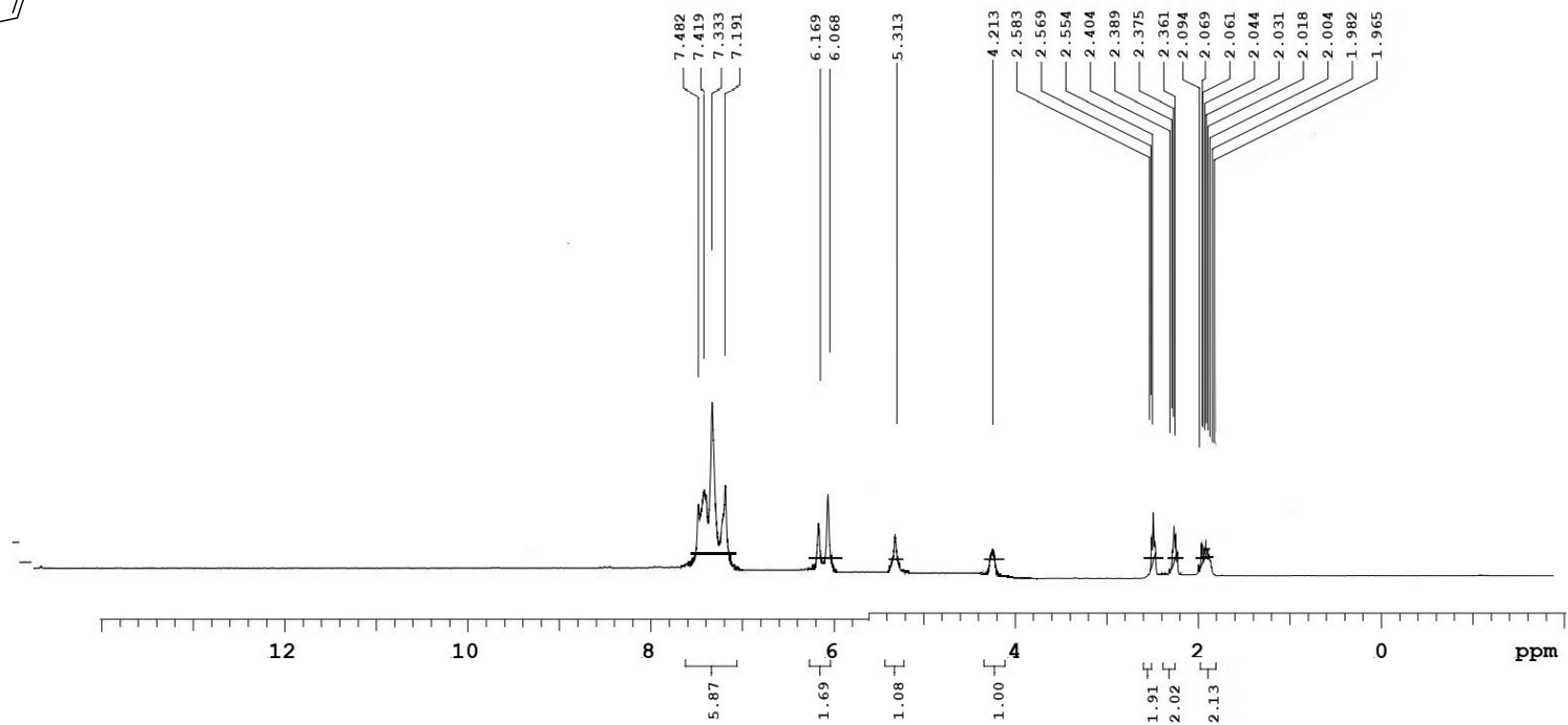
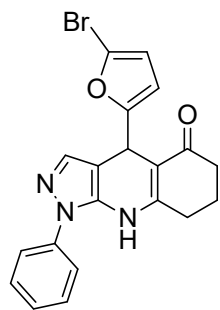
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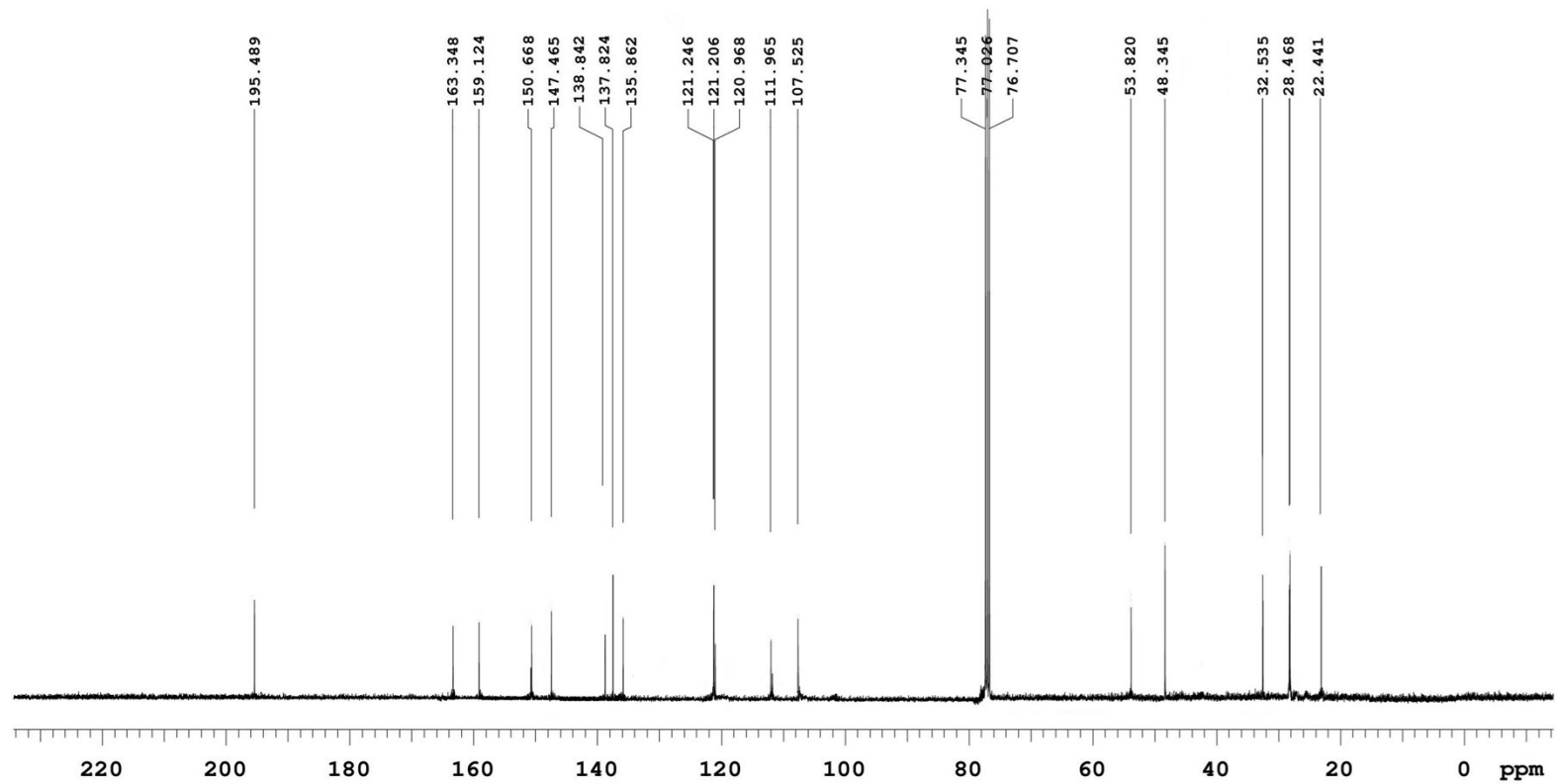
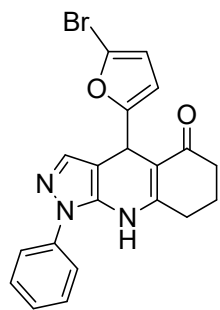
^{13}C NMR of **3g** in CDCl_3



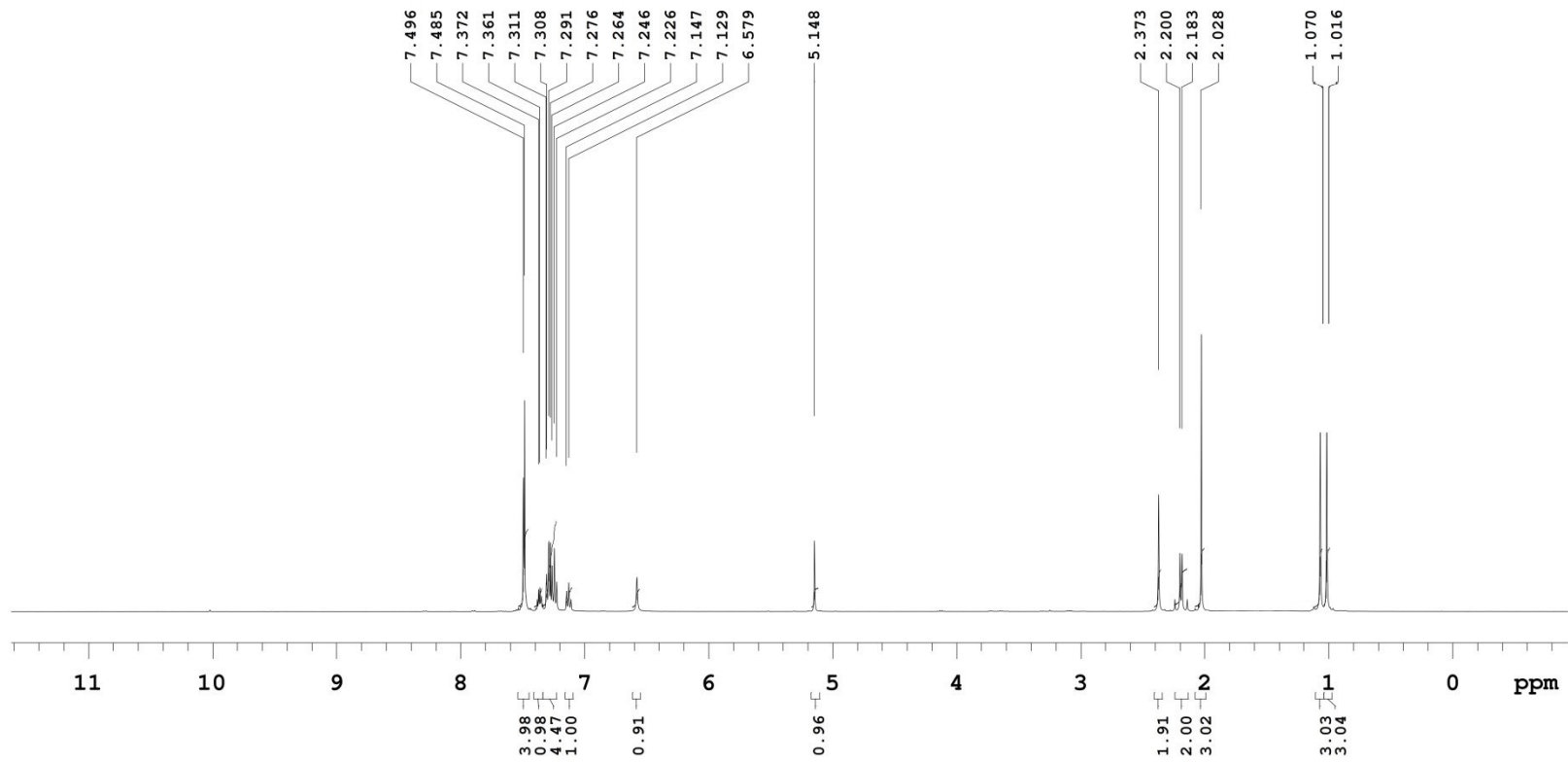
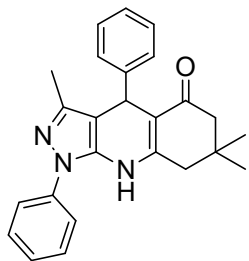
¹H NMR of **3h** in CDCl₃



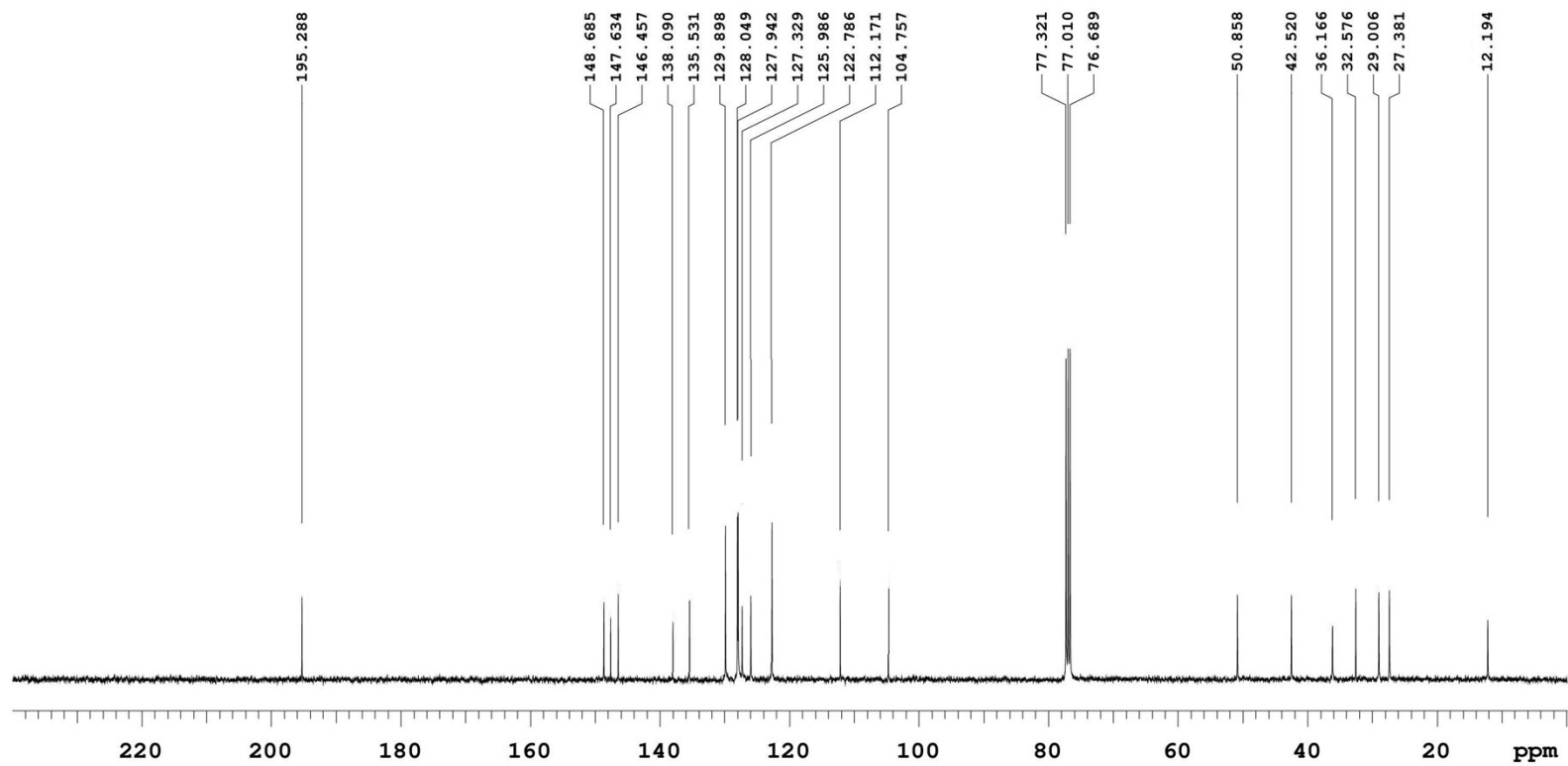
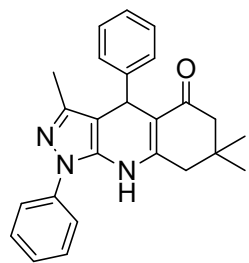
^{13}C NMR of **3h** in CDCl_3



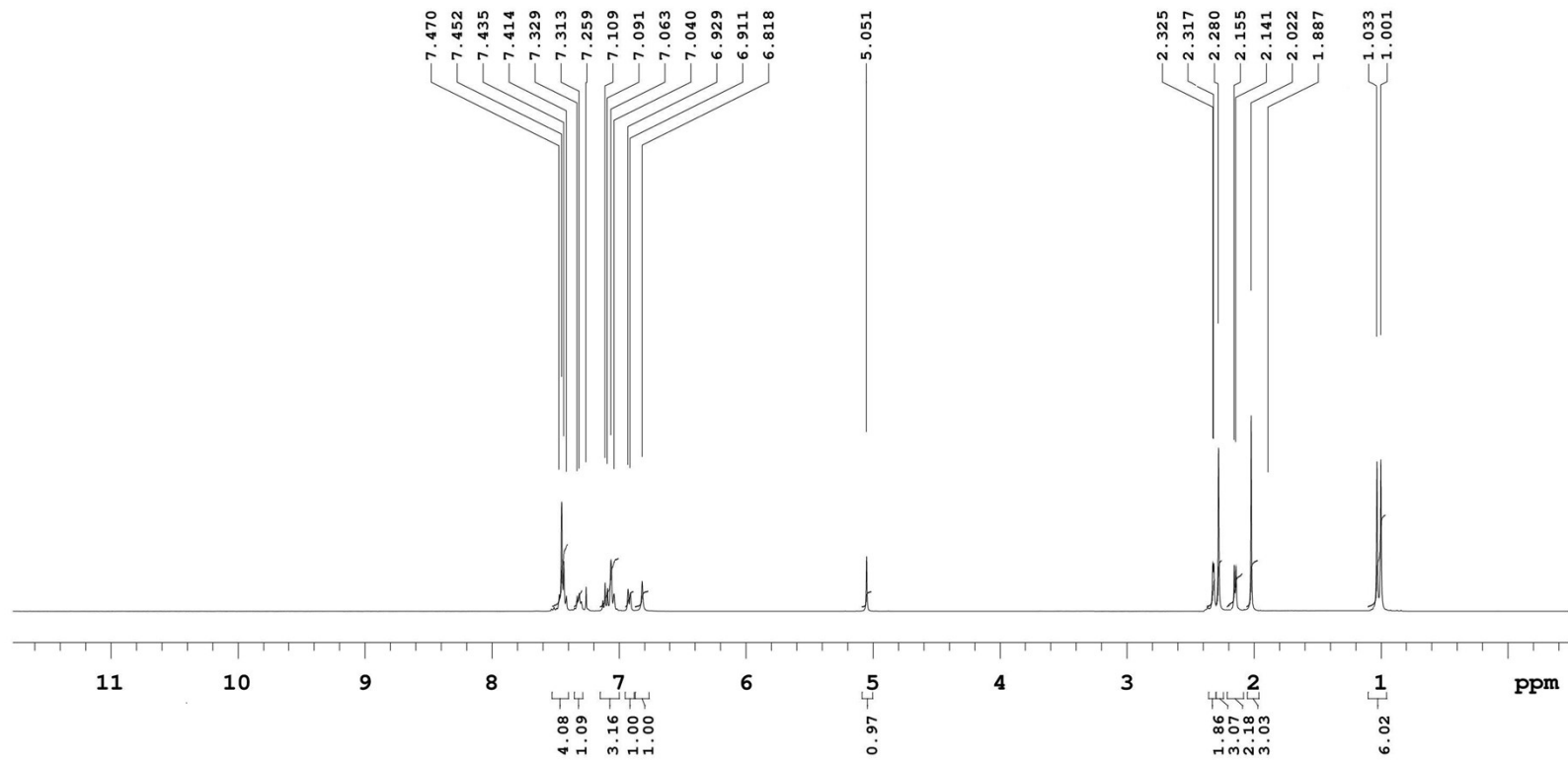
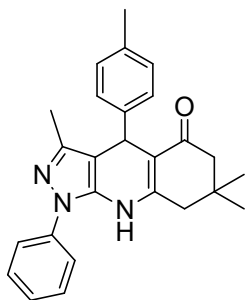
¹H NMR of **4a** in CDCl₃



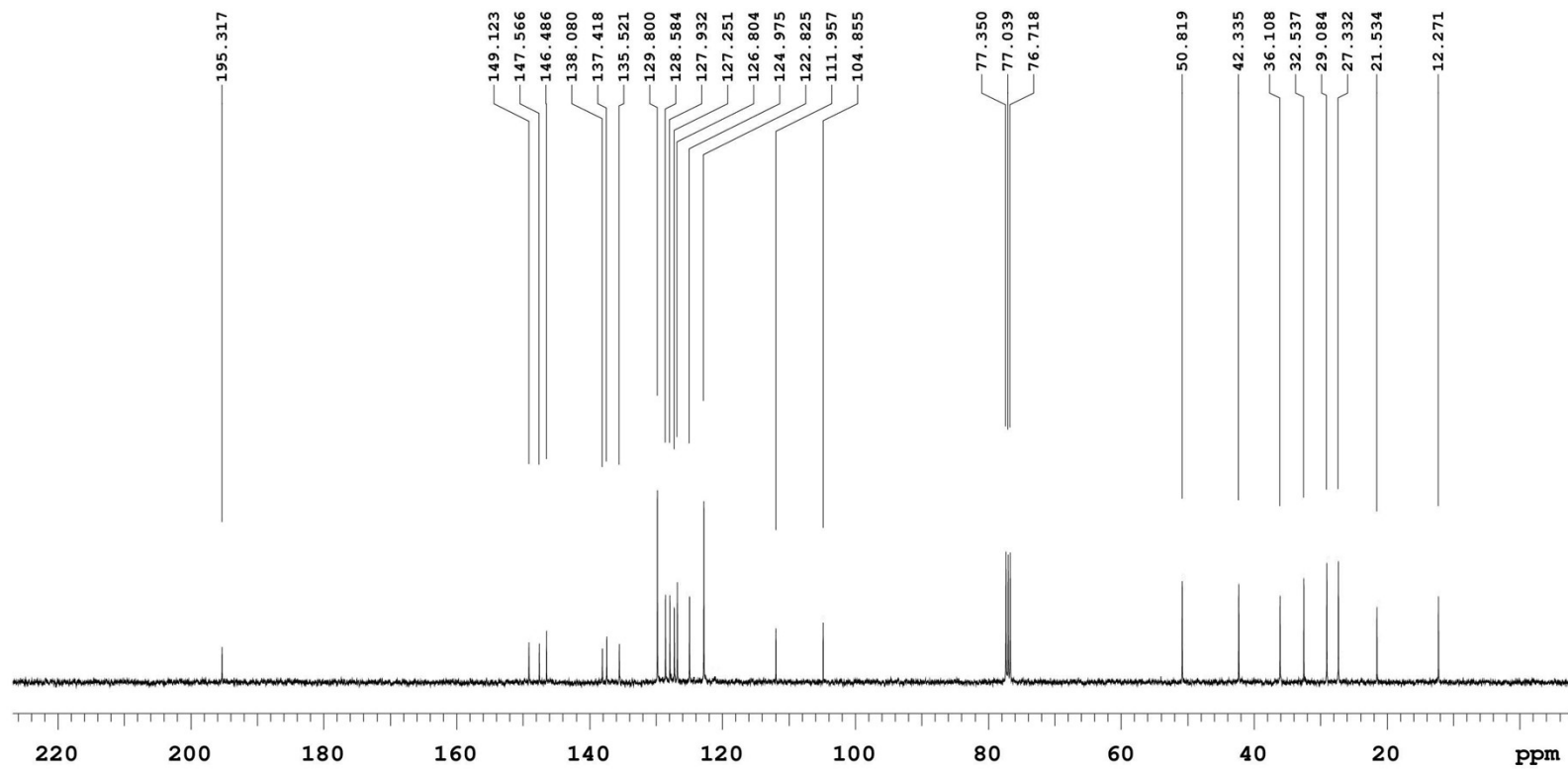
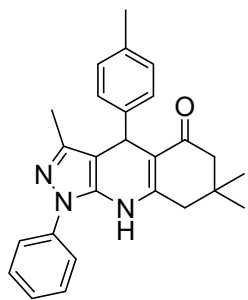
^{13}C NMR of **4a** in CDCl_3



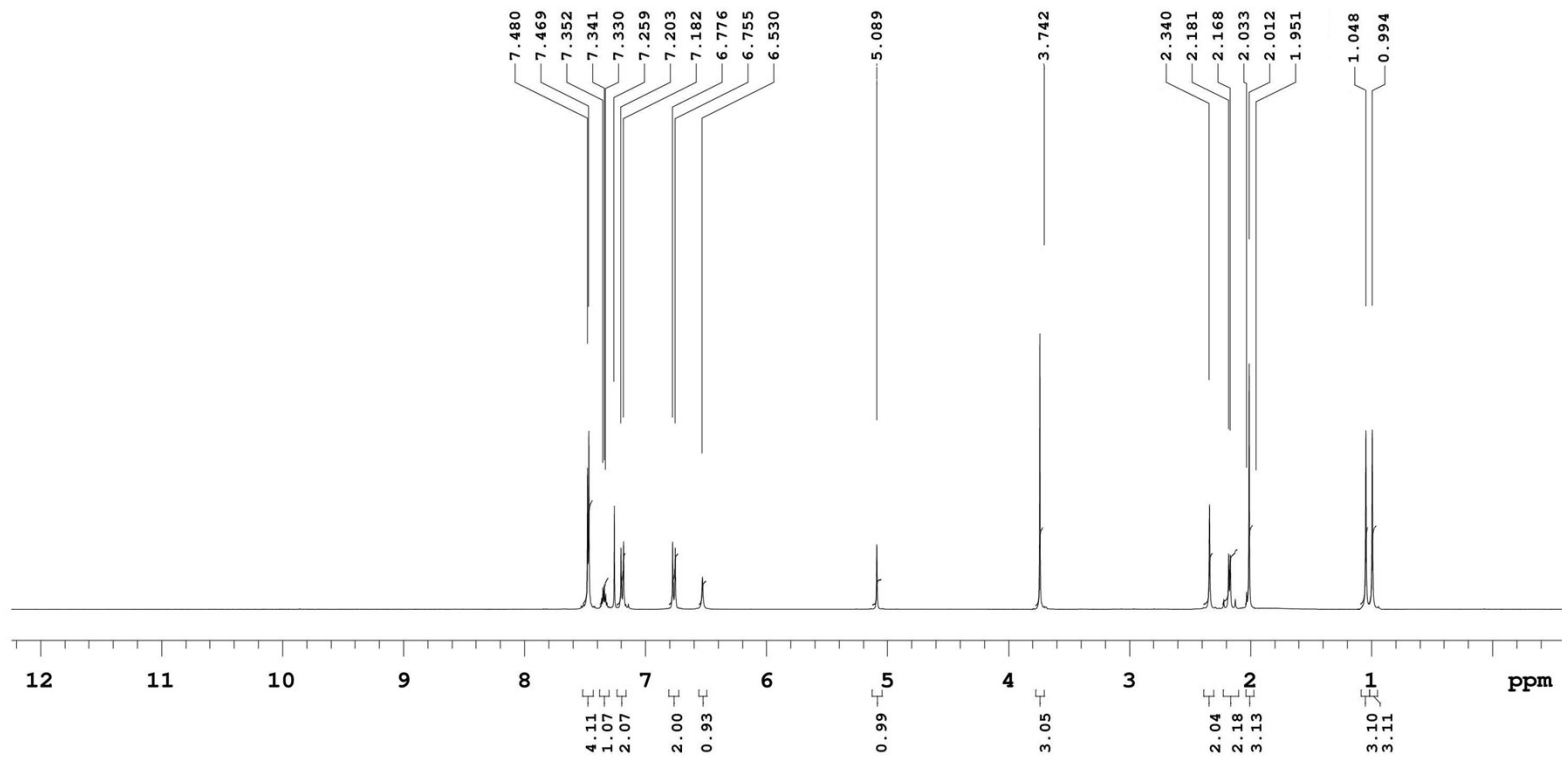
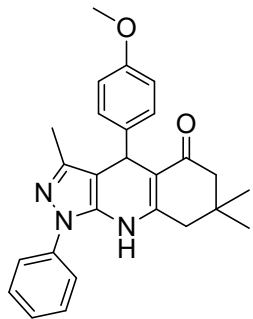
¹H NMR of **4b** in CDCl₃



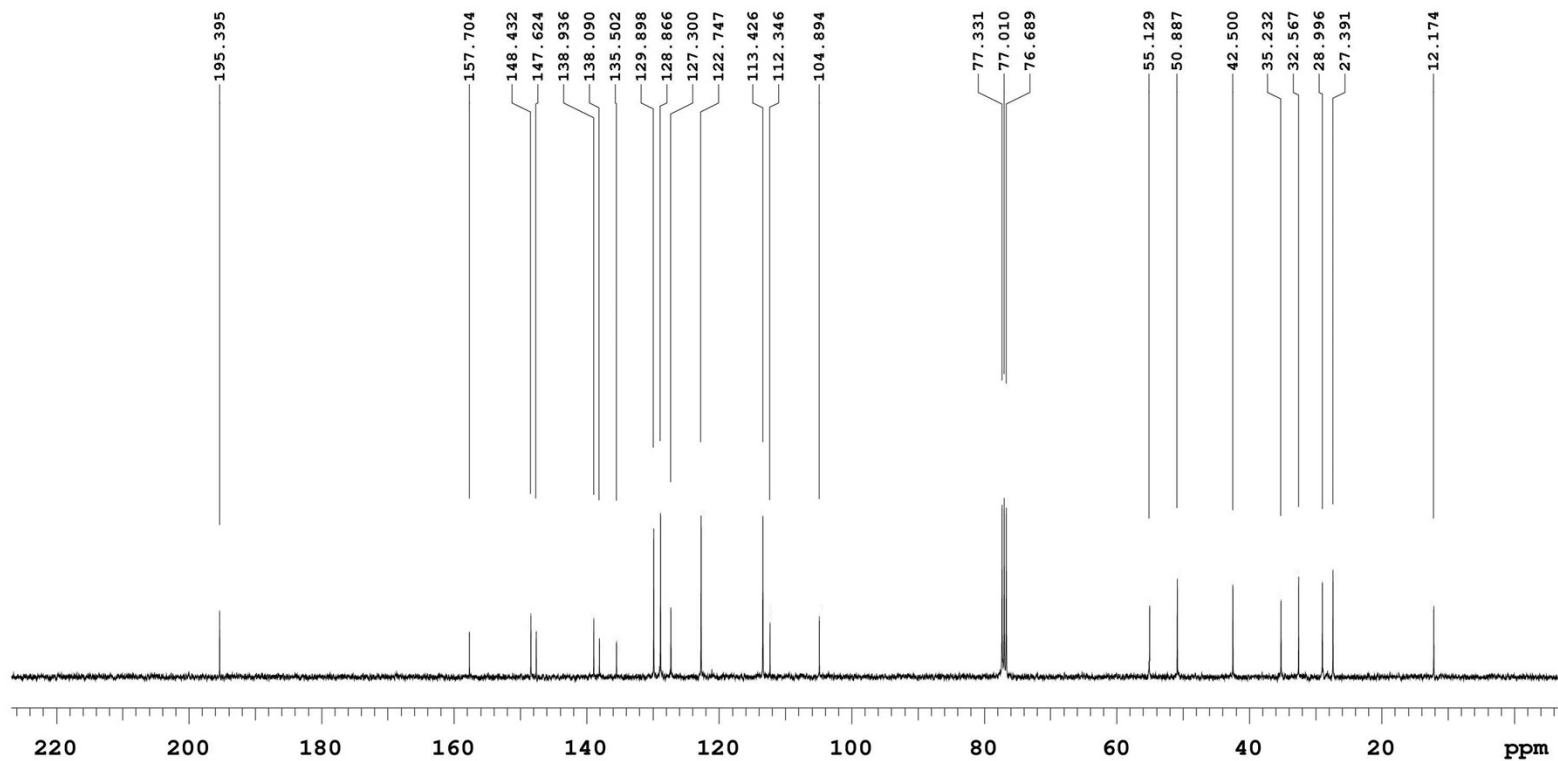
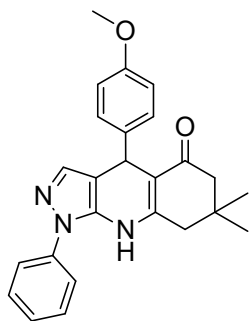
¹³C NMR of **4b** in CDCl₃



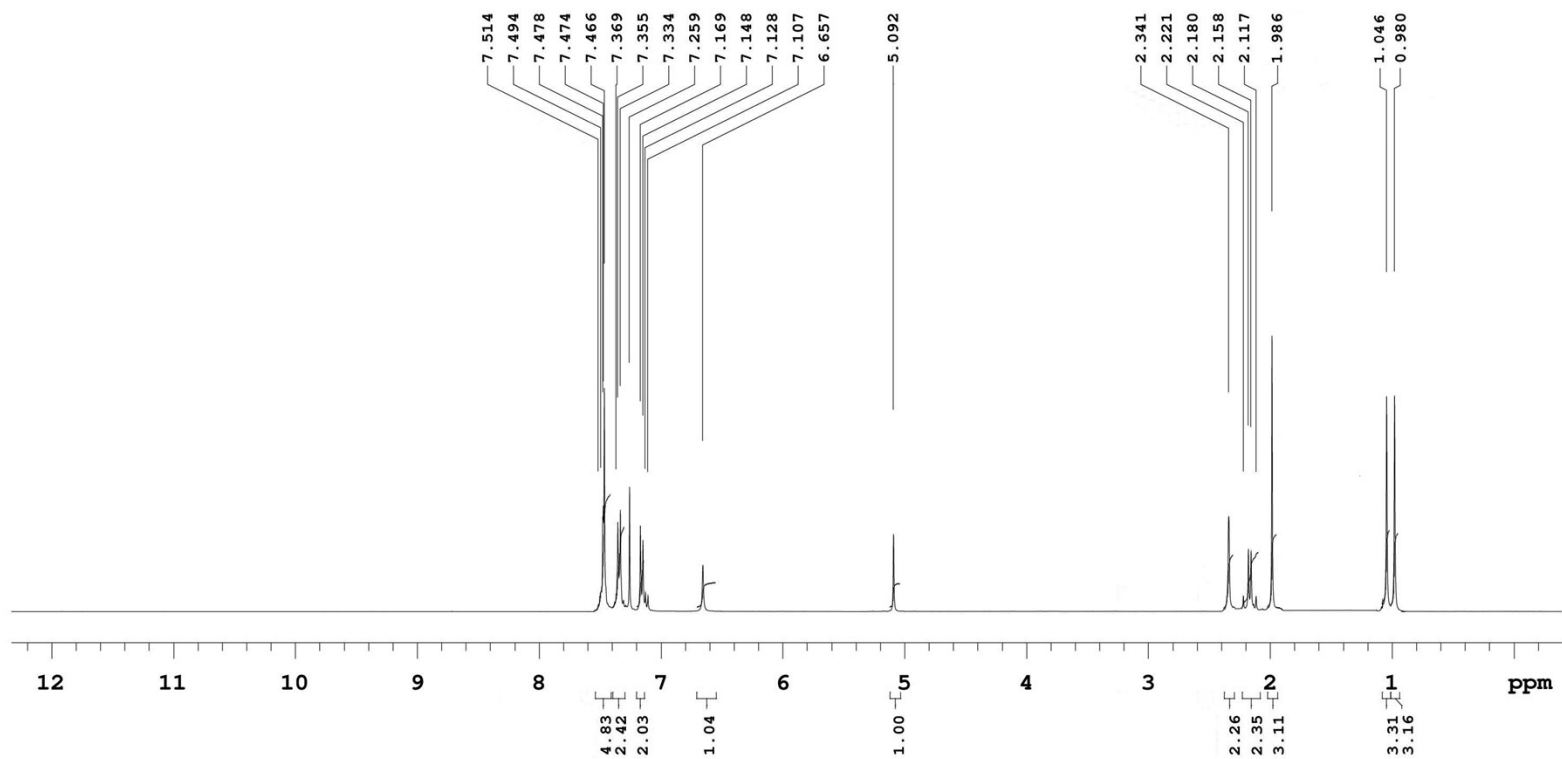
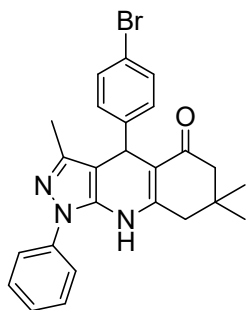
¹H NMR of **4c** in CDCl₃



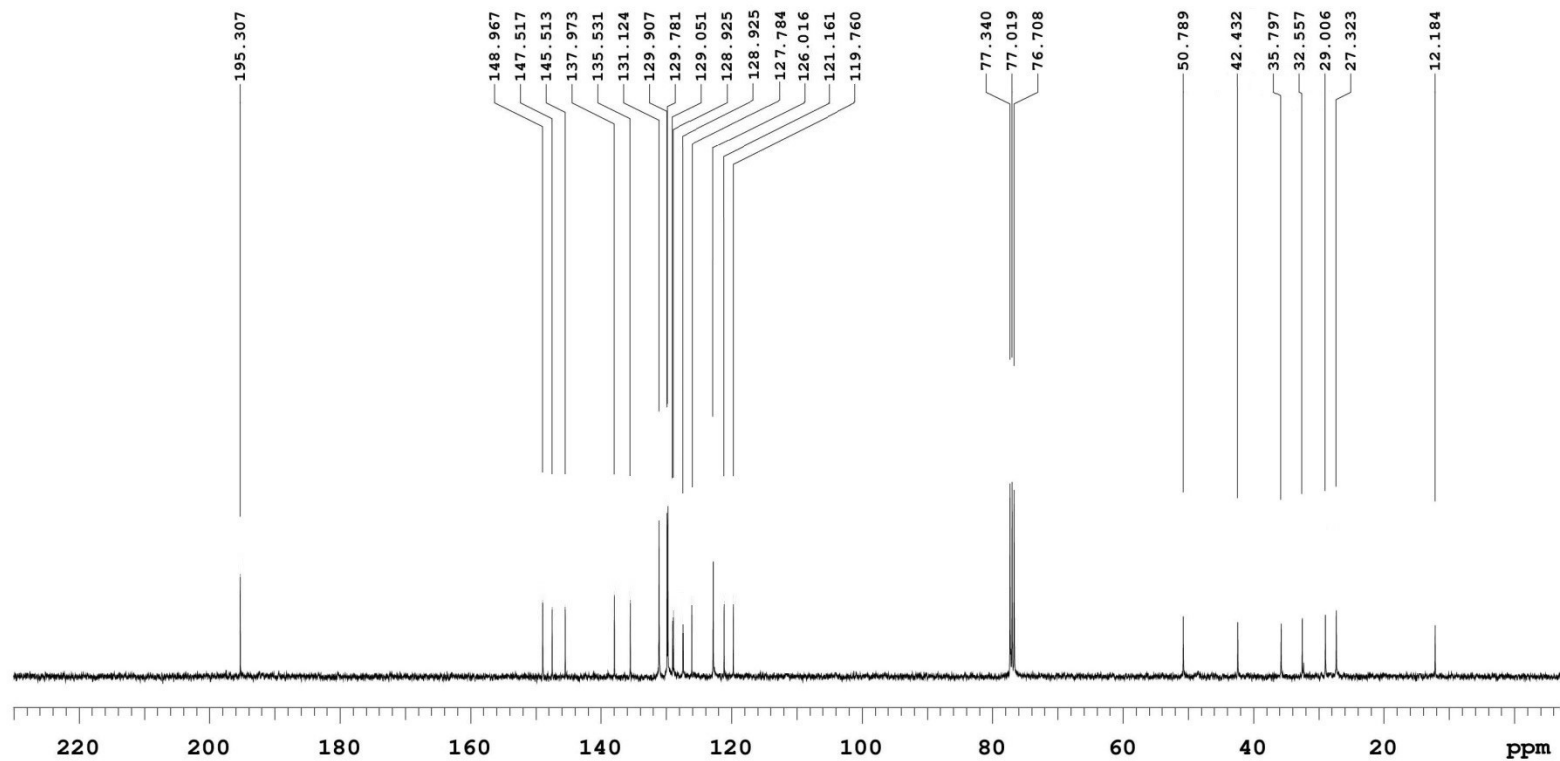
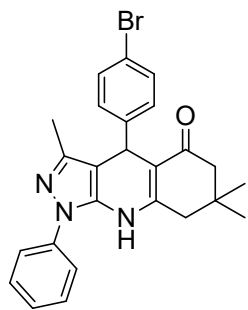
^{13}C NMR of **4c** in CDCl_3



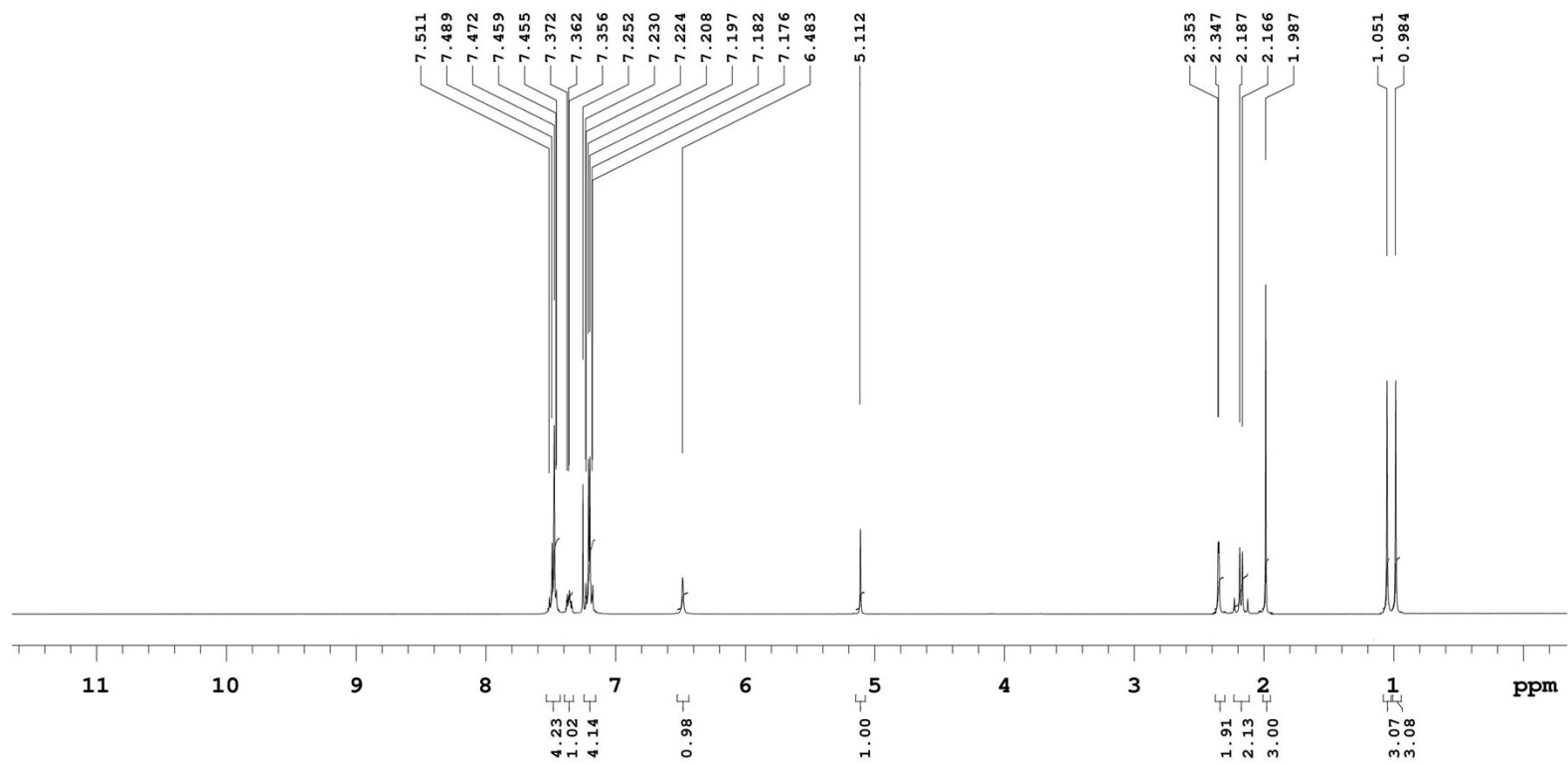
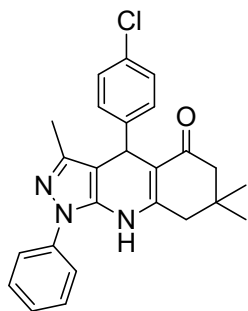
^1H NMR of **4d** in CDCl_3



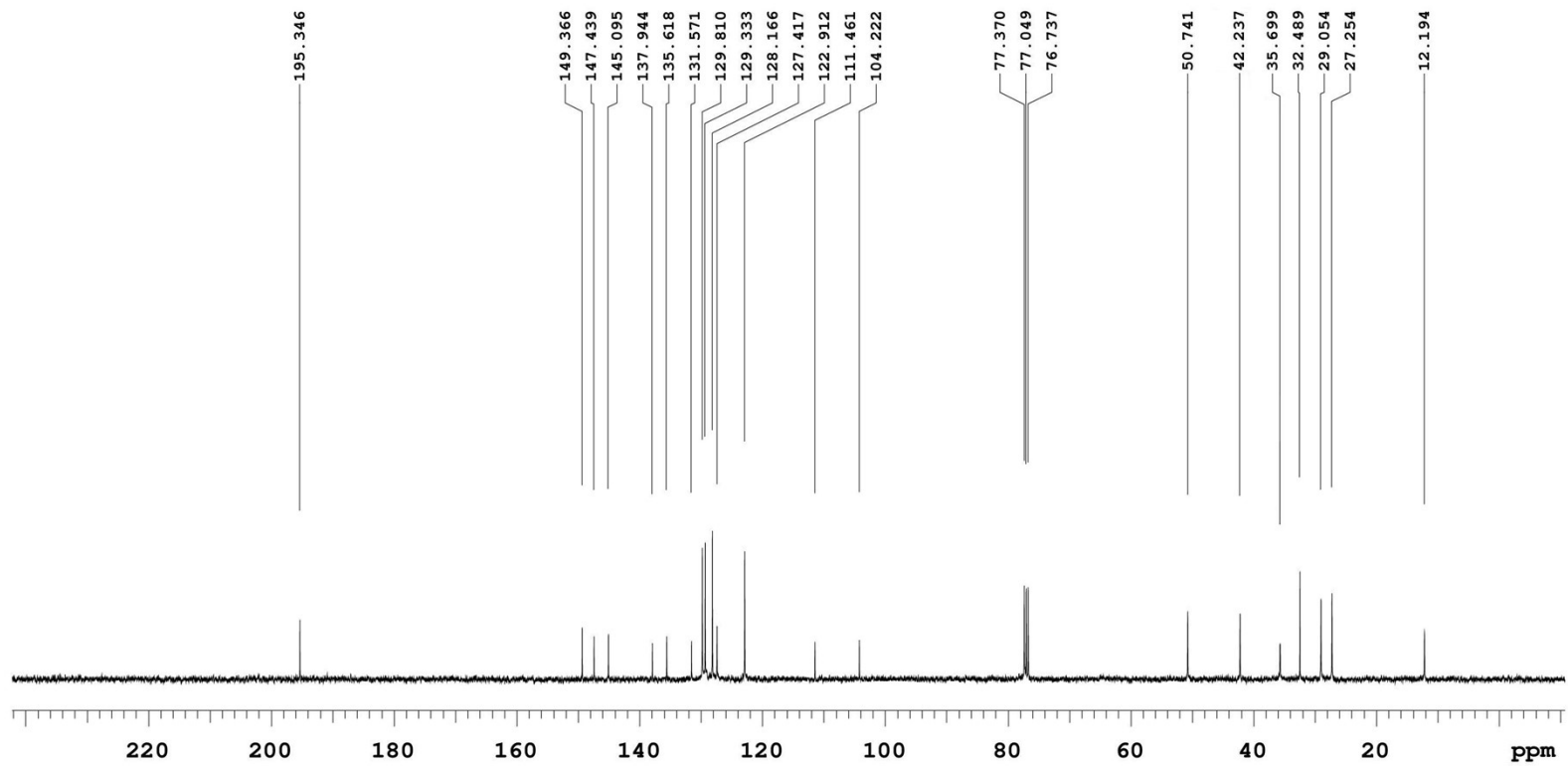
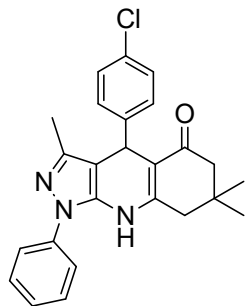
^{13}C NMR of **4d** in CDCl_3



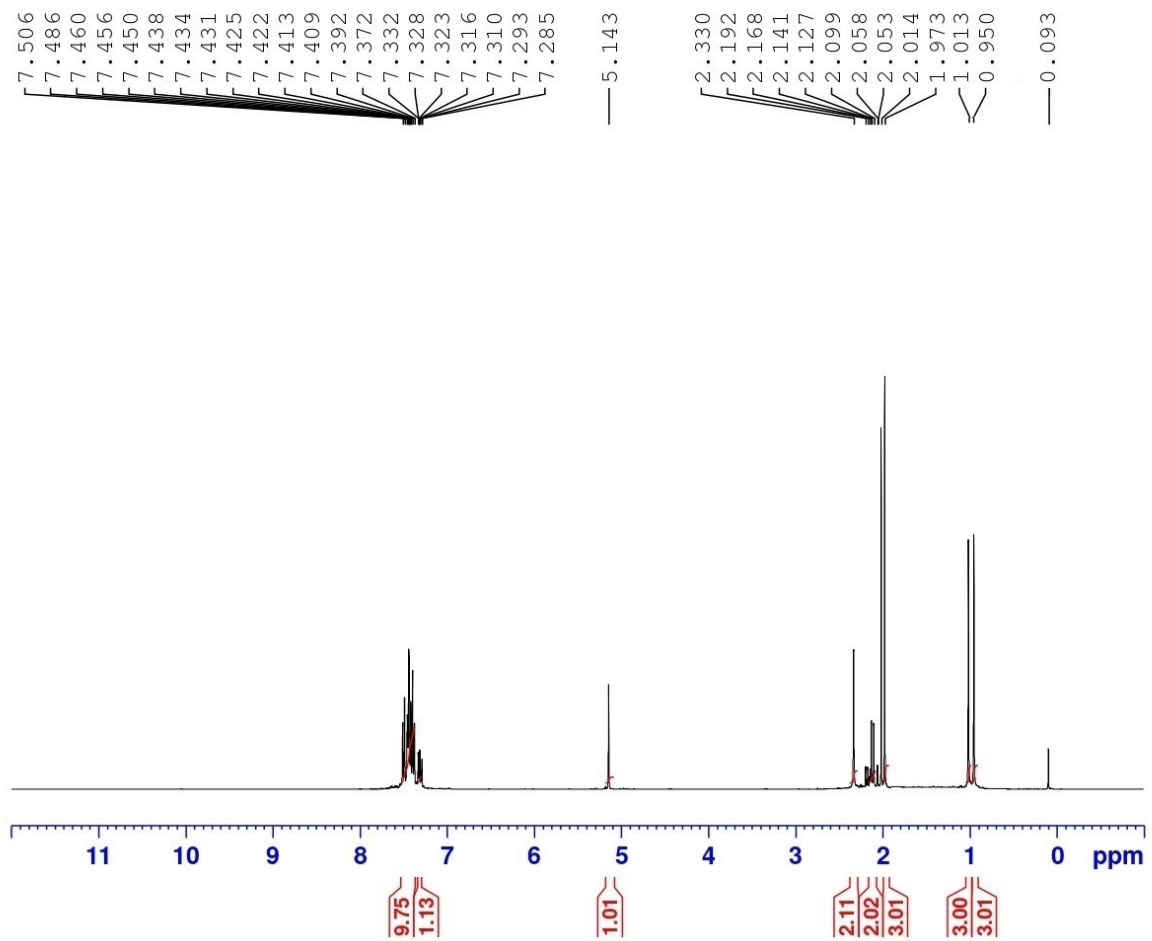
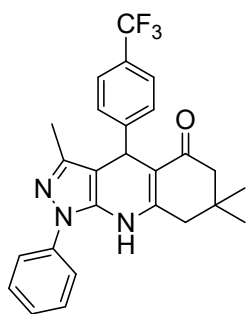
¹H NMR of **4e** in CDCl₃



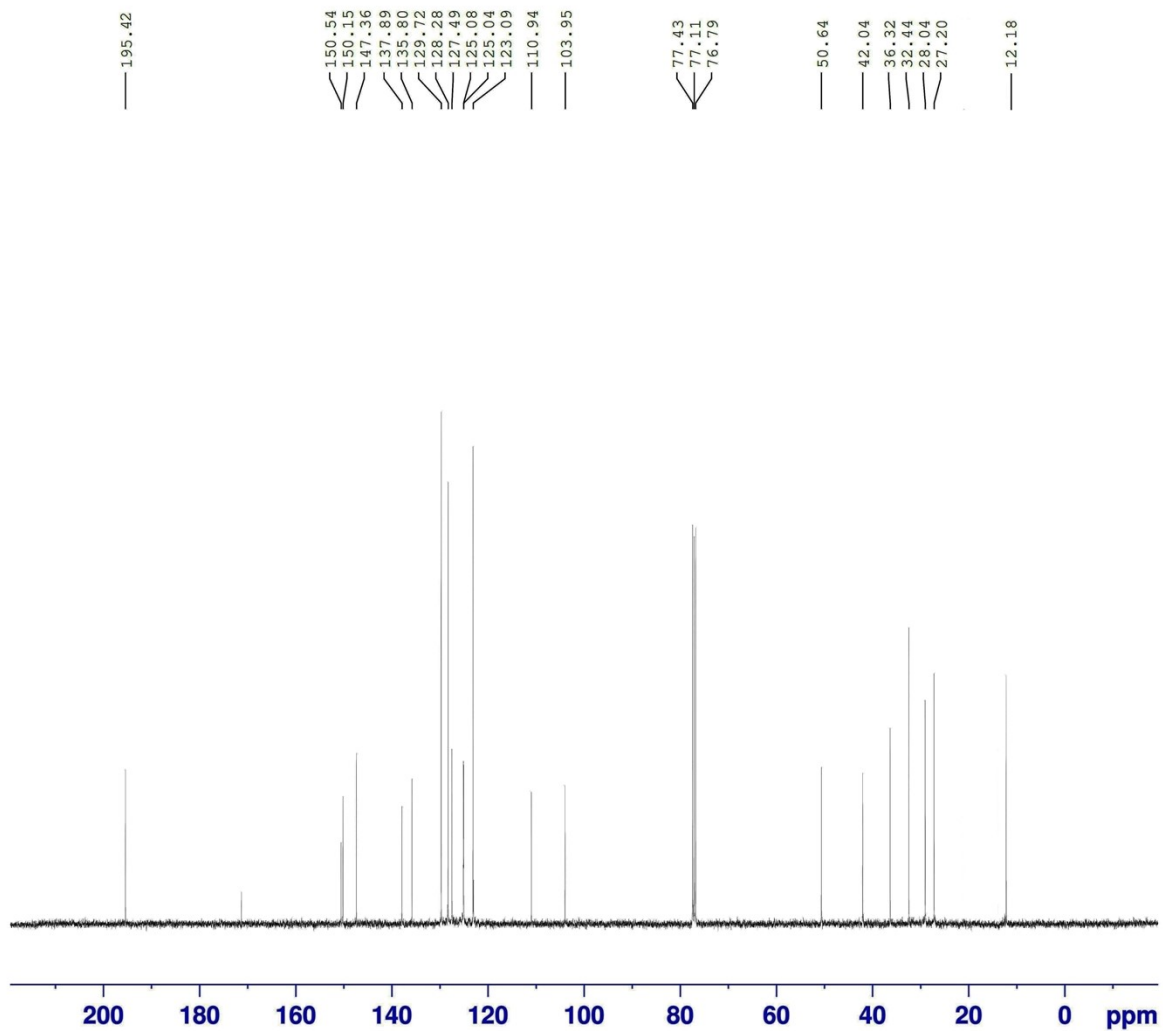
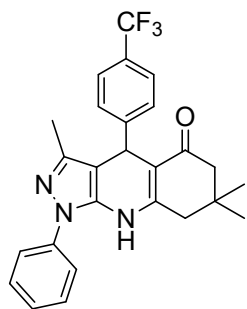
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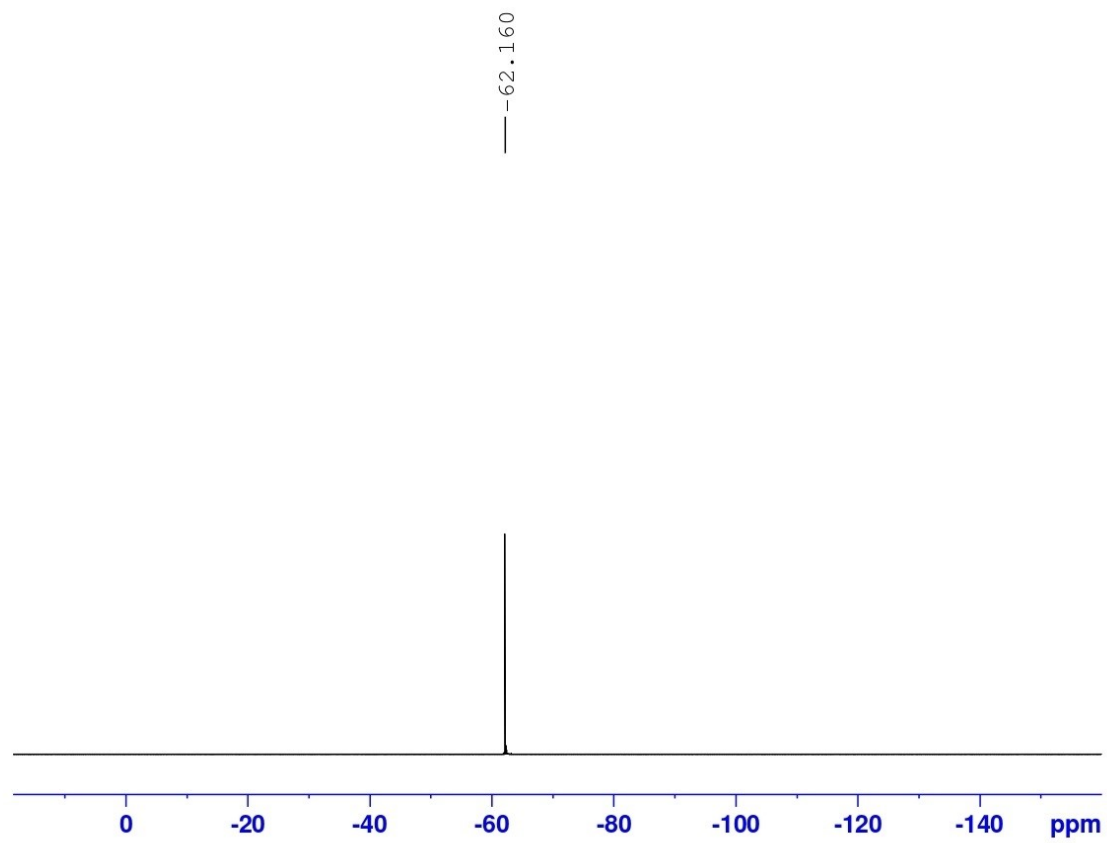
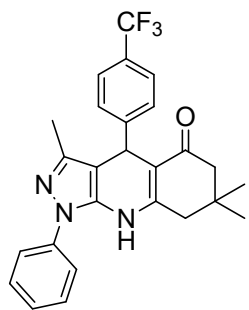
¹H NMR of **4f** in CDCl₃



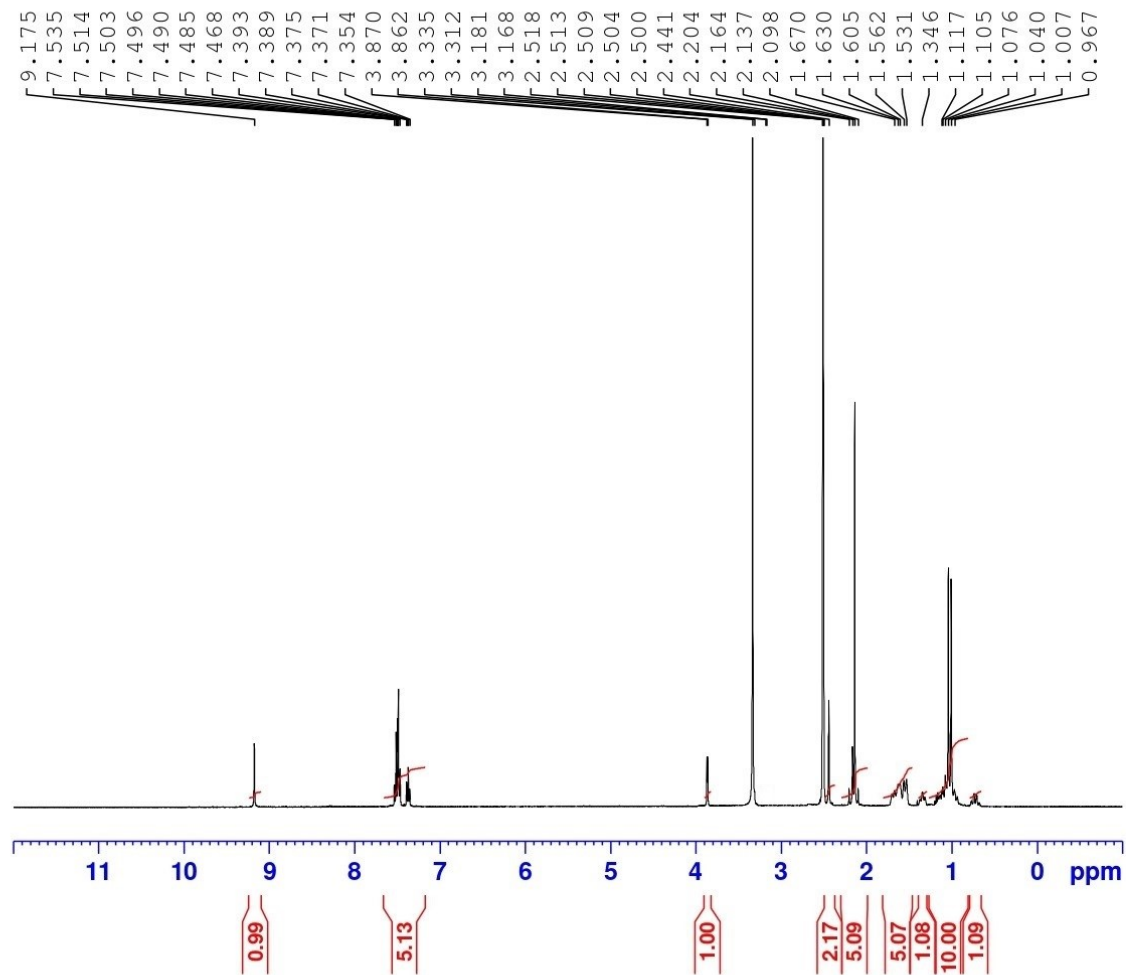
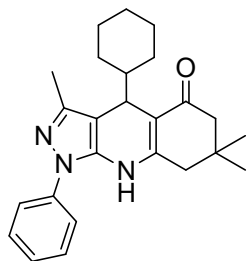
^{13}C NMR of **4f** in CDCl_3



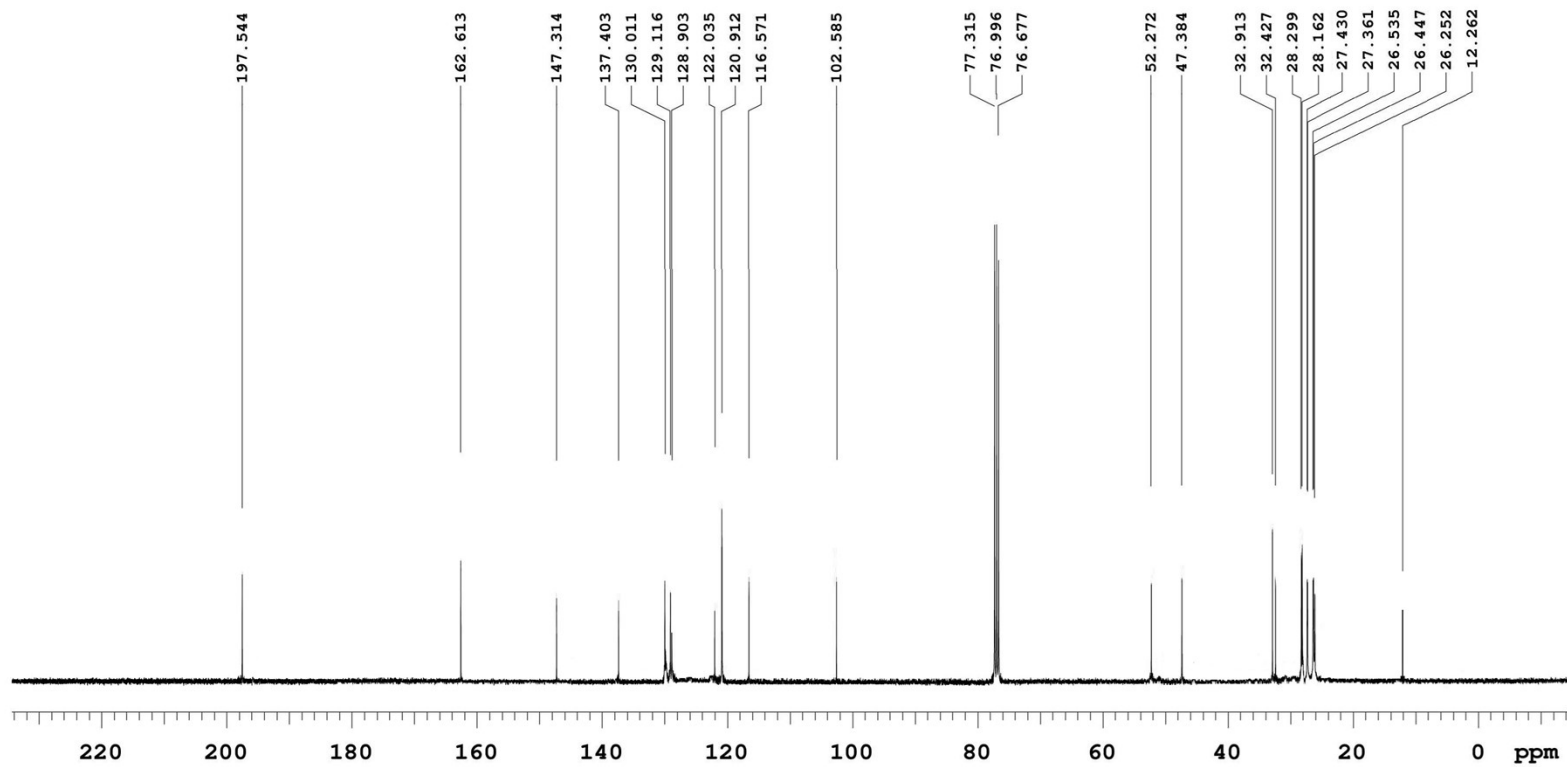
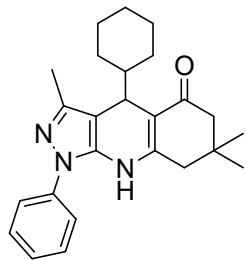
^{19}F NMR of **4e** in CDCl_3



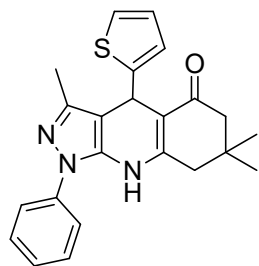
¹H NMR of **4g** in DMSO-d₆



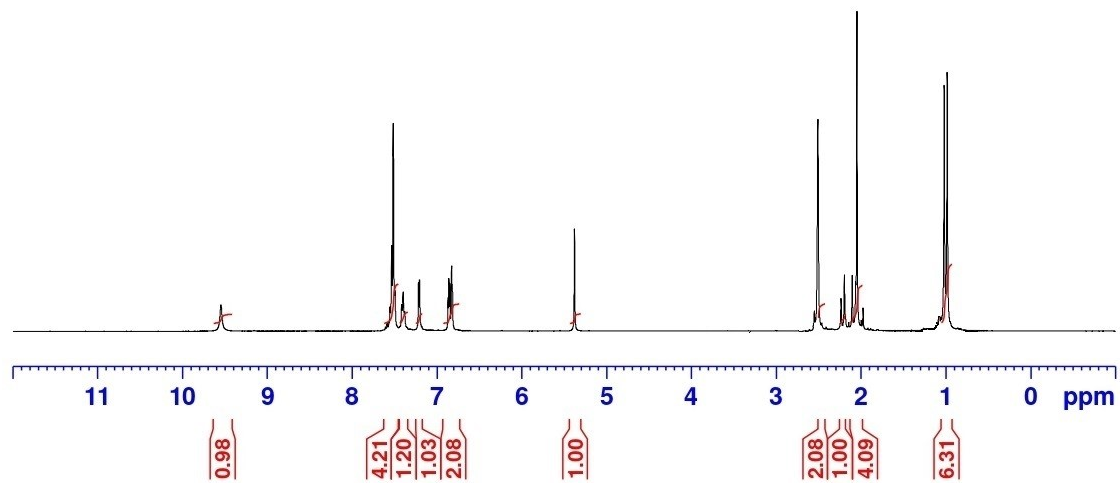
^{13}C NMR of **4g** in CDCl_3



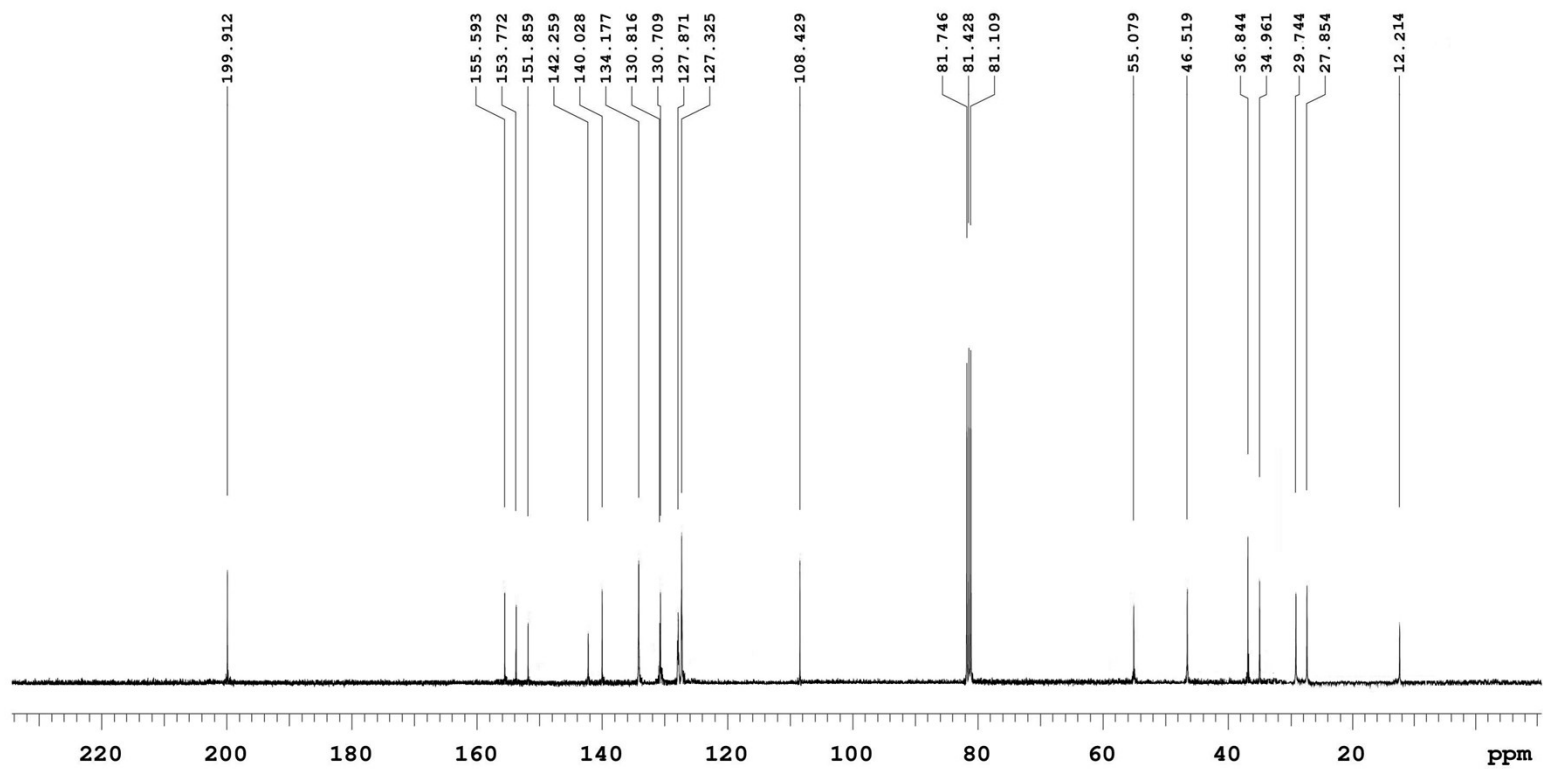
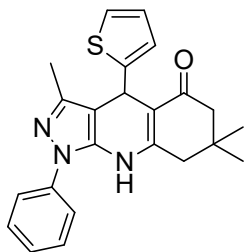
¹H NMR of **4h** in DMSO-d₆



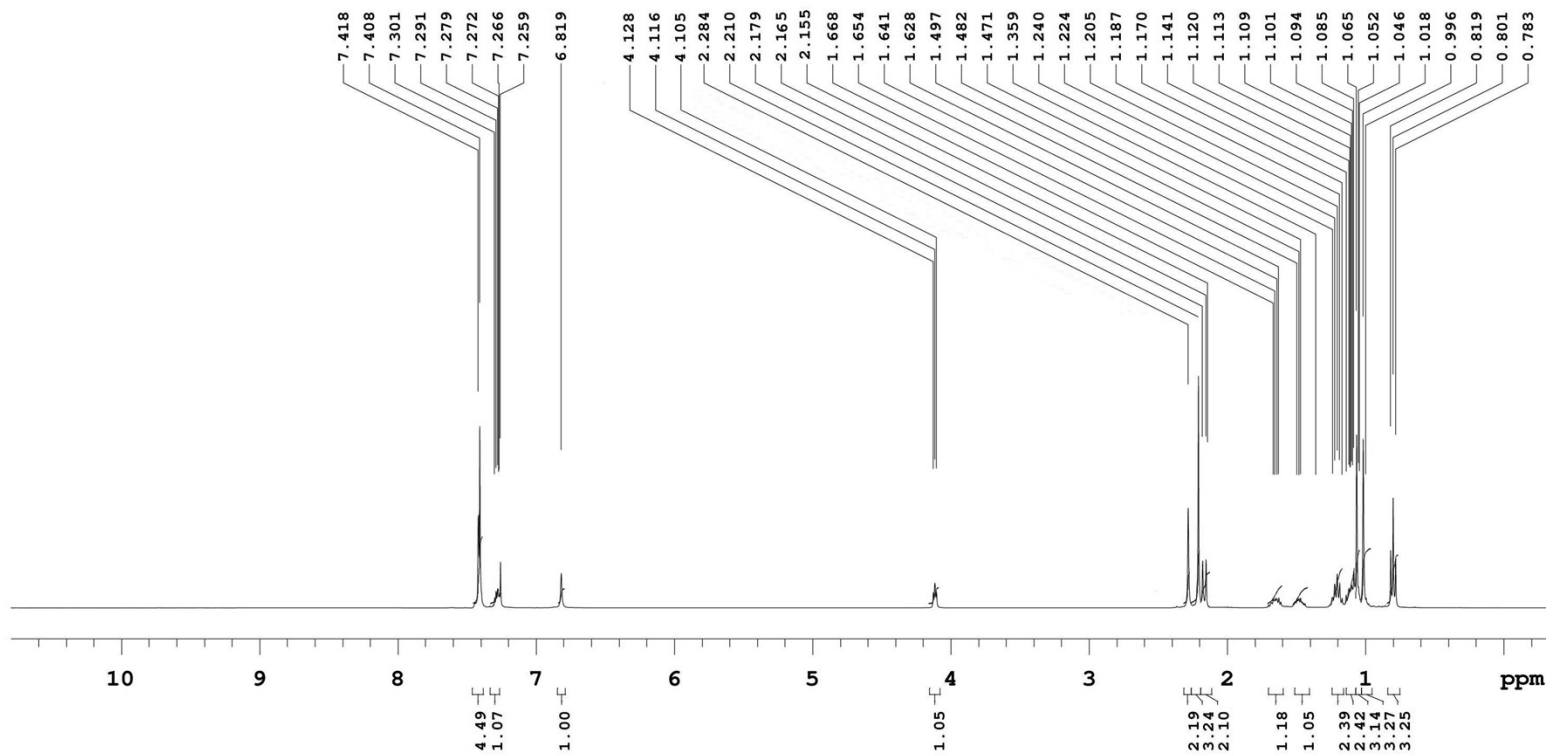
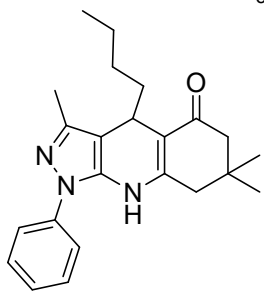
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7.414
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6.867
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6.846
6.825
6.819
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2.102
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2.047
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1.018
0.983



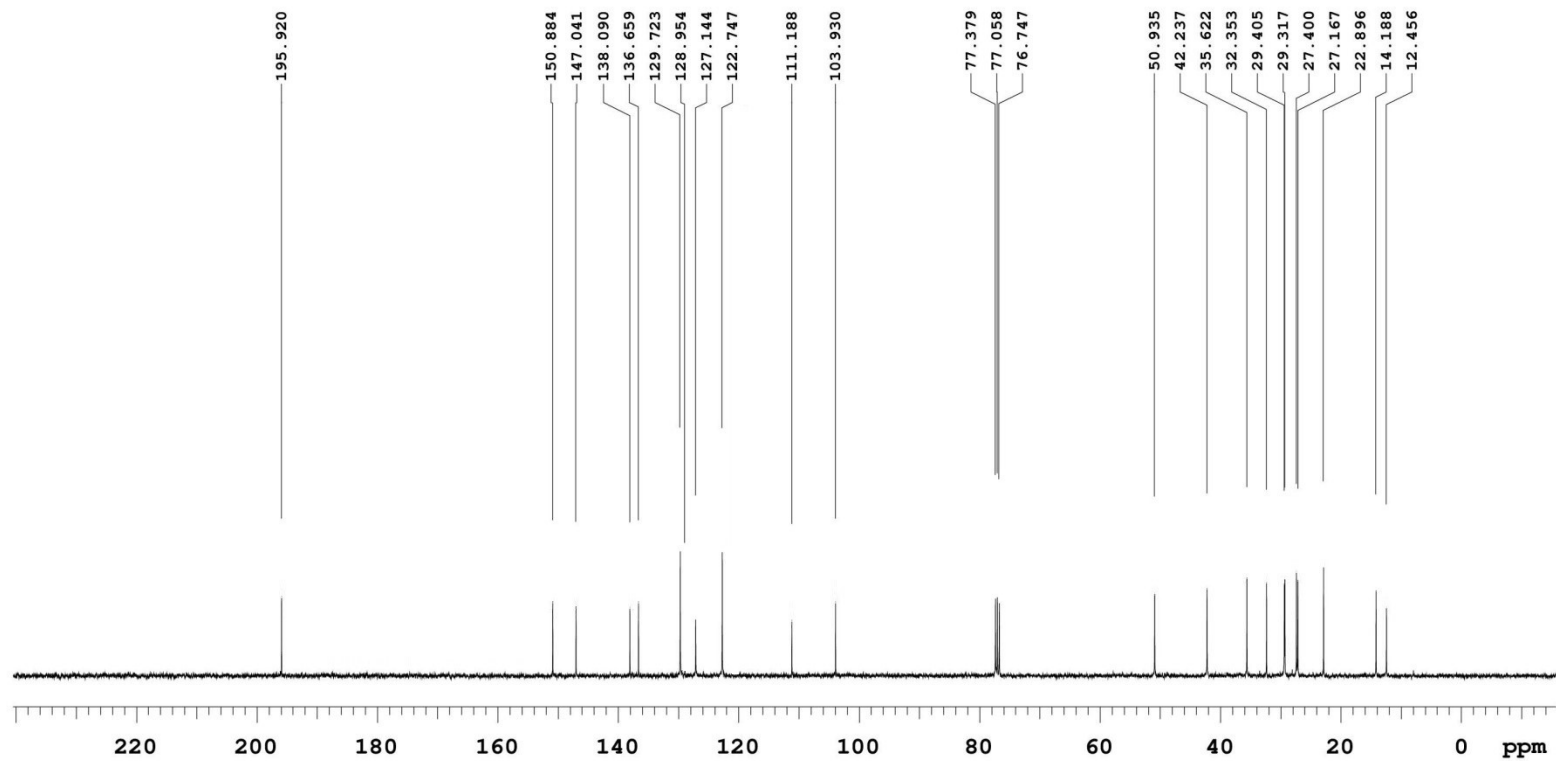
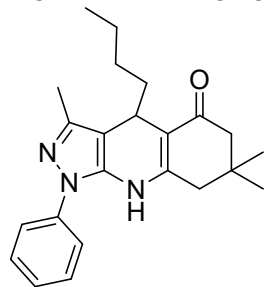
^{13}C NMR of **4h** in CDCl_3



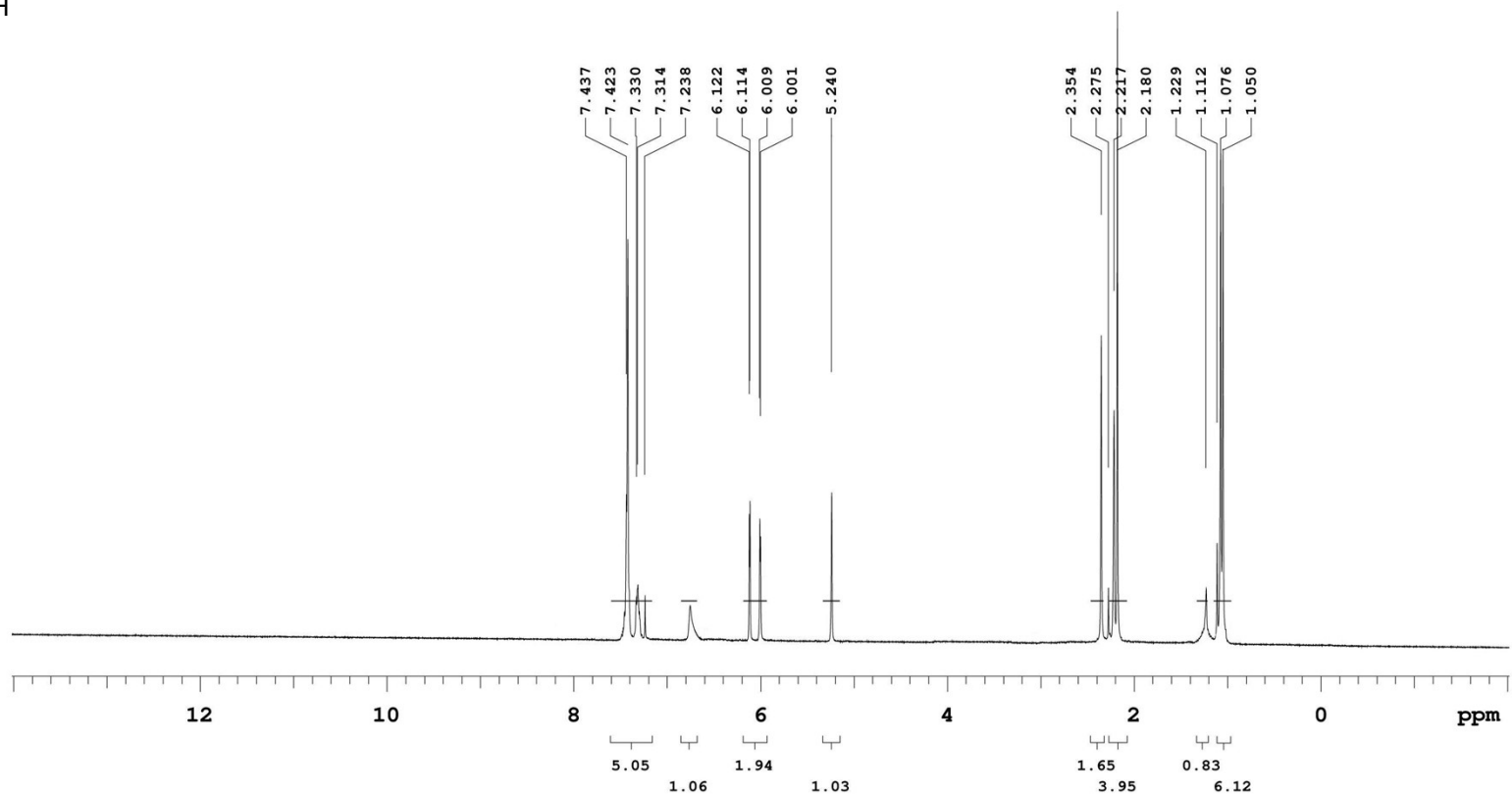
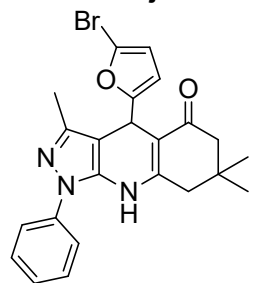
¹H NMR of **4i** in CDCl₃



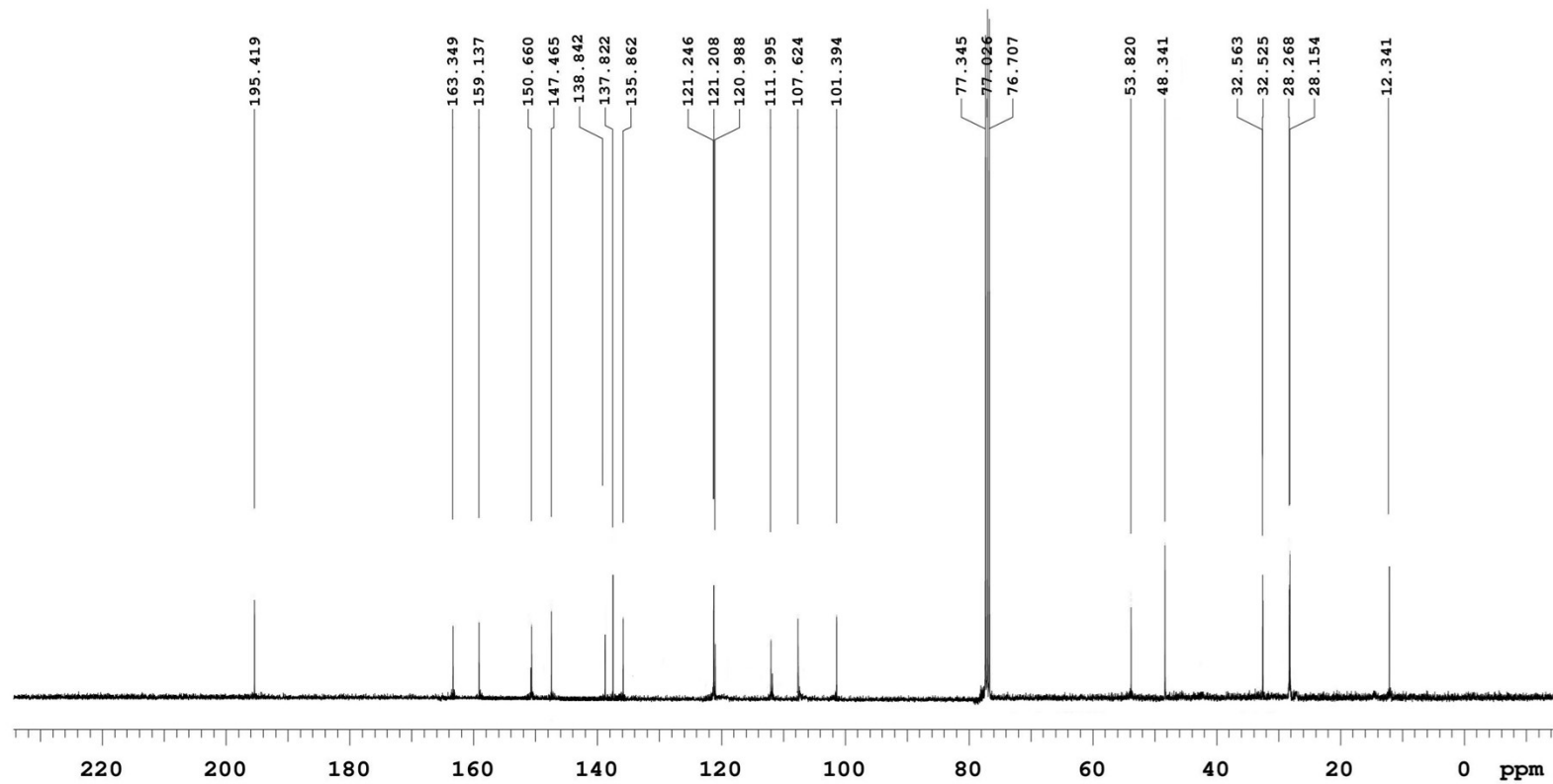
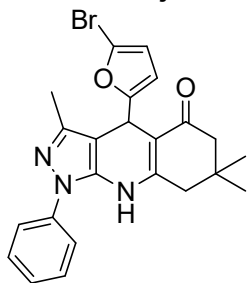
^{13}C NMR of **4i** in CDCl_3



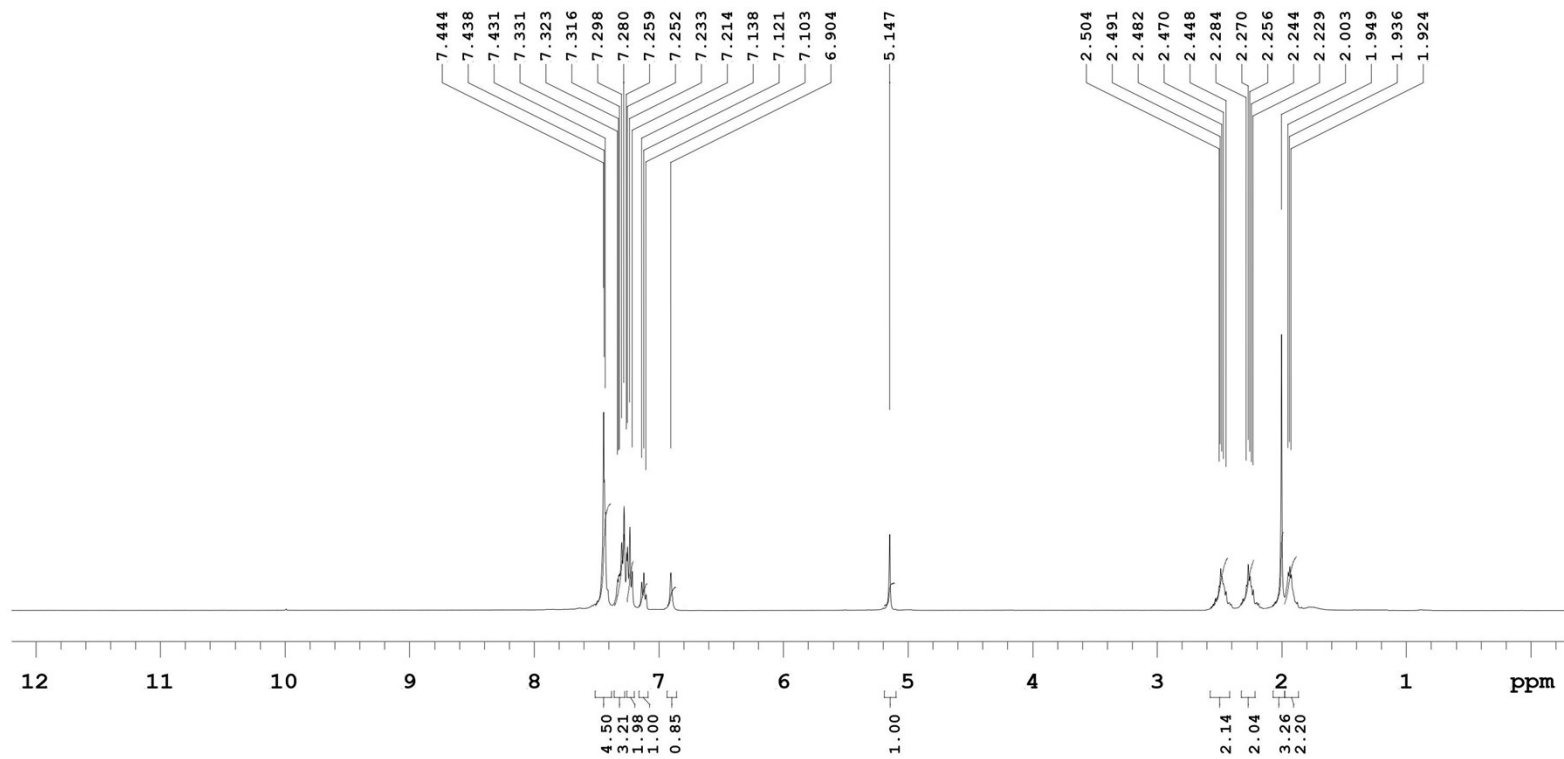
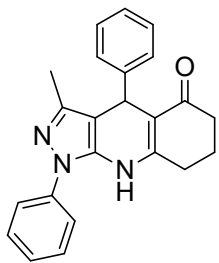
¹H NMR of **4j** in CDCl₃



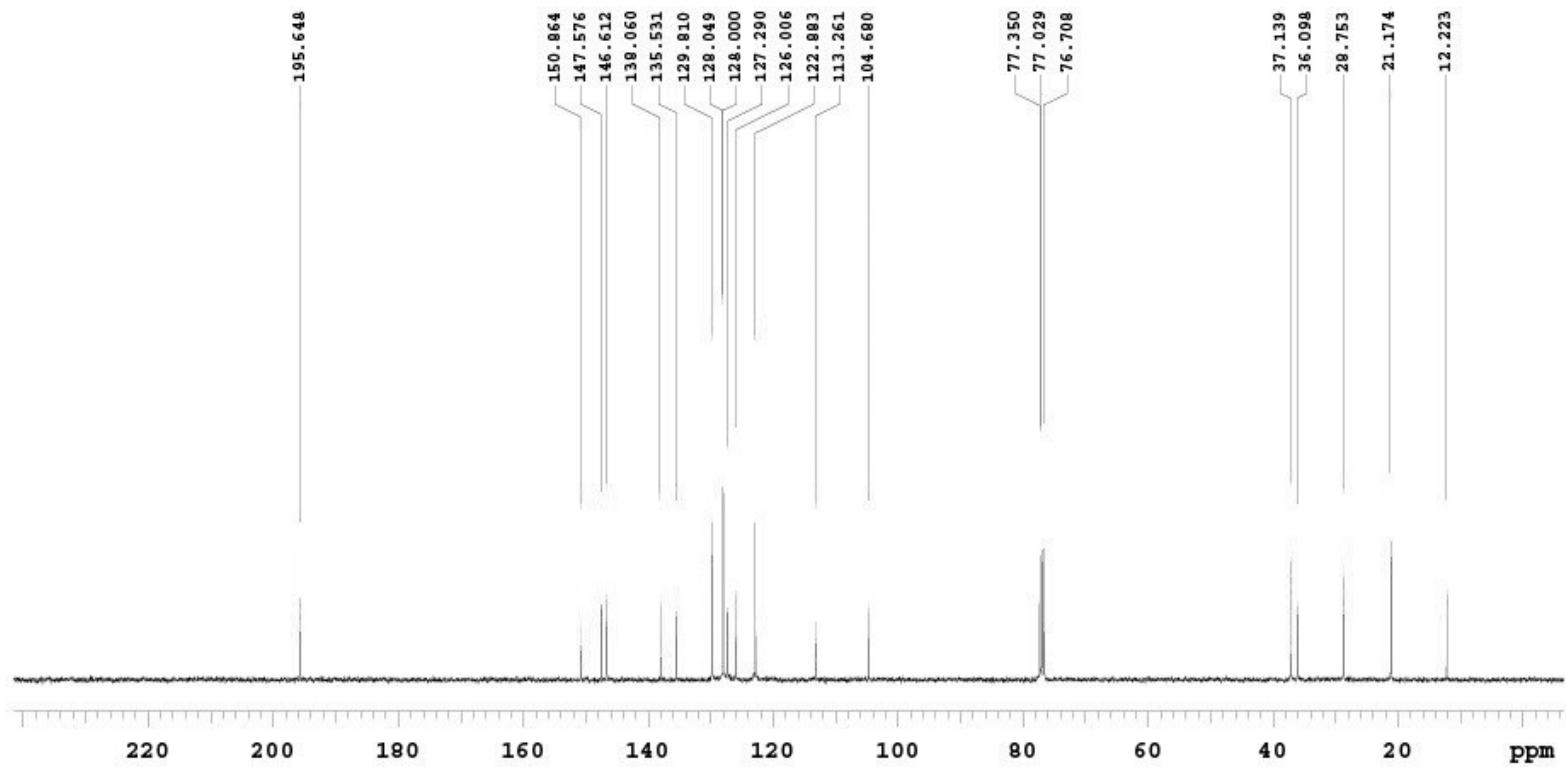
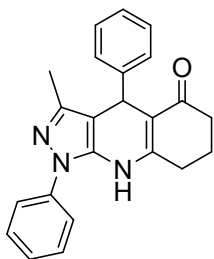
¹³C NMR of **4j** in CDCl₃



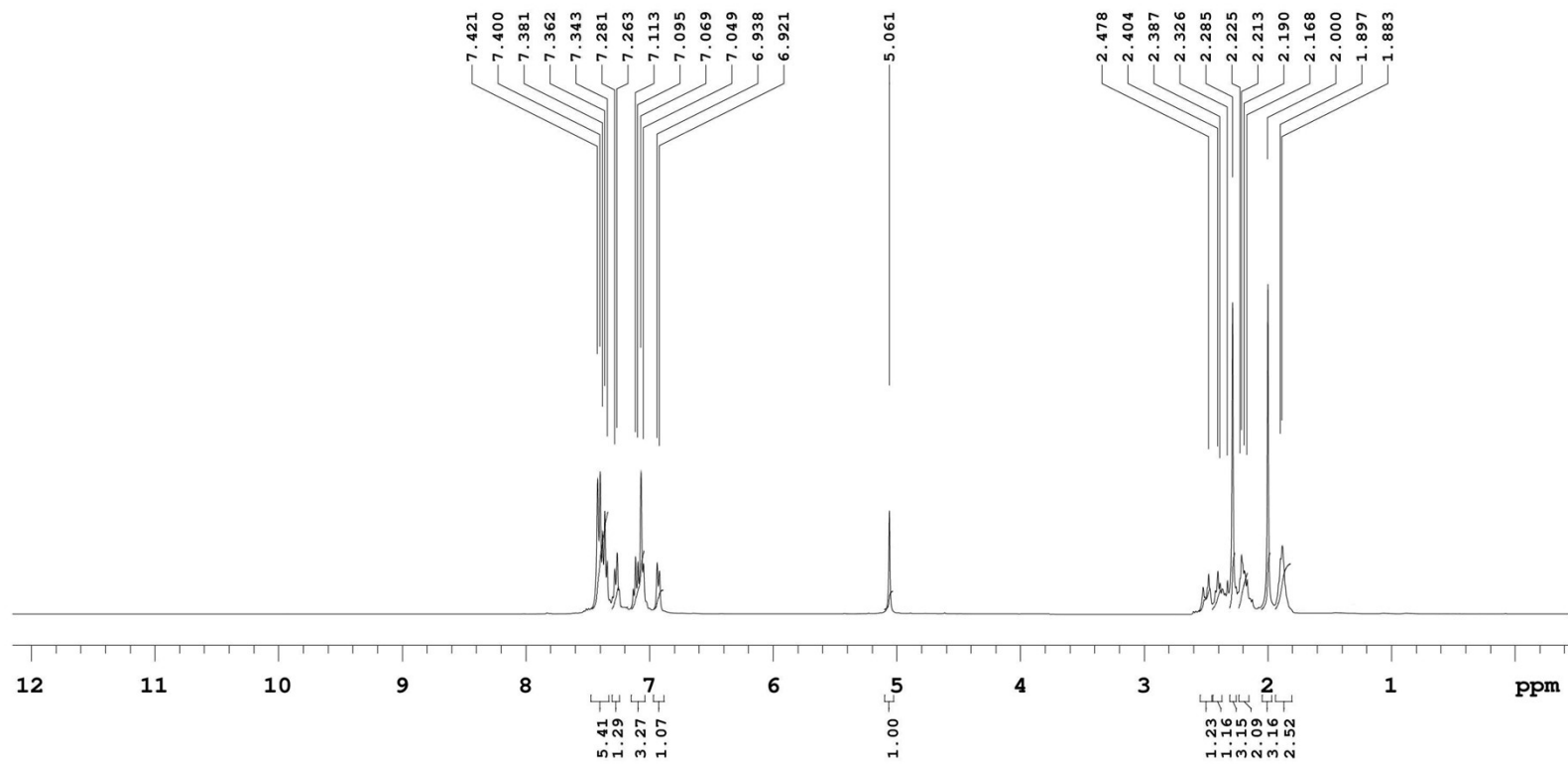
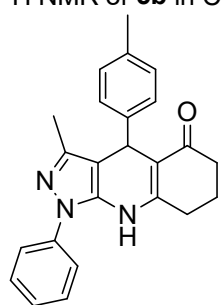
¹H NMR of **5a** in CDCl₃



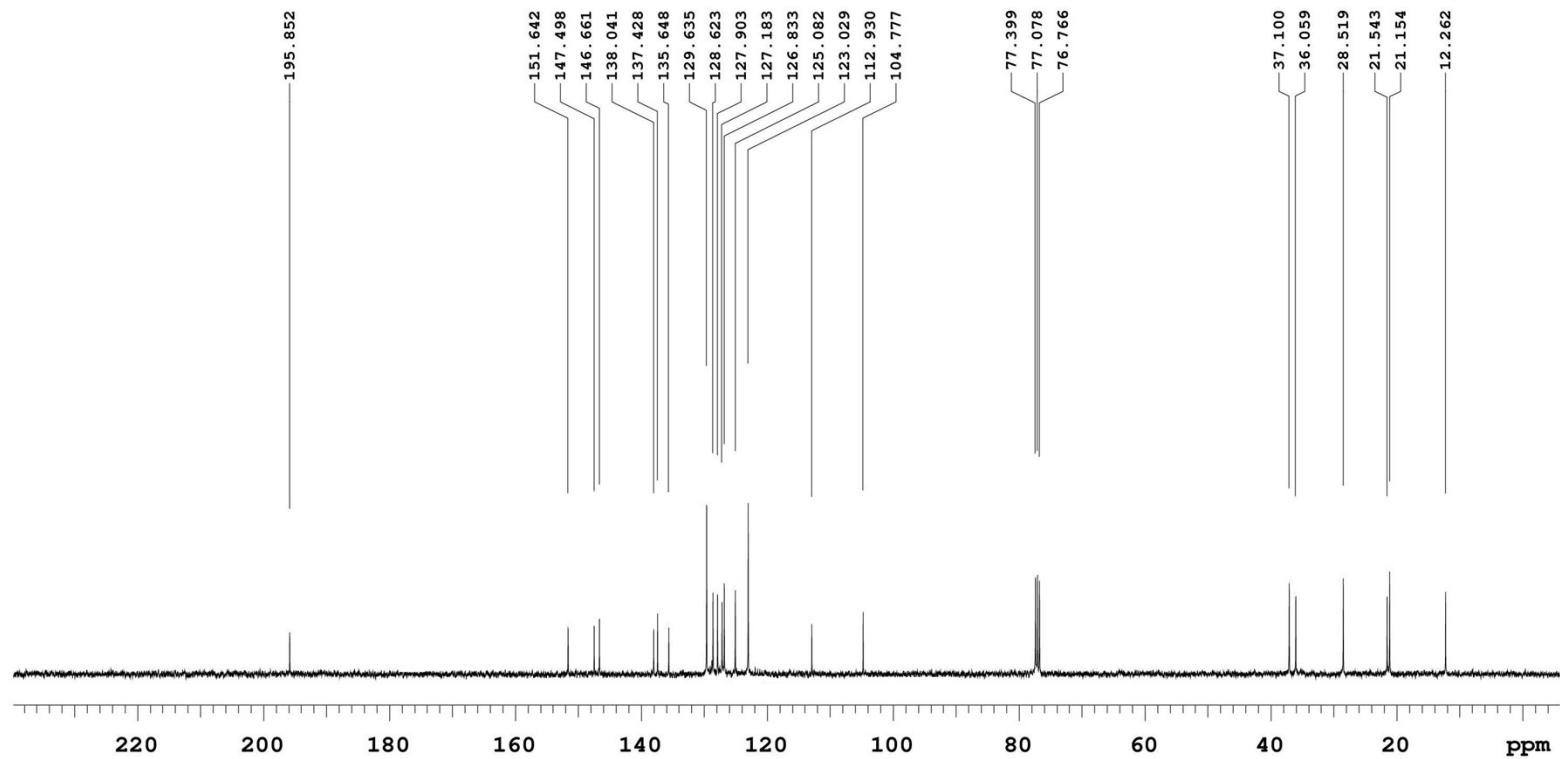
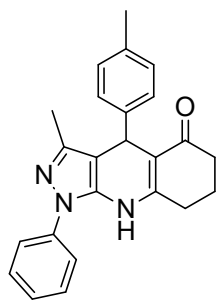
^{13}C NMR of **5a** in CDCl_3



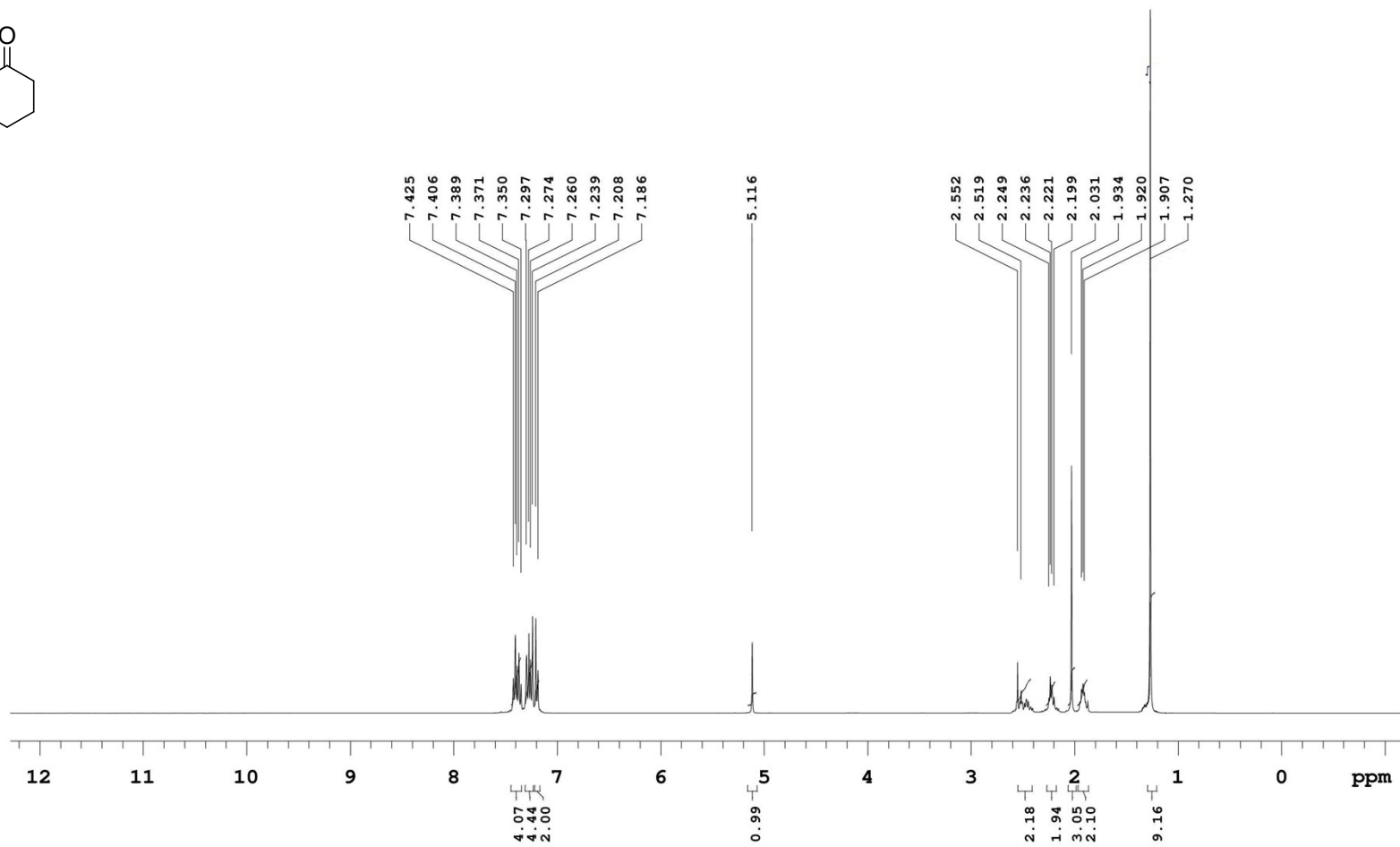
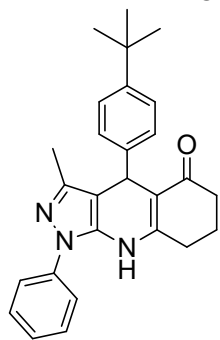
^1H NMR of **5b** in CDCl_3



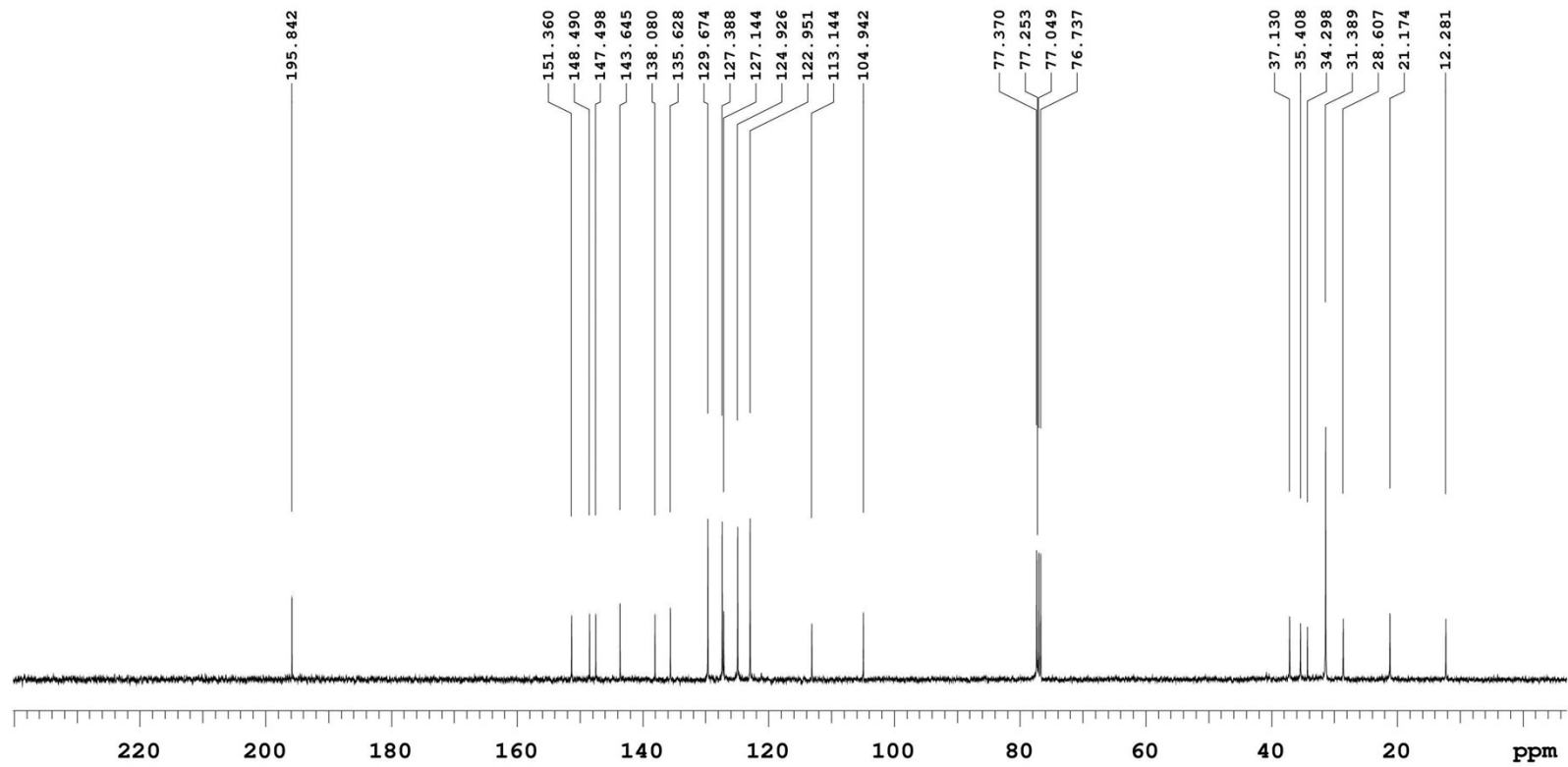
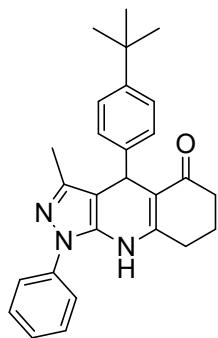
^{13}C NMR of **5b** in CDCl_3



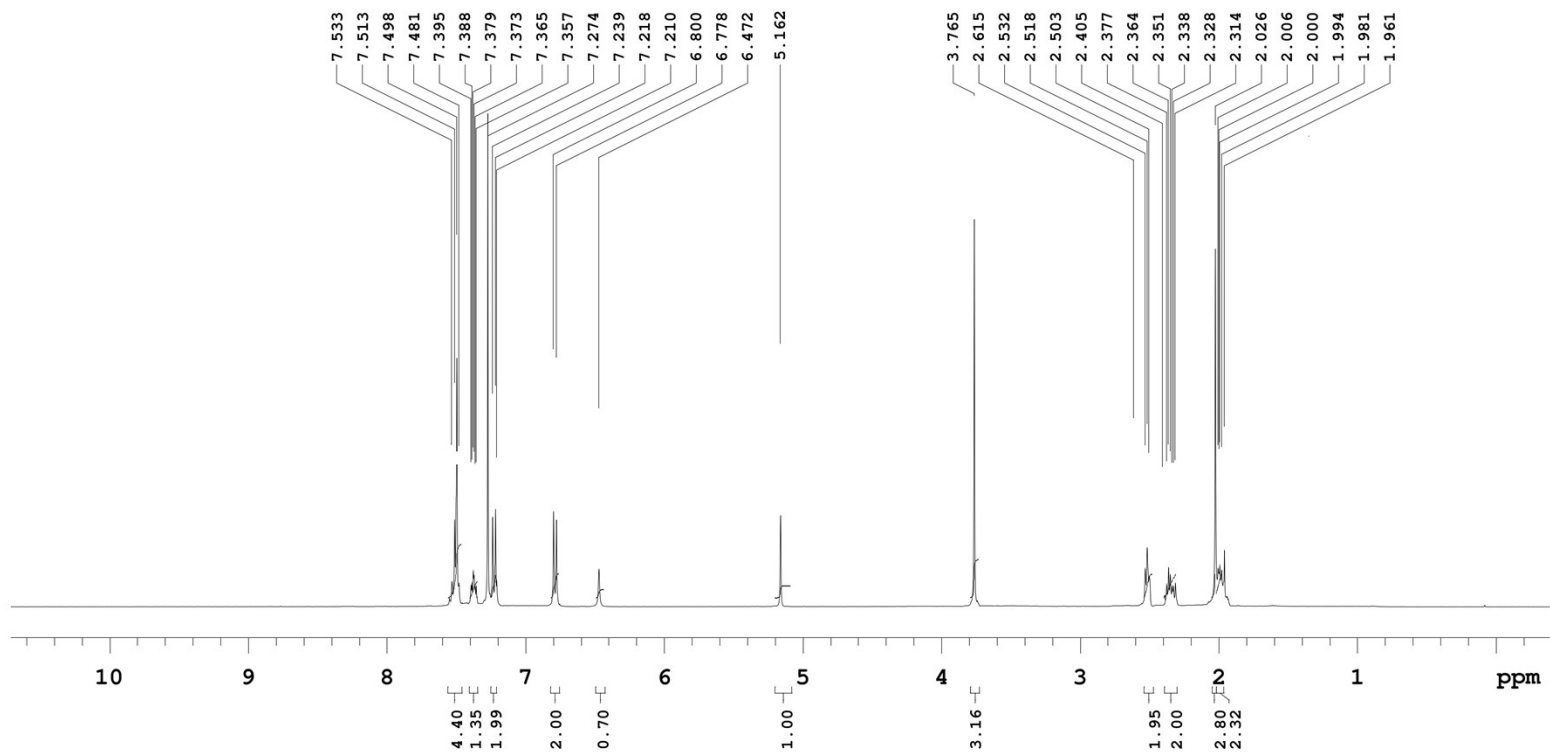
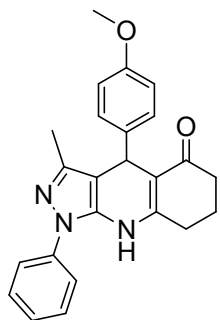
^1H NMR of **5c** in CDCl_3



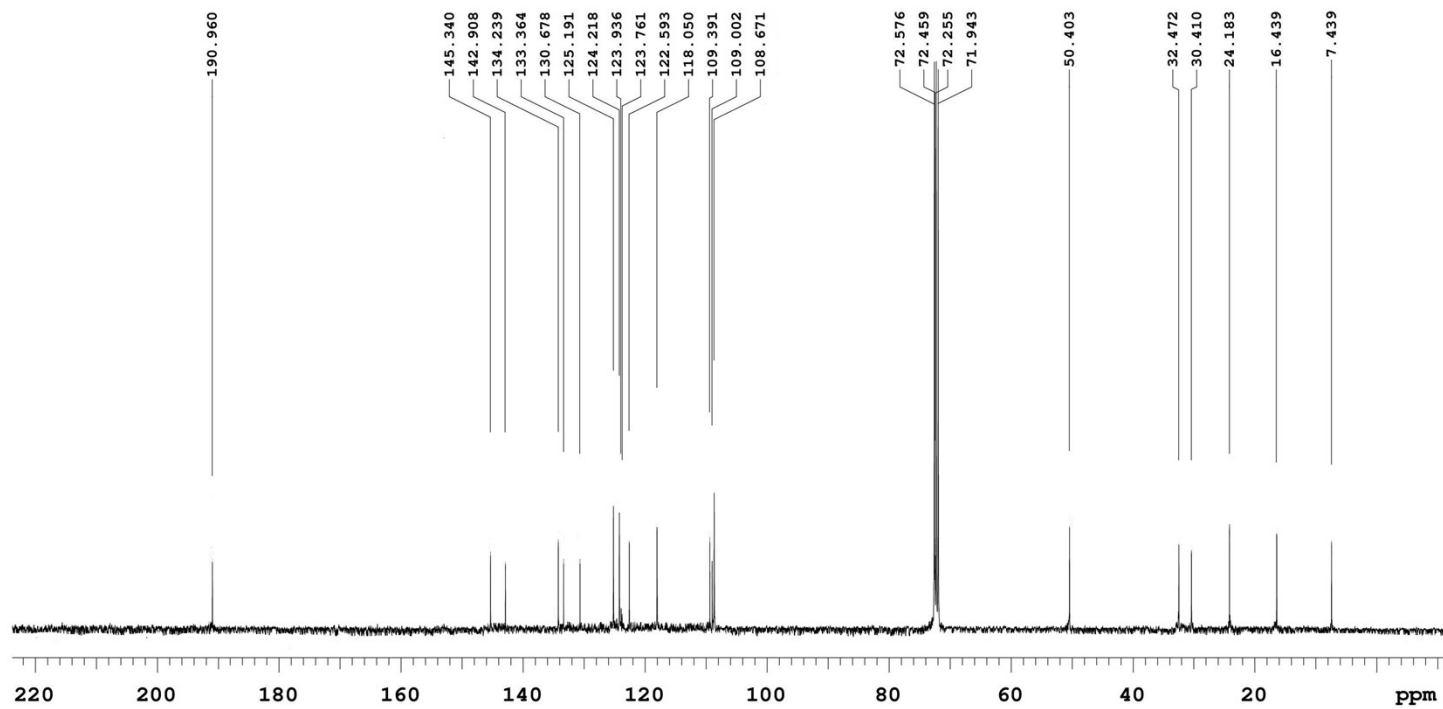
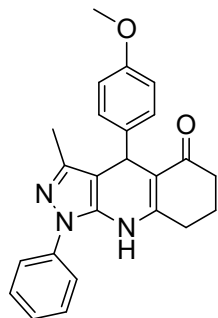
¹³C NMR of **5c** in CDCl₃



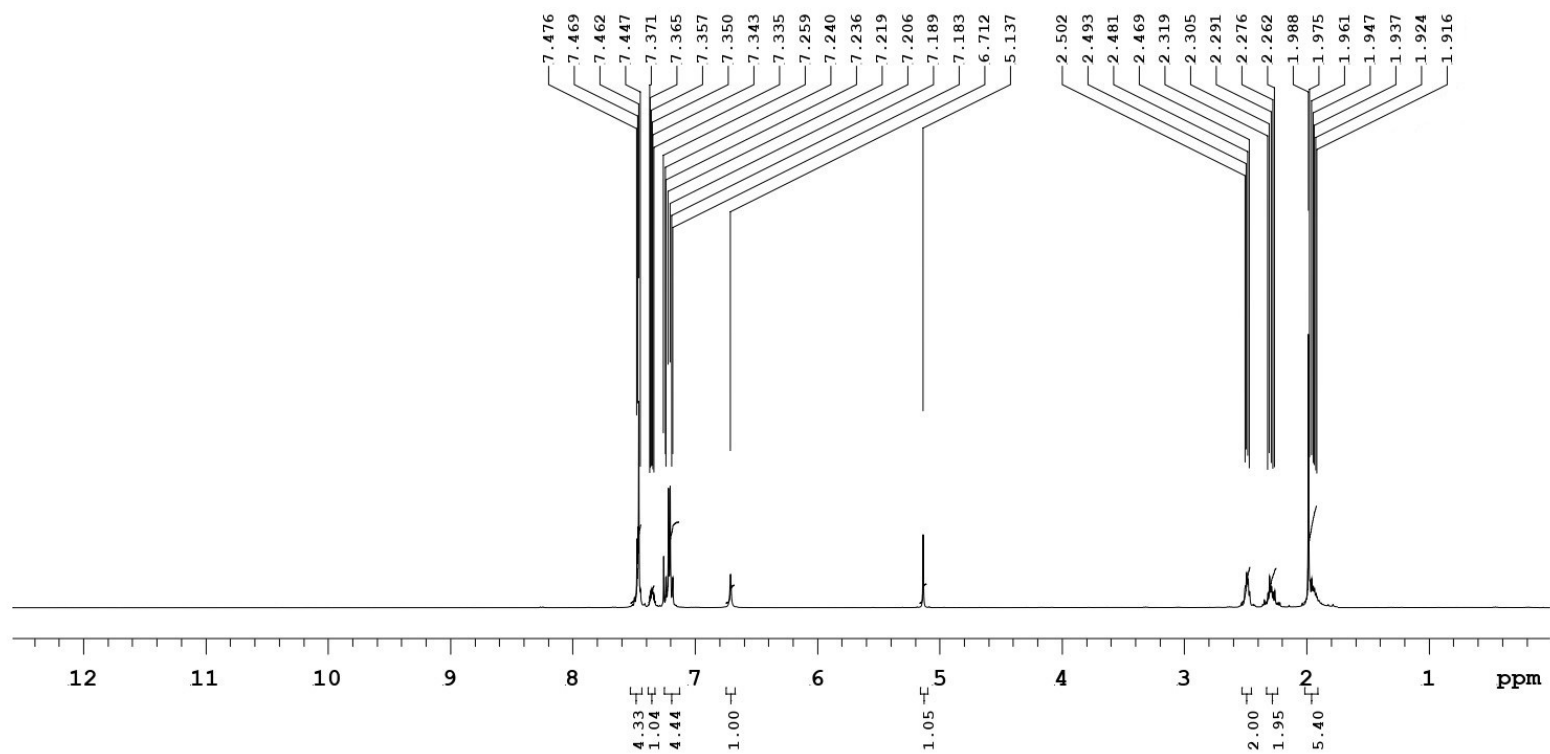
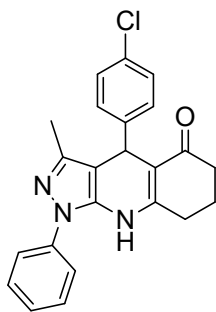
^1H NMR of **5d** in CDCl_3



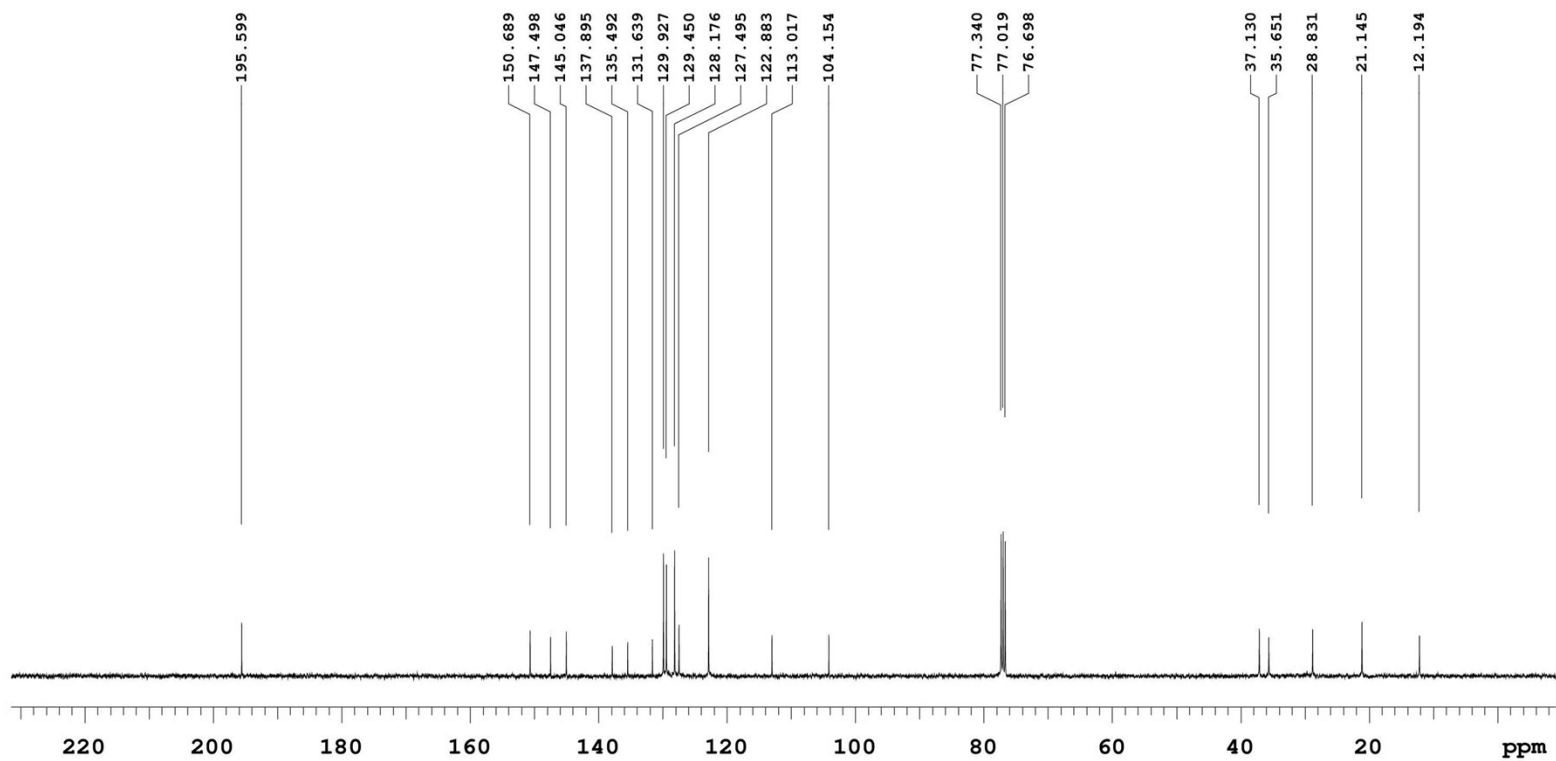
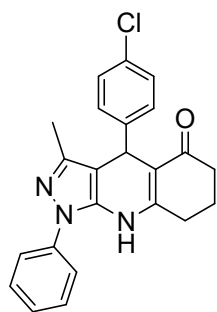
^{13}C NMR of **5d** in CDCl_3



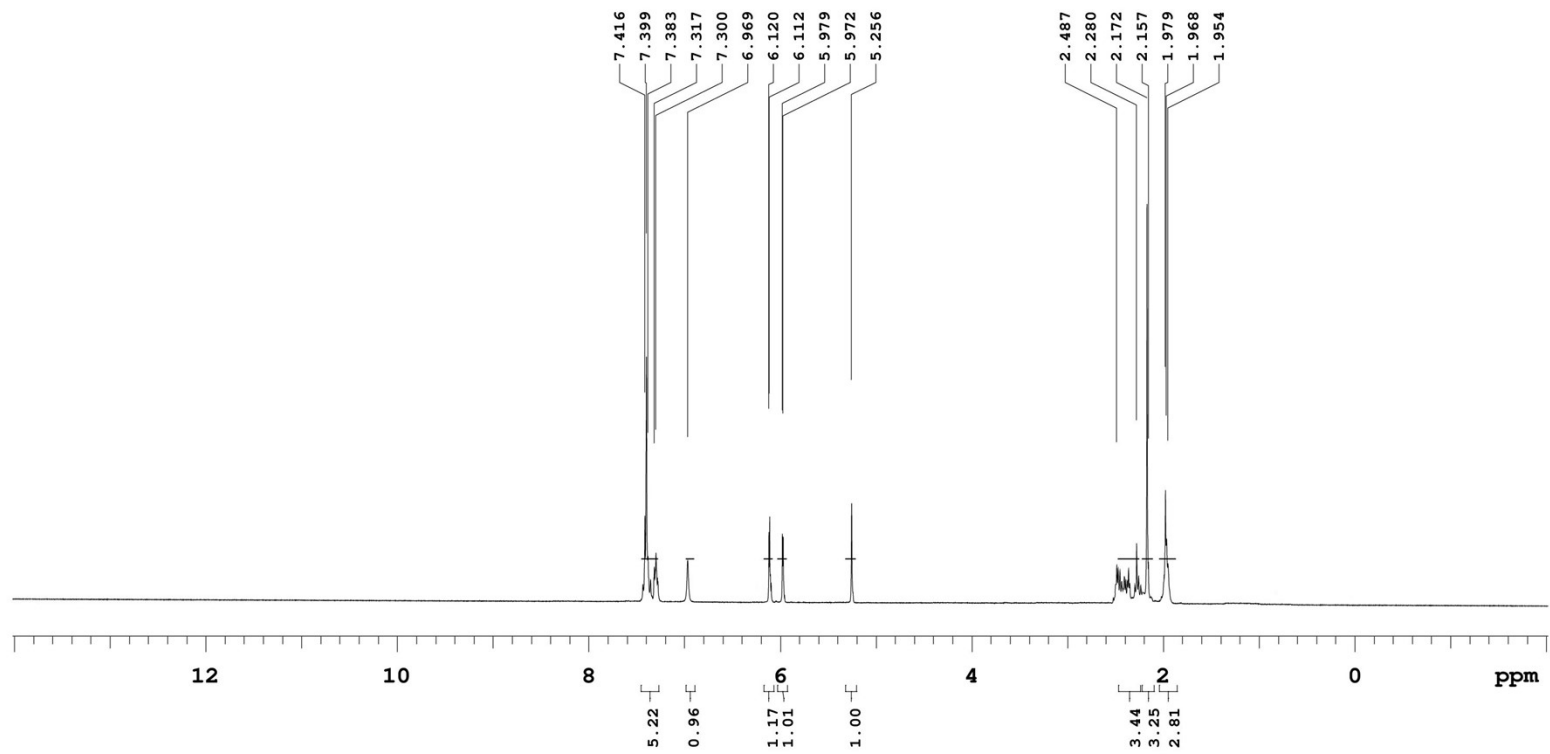
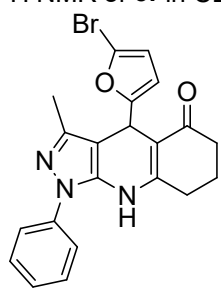
^1H NMR of **5e** in CDCl_3



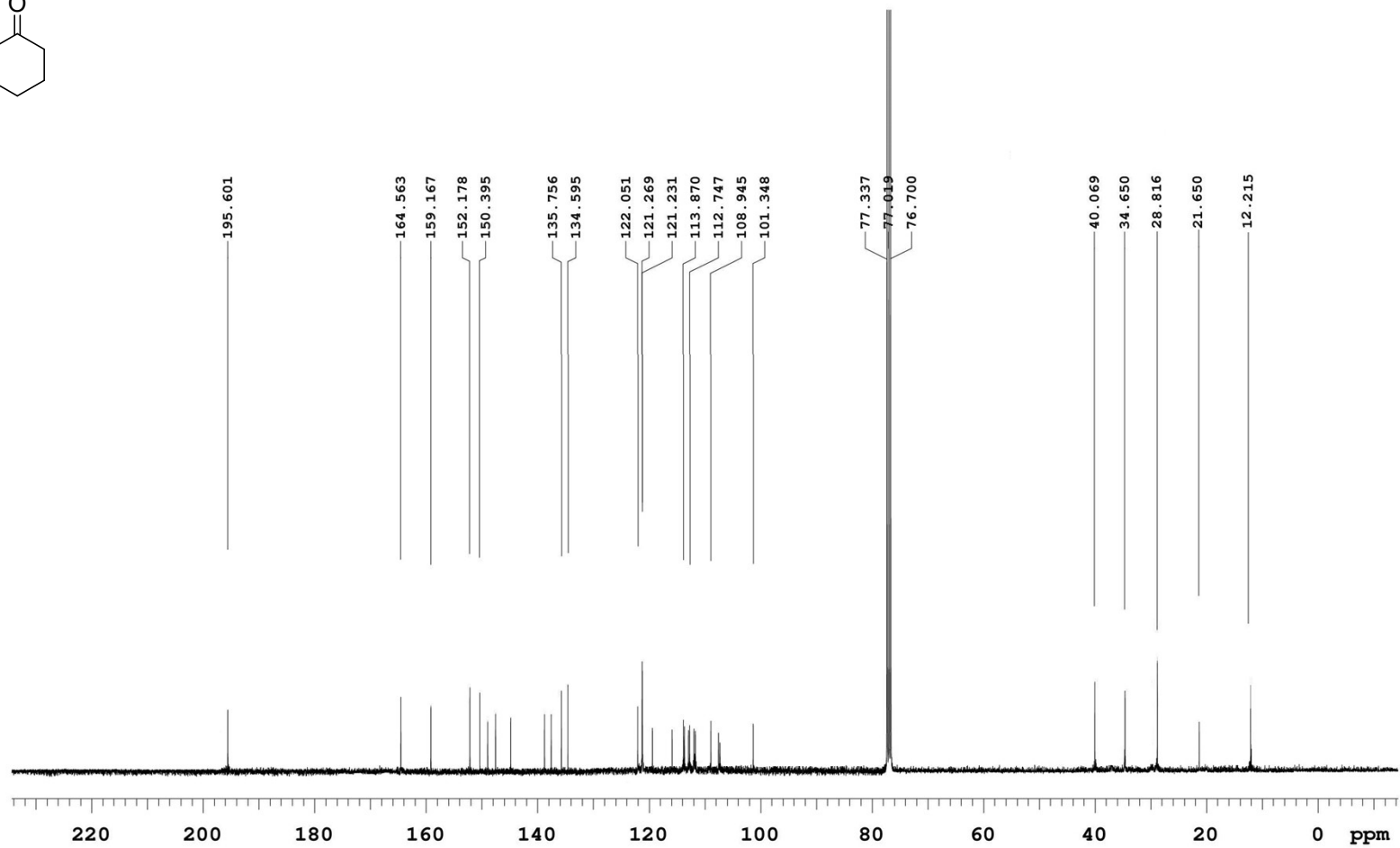
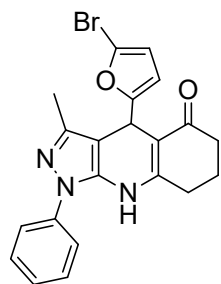
^{13}C NMR of **5e** in CDCl_3



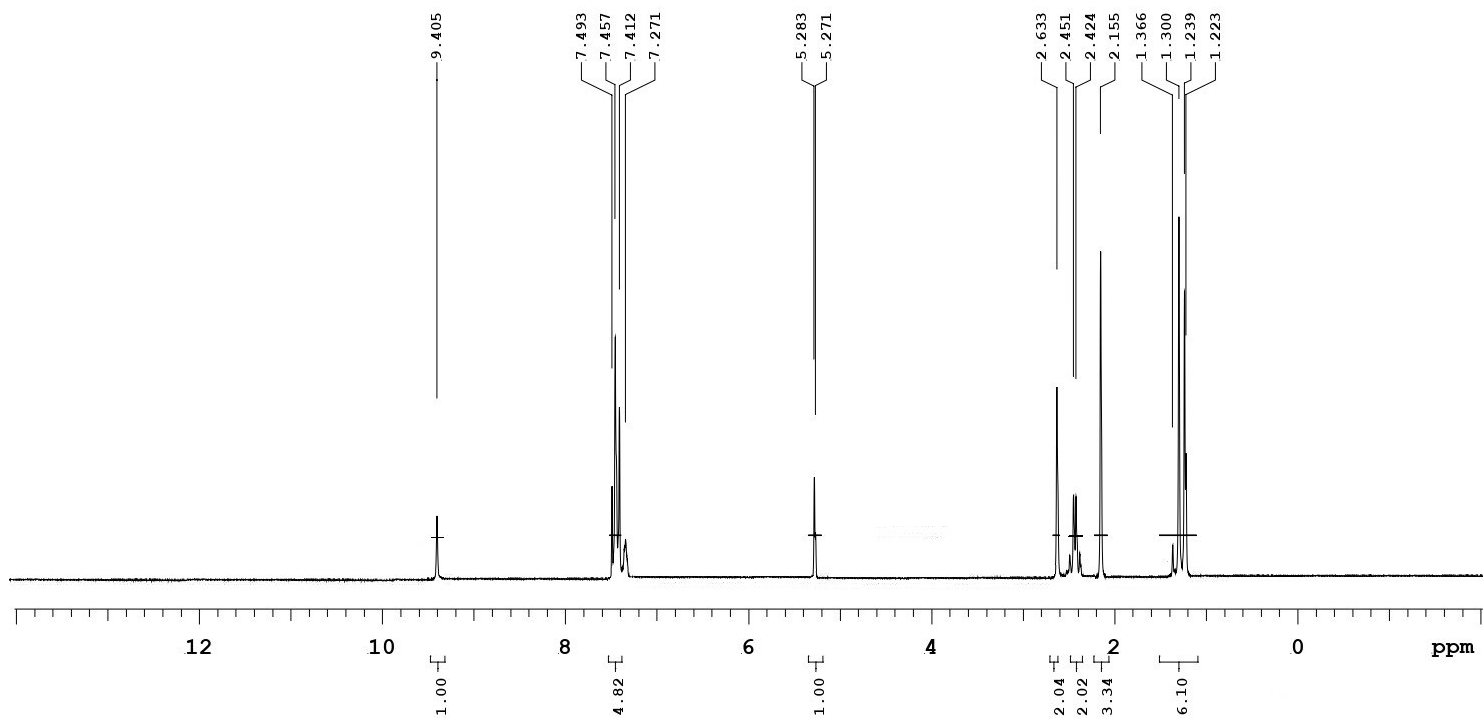
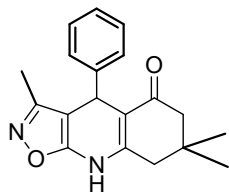
¹H NMR of **5f** in CDCl₃



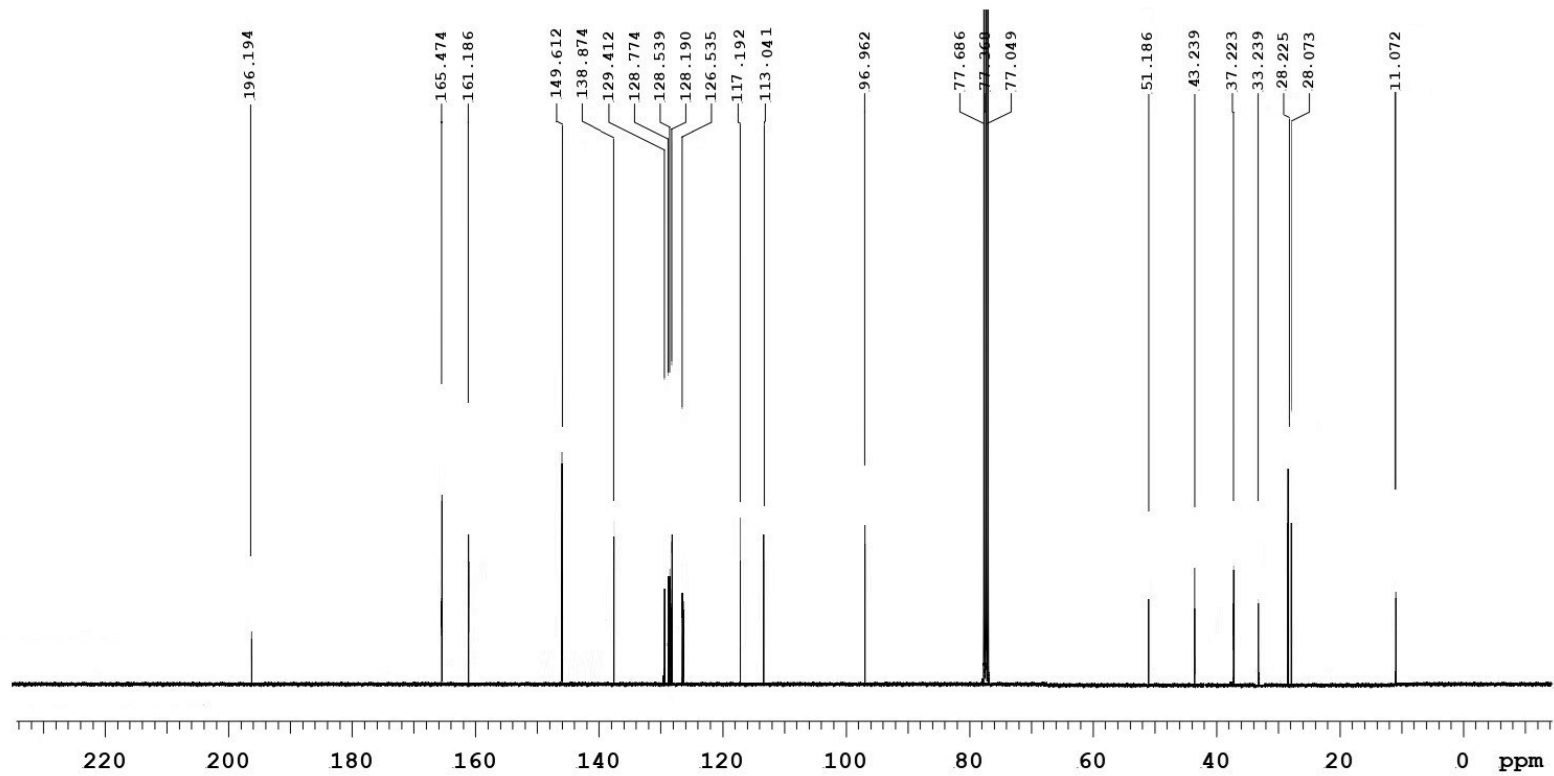
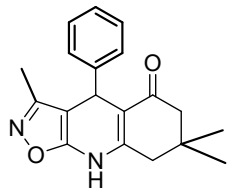
¹³C NMR of **5f** in CDCl₃



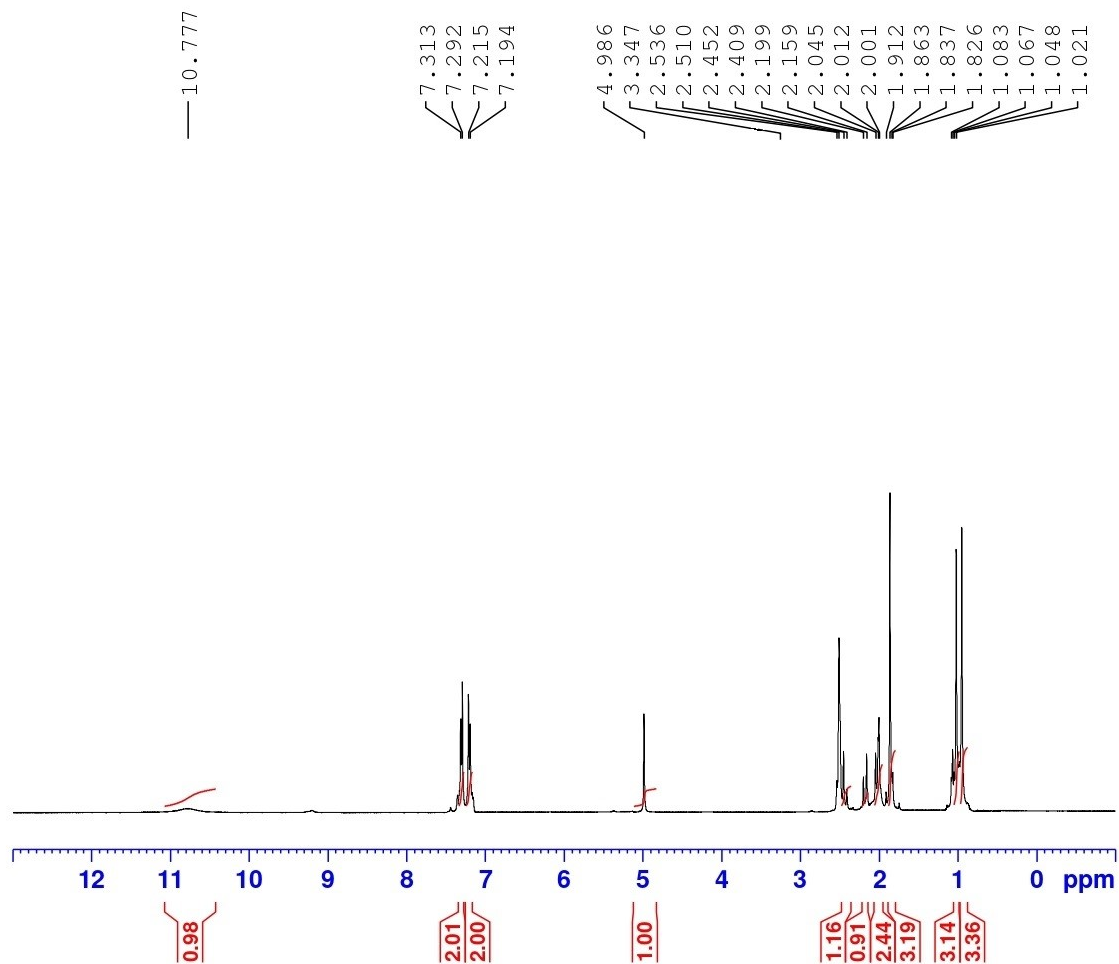
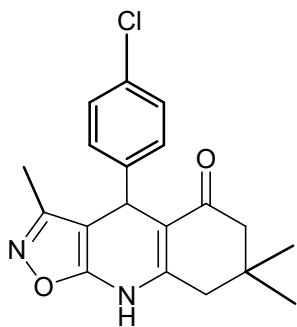
^1H NMR of **6a** in CDCl_3



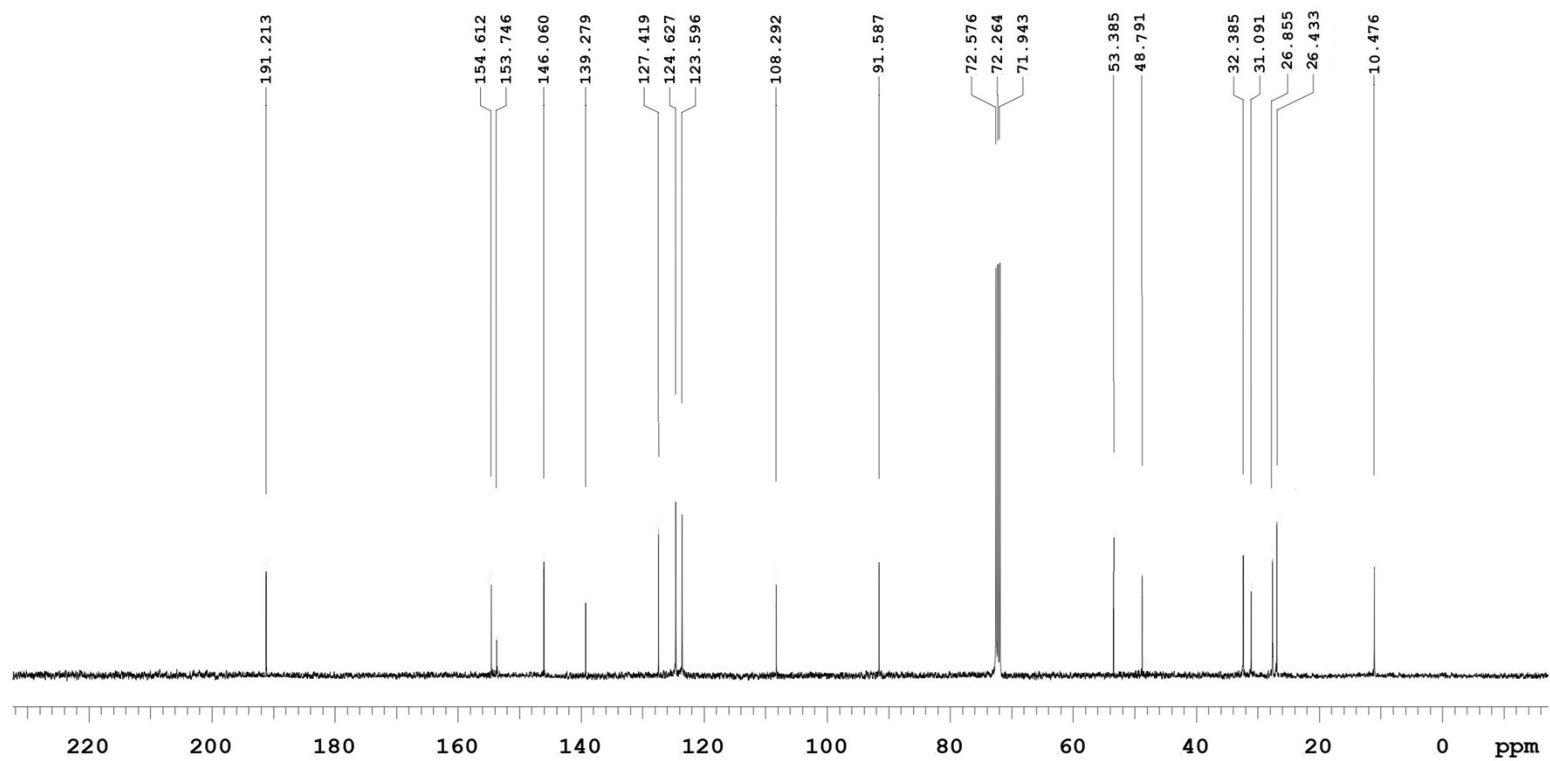
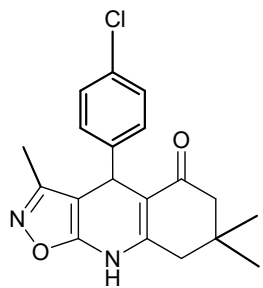
^{13}C NMR of **6a** in CDCl_3



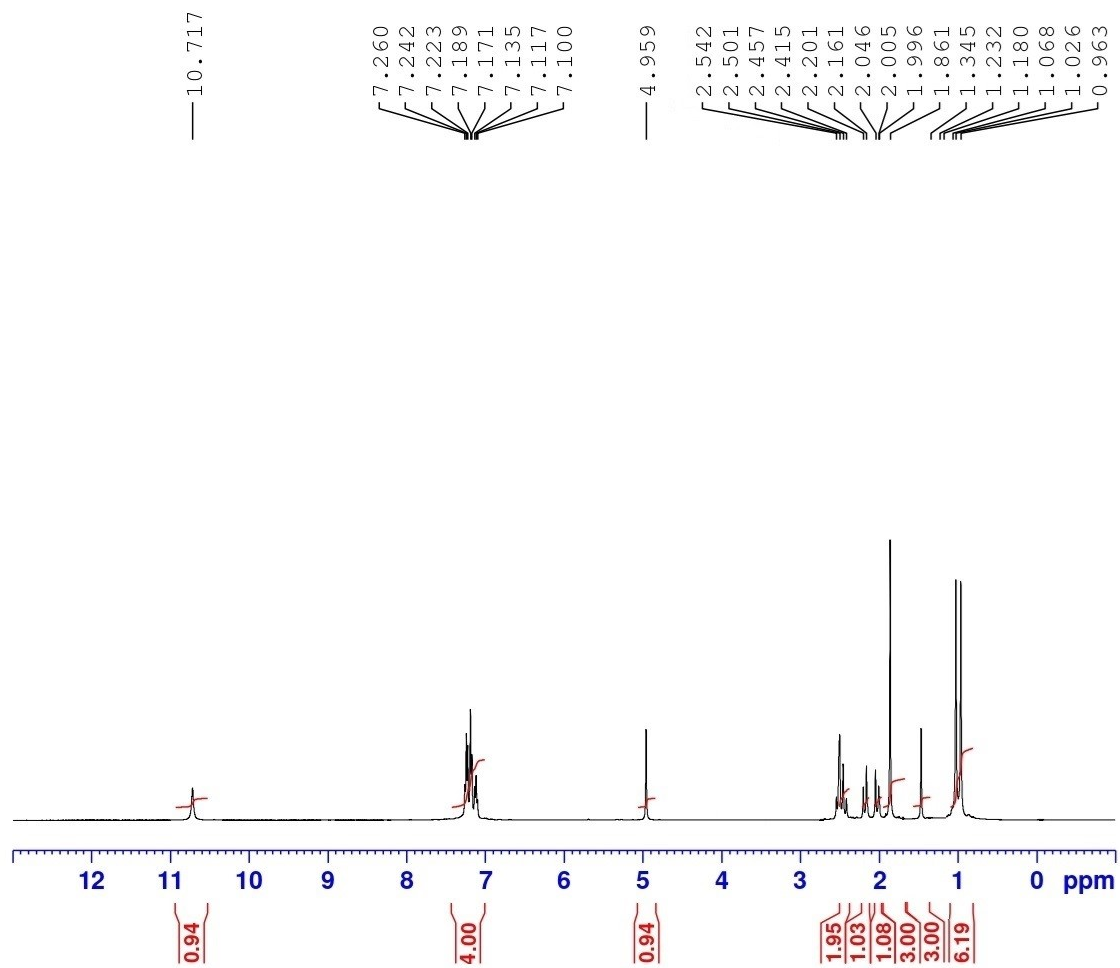
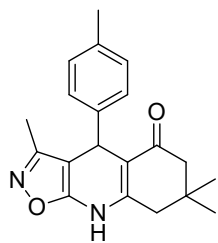
^1H NMR of **6b** in DMSO-d₆



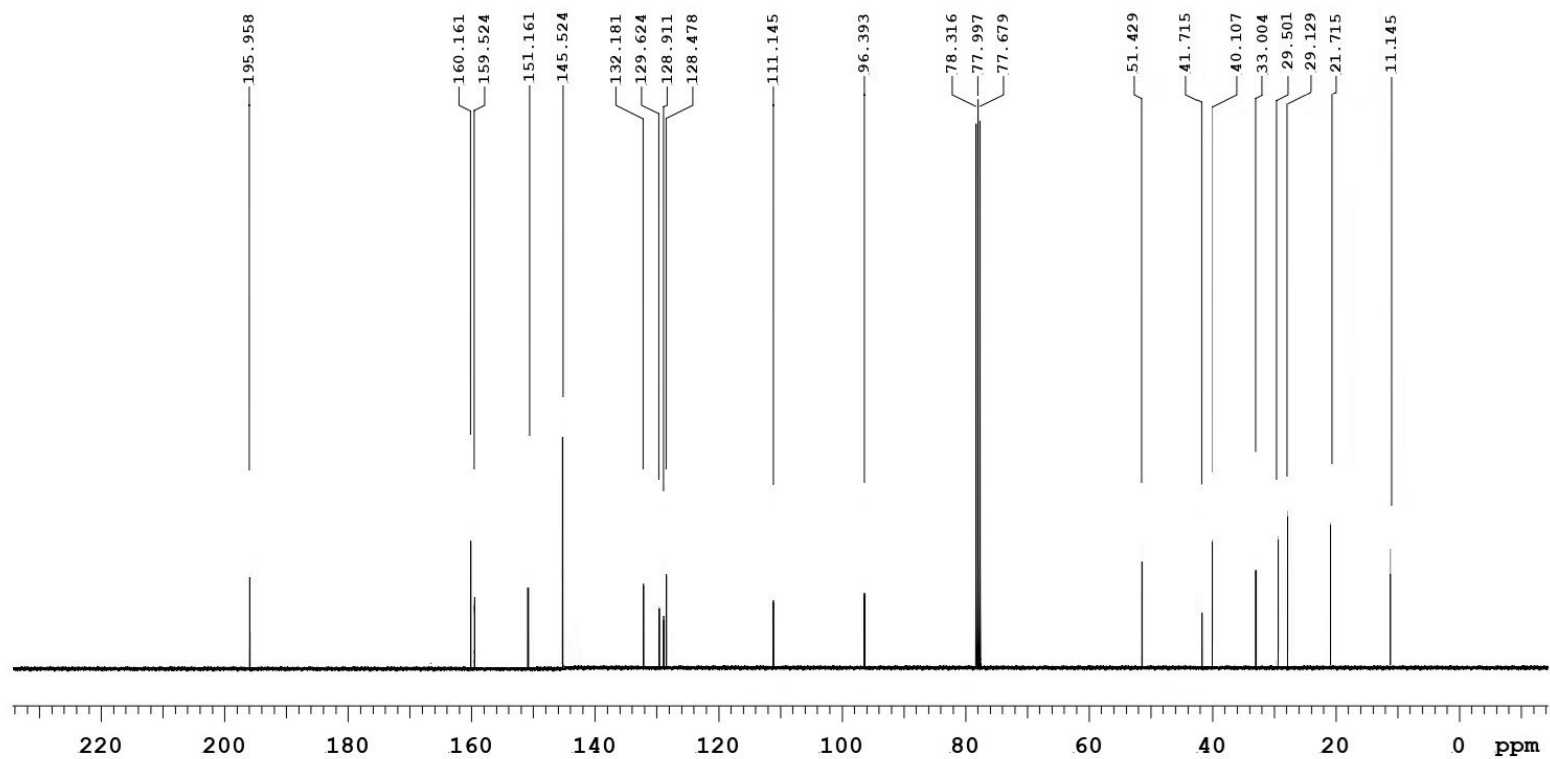
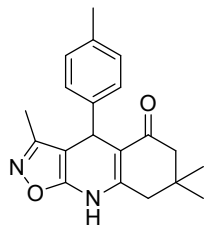
^{13}C NMR of **6b** in CDCl_3



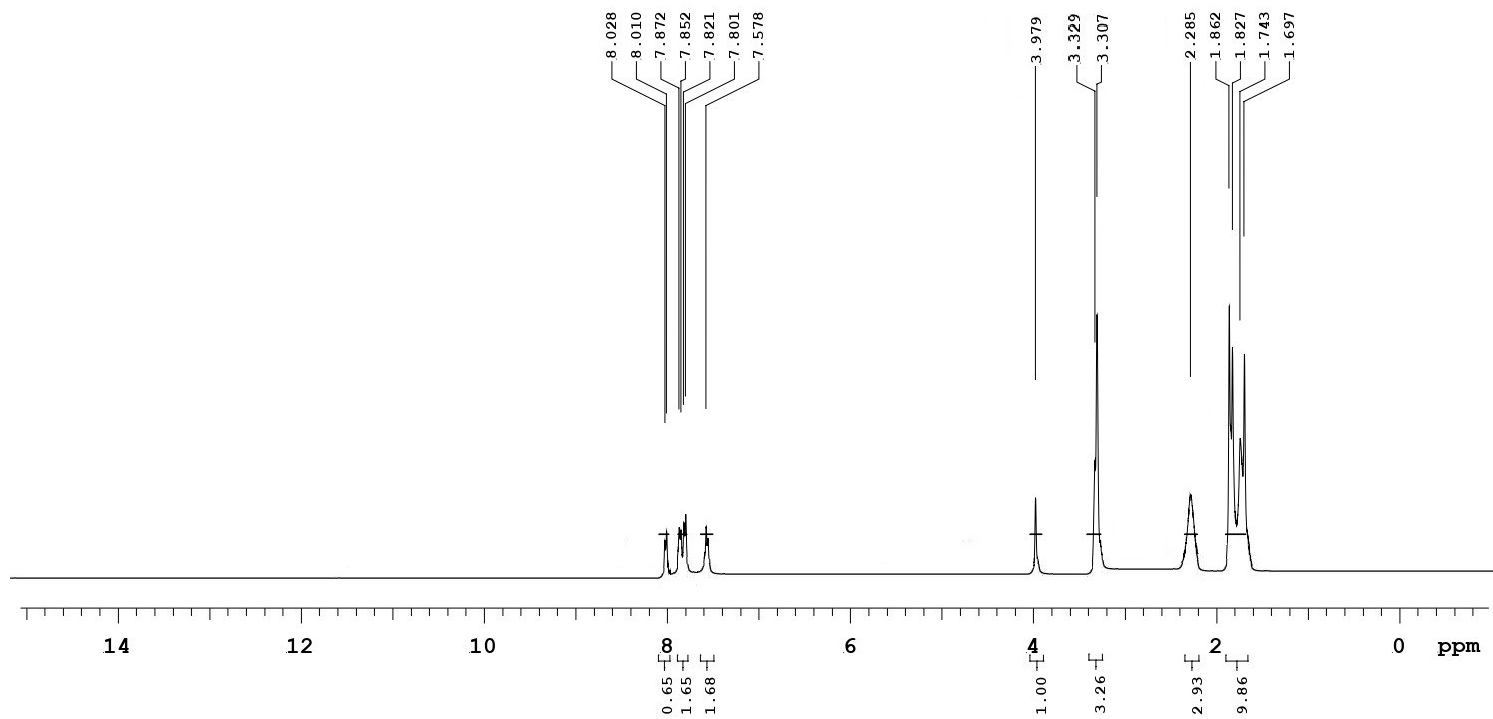
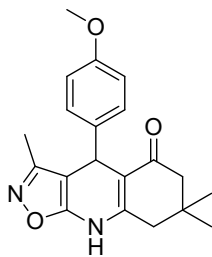
^1H NMR of **6c** in DMSO- d_6



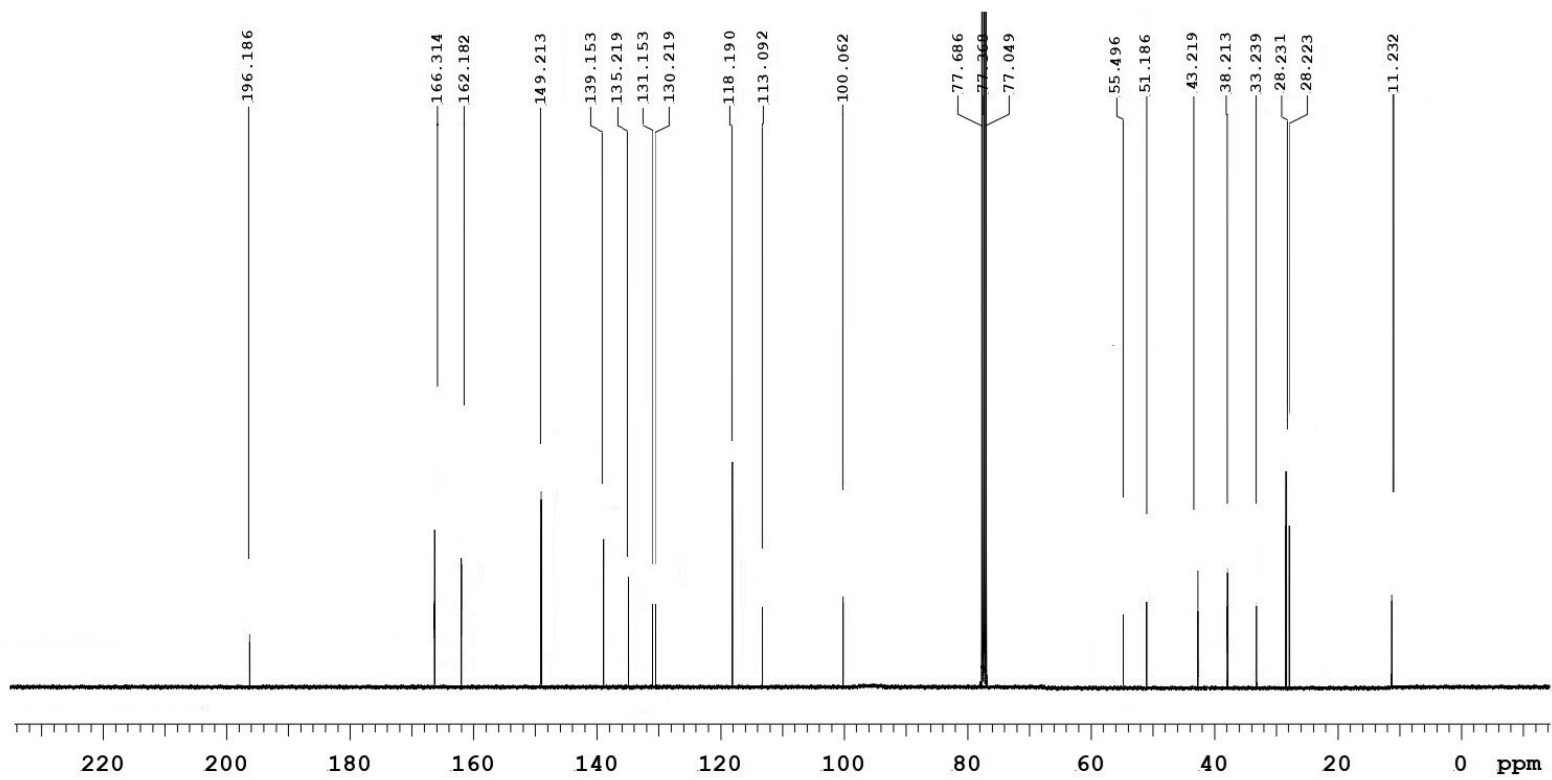
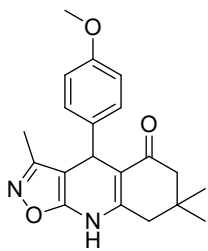
^{13}C NMR of **6c** in CDCl_3



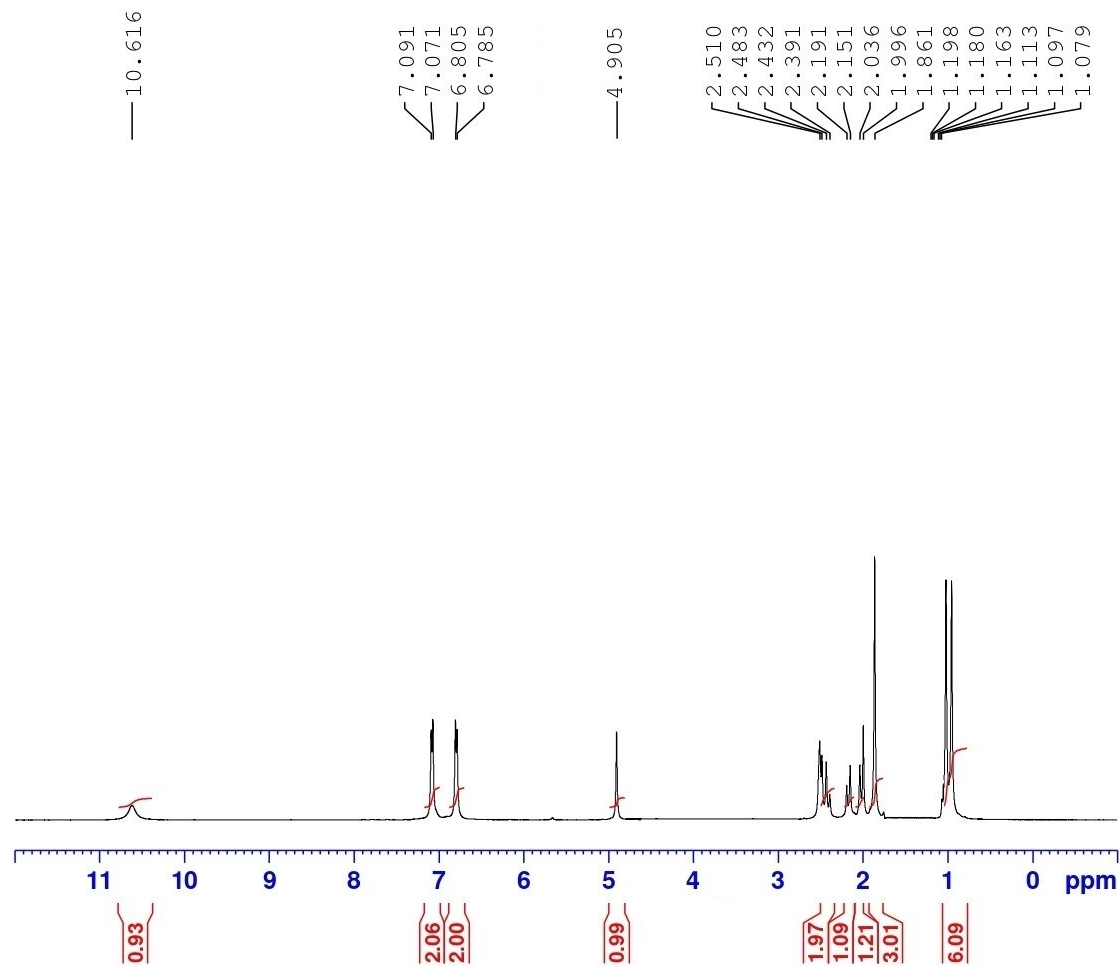
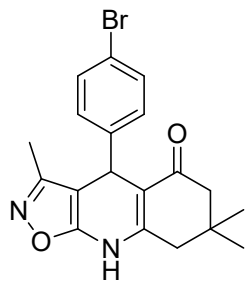
^1H NMR of **6d** in DMSO- d_6



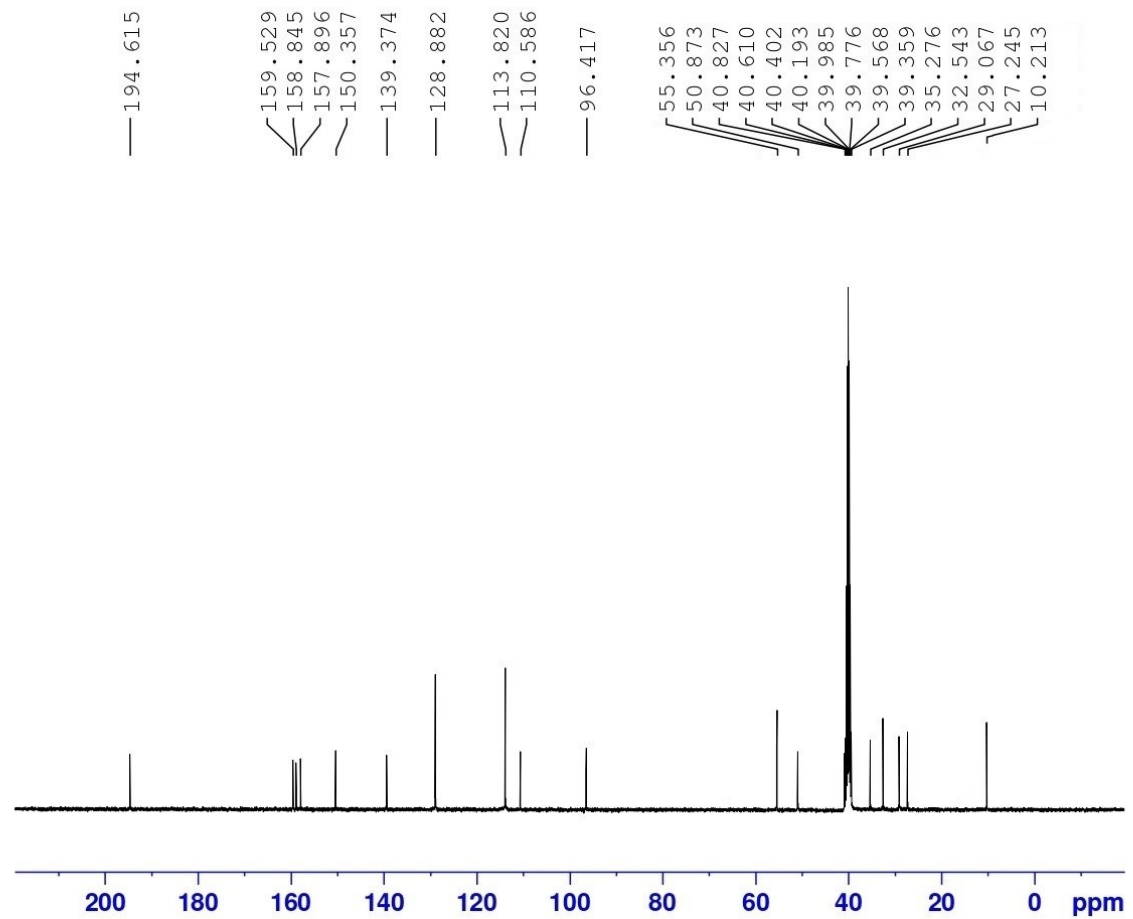
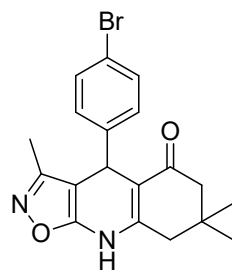
^{13}C NMR of **6d** in CDCl_3



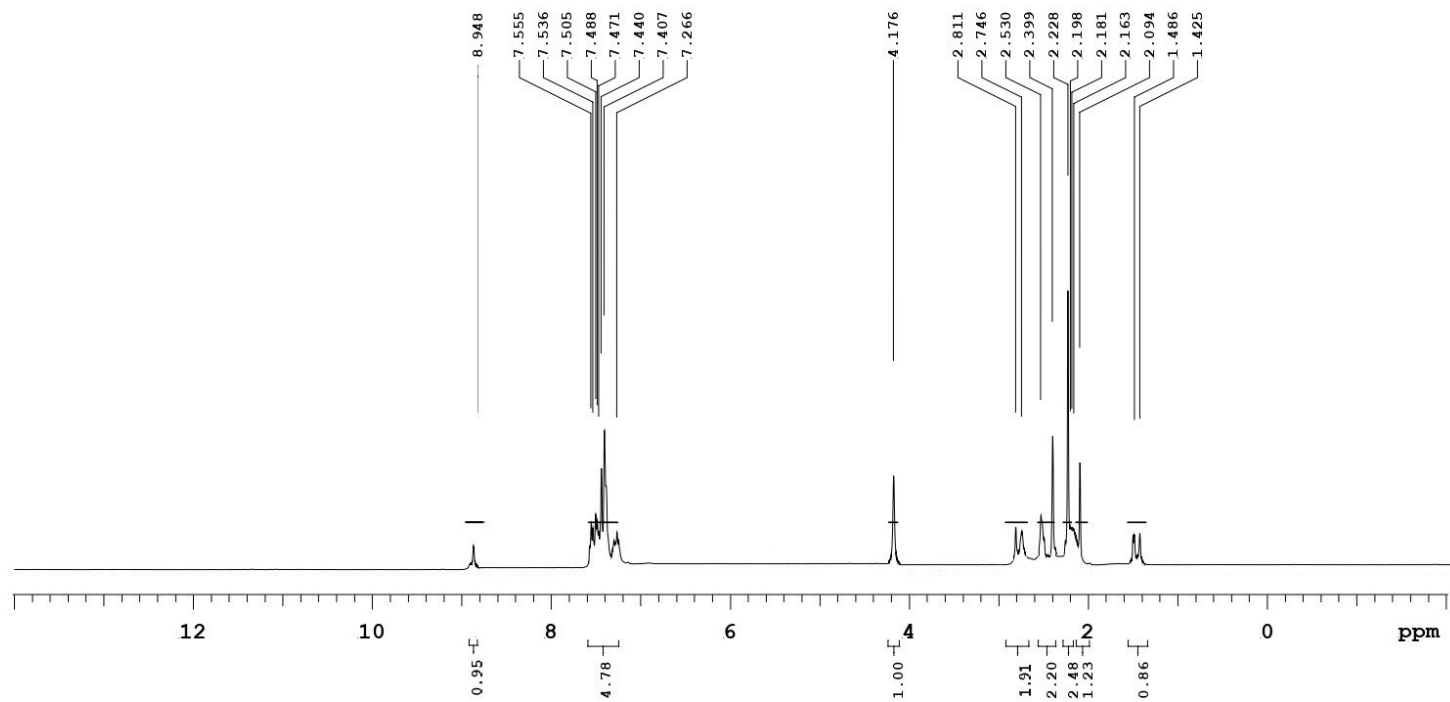
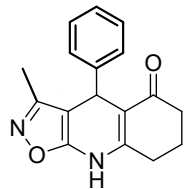
^1H NMR of **6e** in DMSO- d_6



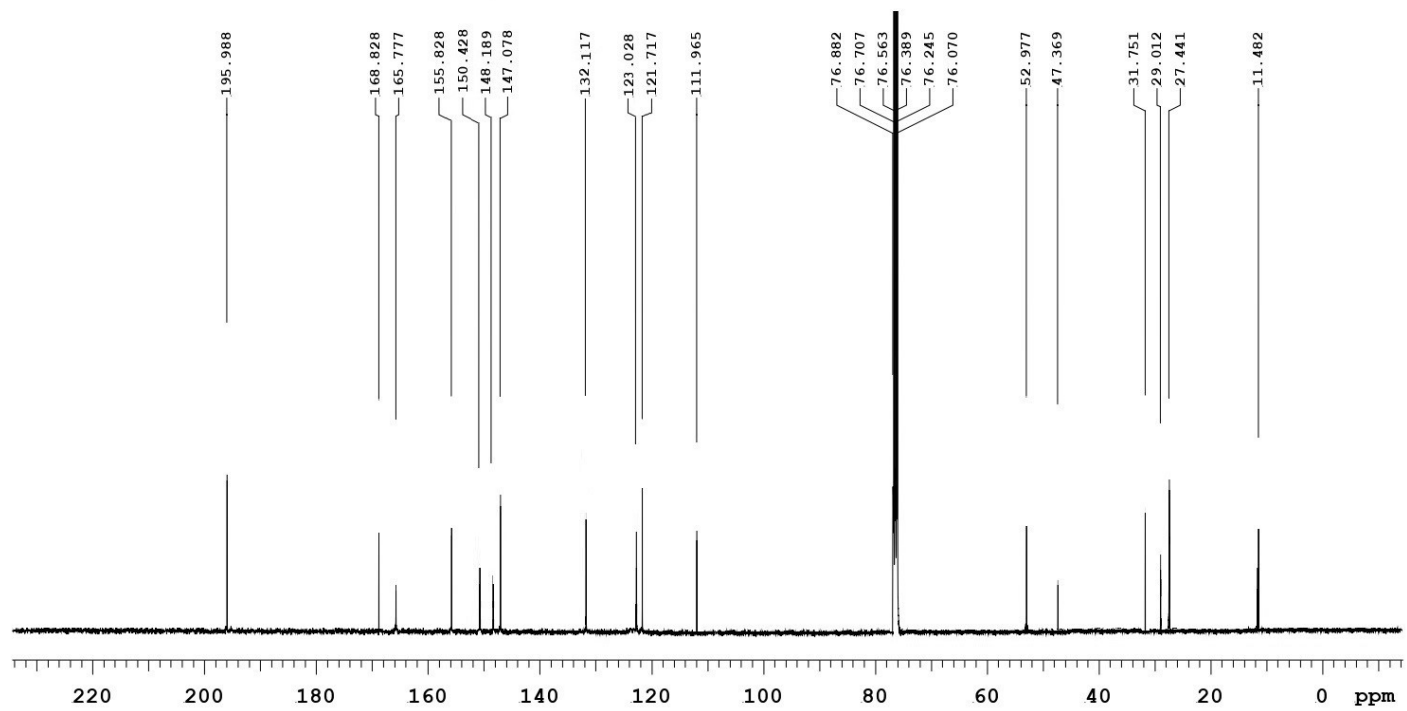
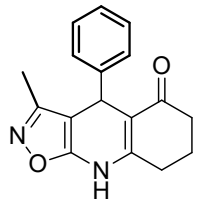
^{13}C NMR of **6e** in DMSO- d_6



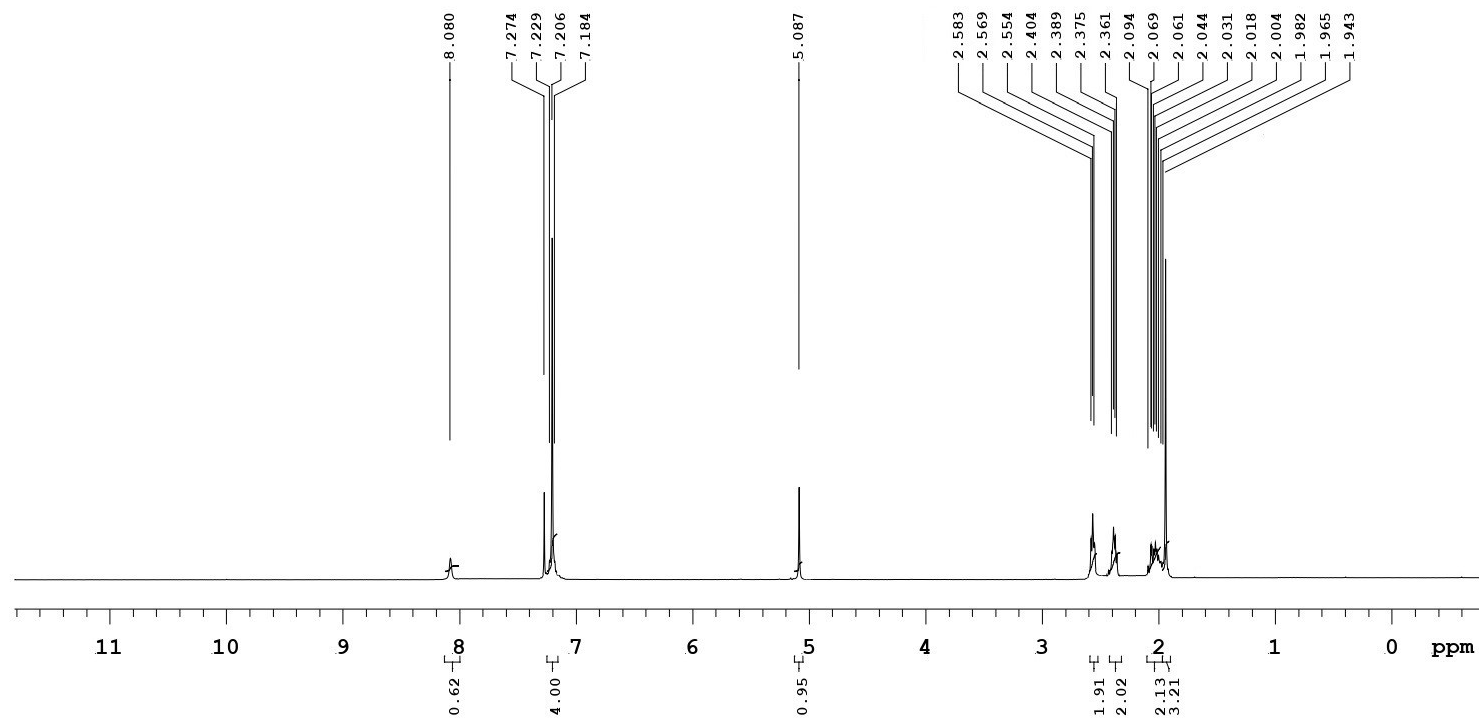
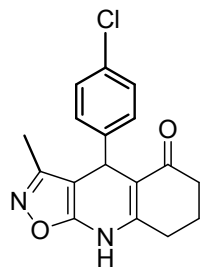
^1H NMR of **6f** in CDCl_3



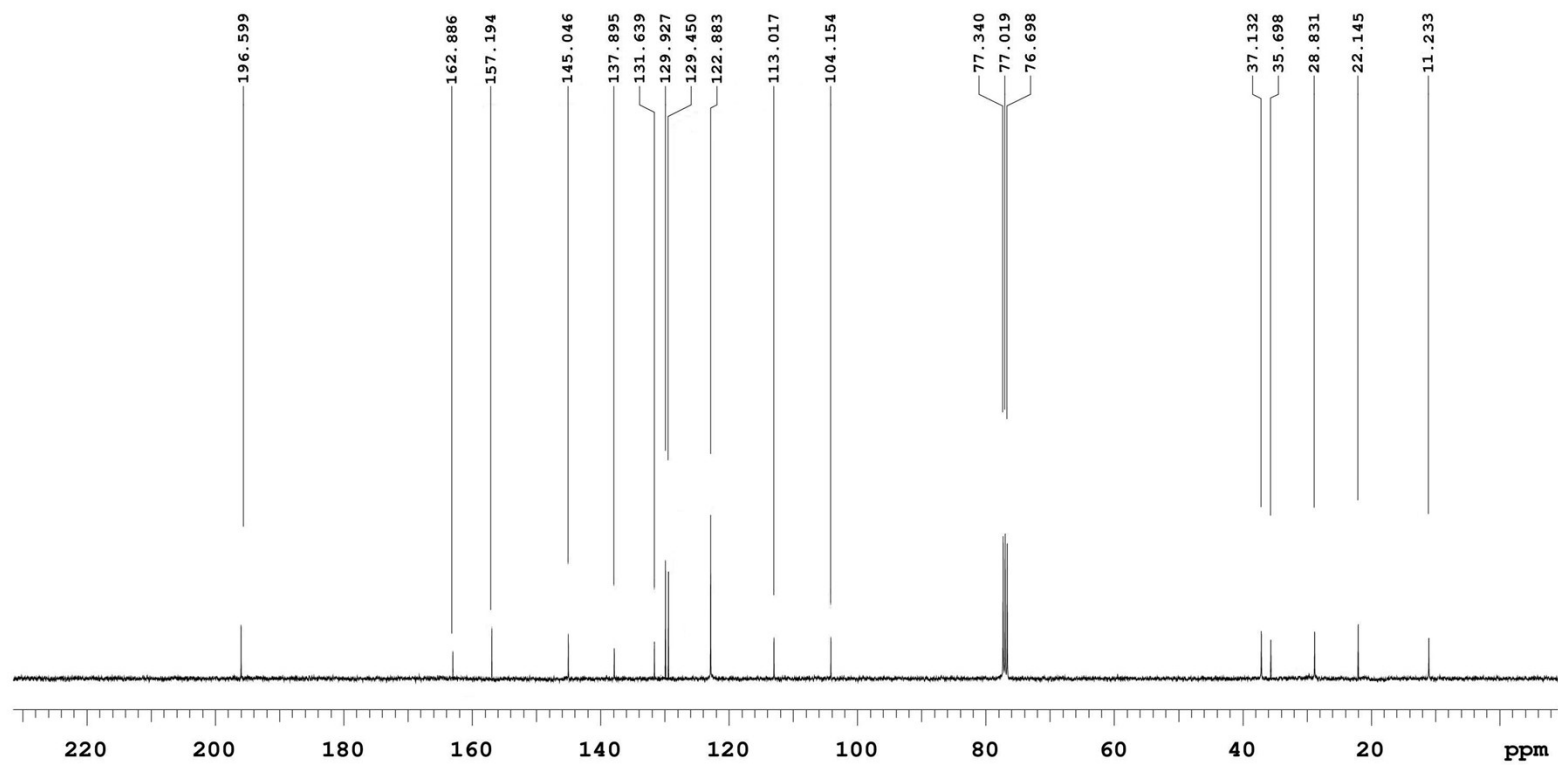
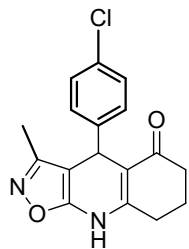
^{13}C NMR of **6f** in CDCl_3

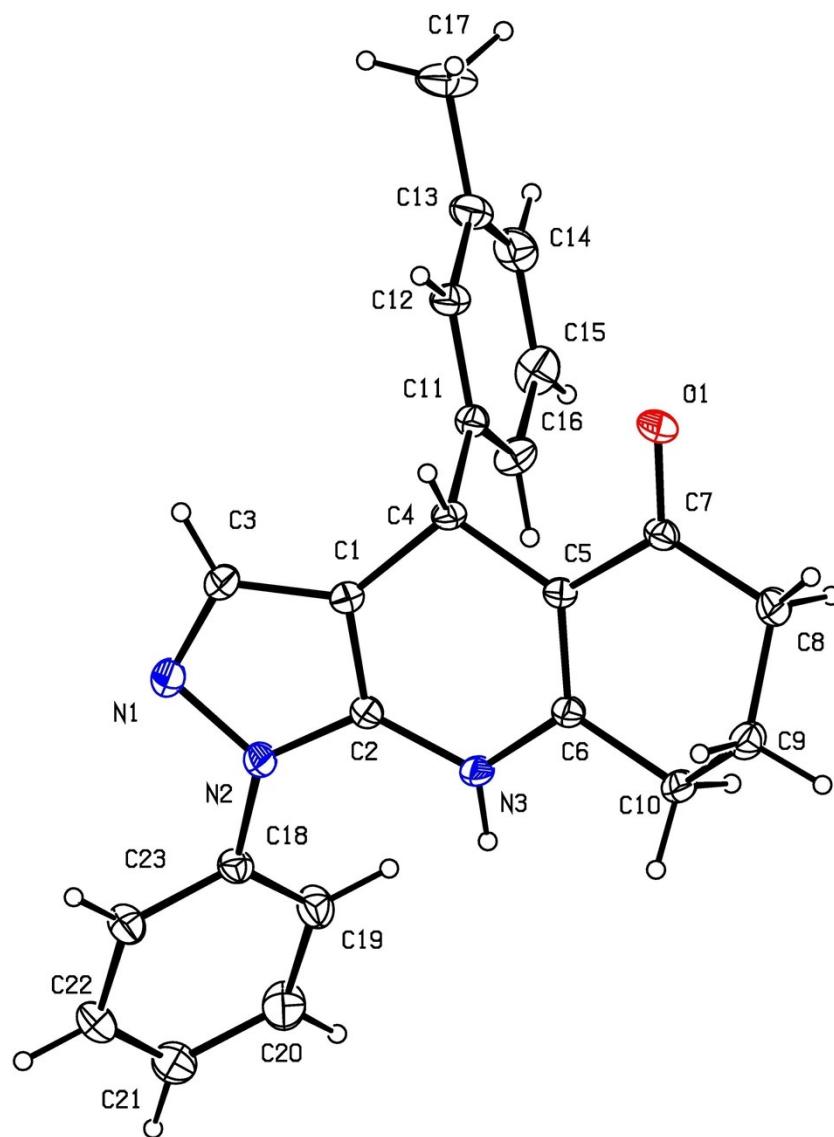


^1H NMR of **6g** in CDCl_3



^{13}C NMR of **6g** in CDCl_3





3b