

**Iridium-Catalyzed Reduction of *o*-Hydroxyl Phenyl Enaminones
for the Synthesis Propiophenones and Their Application in
3-Methyl Chromone Synthesis**

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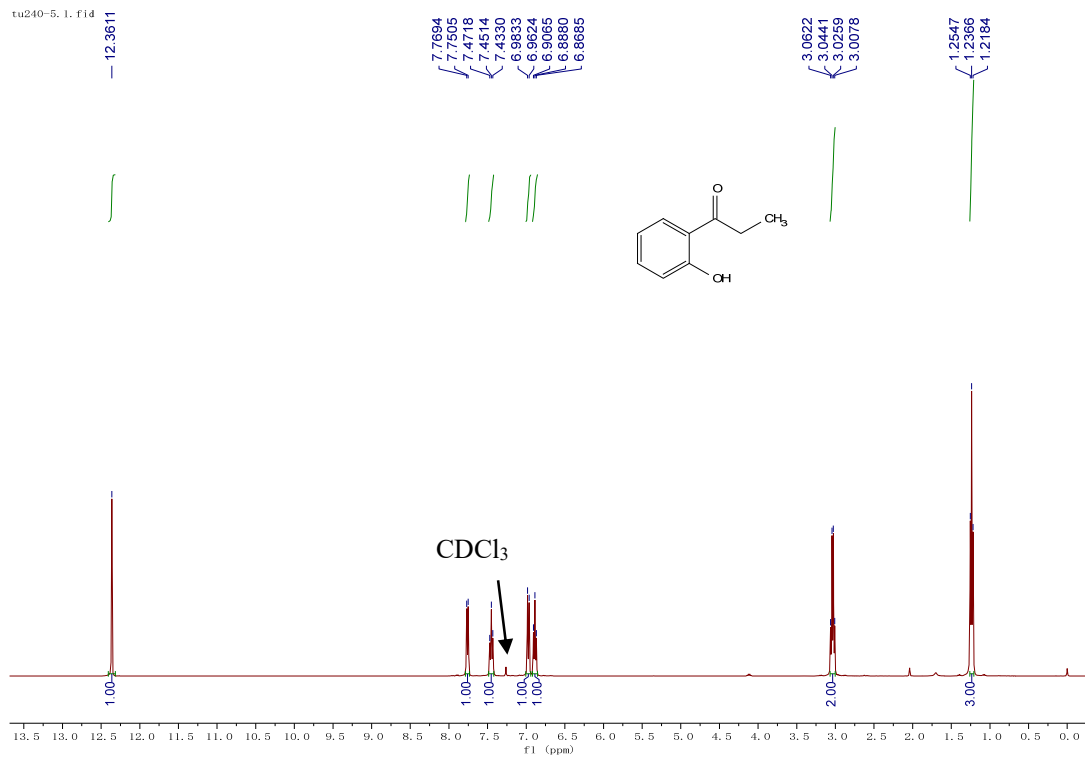
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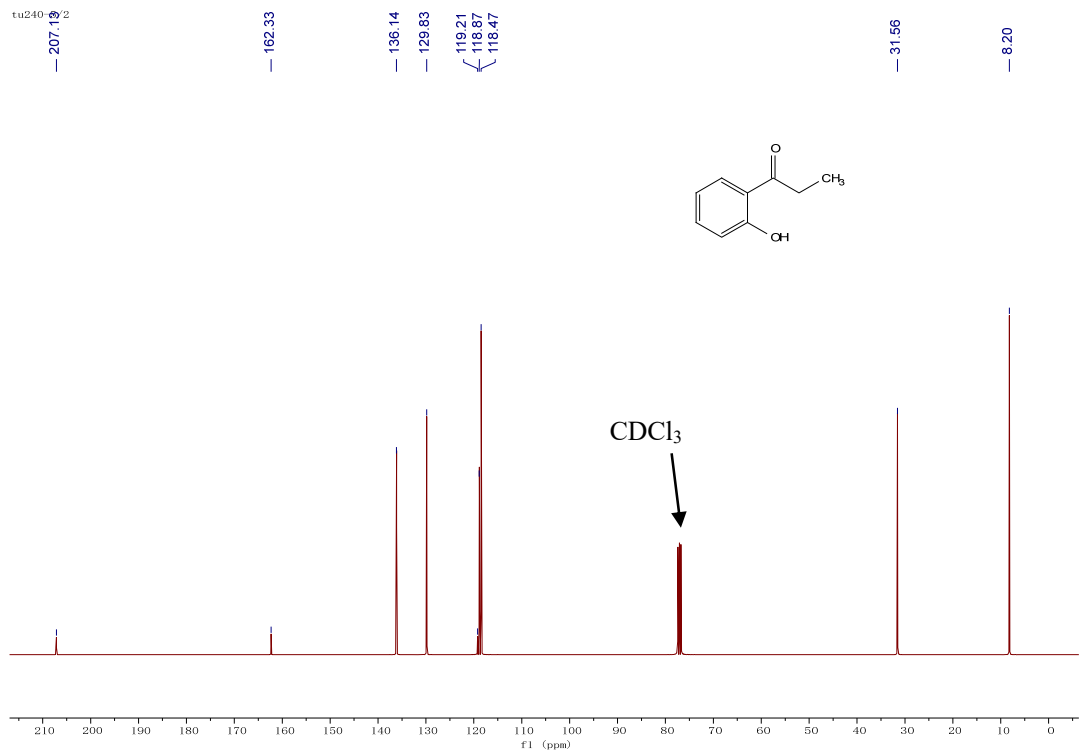
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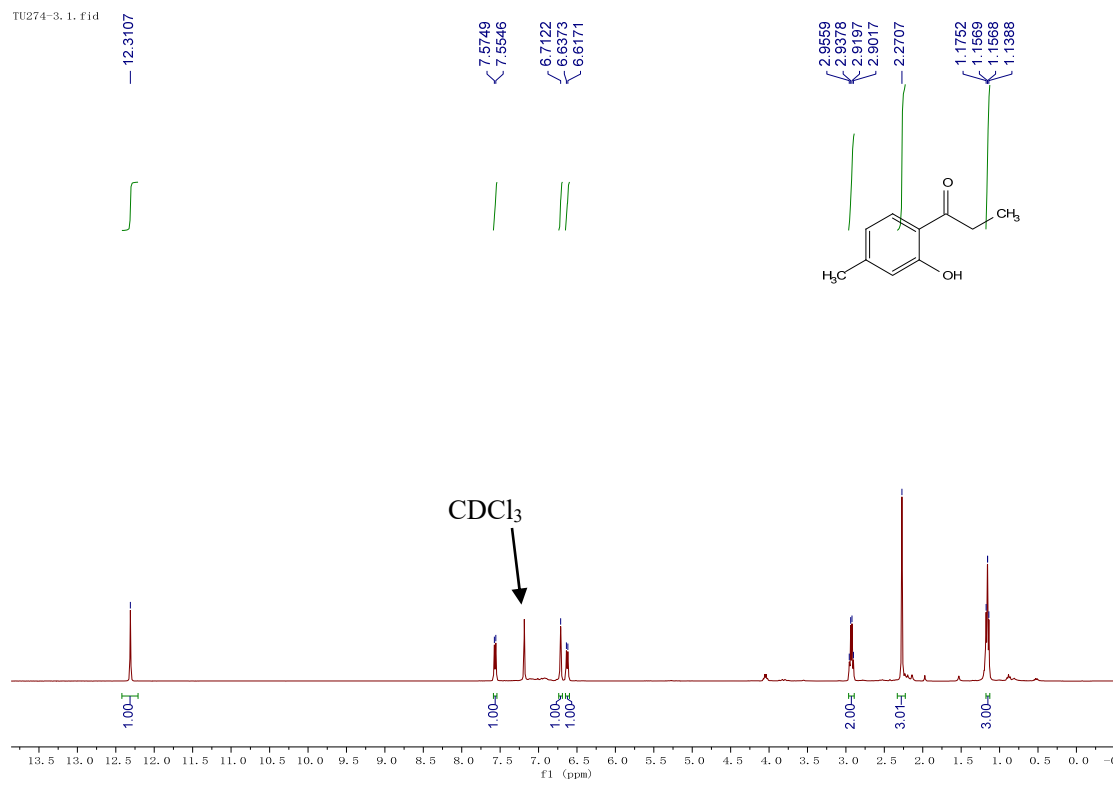
¹H and ¹³C NMR spectra of all products



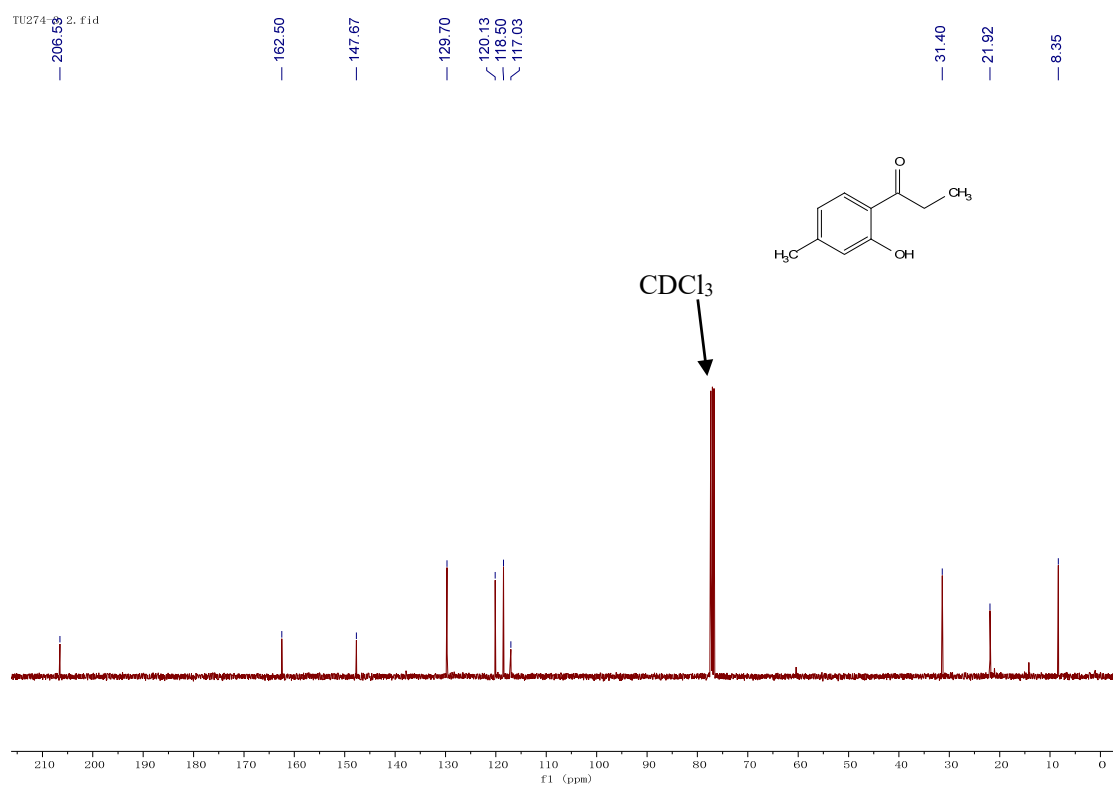
¹H NMR spectrum of **3a** (400 MHz, CDCl₃)



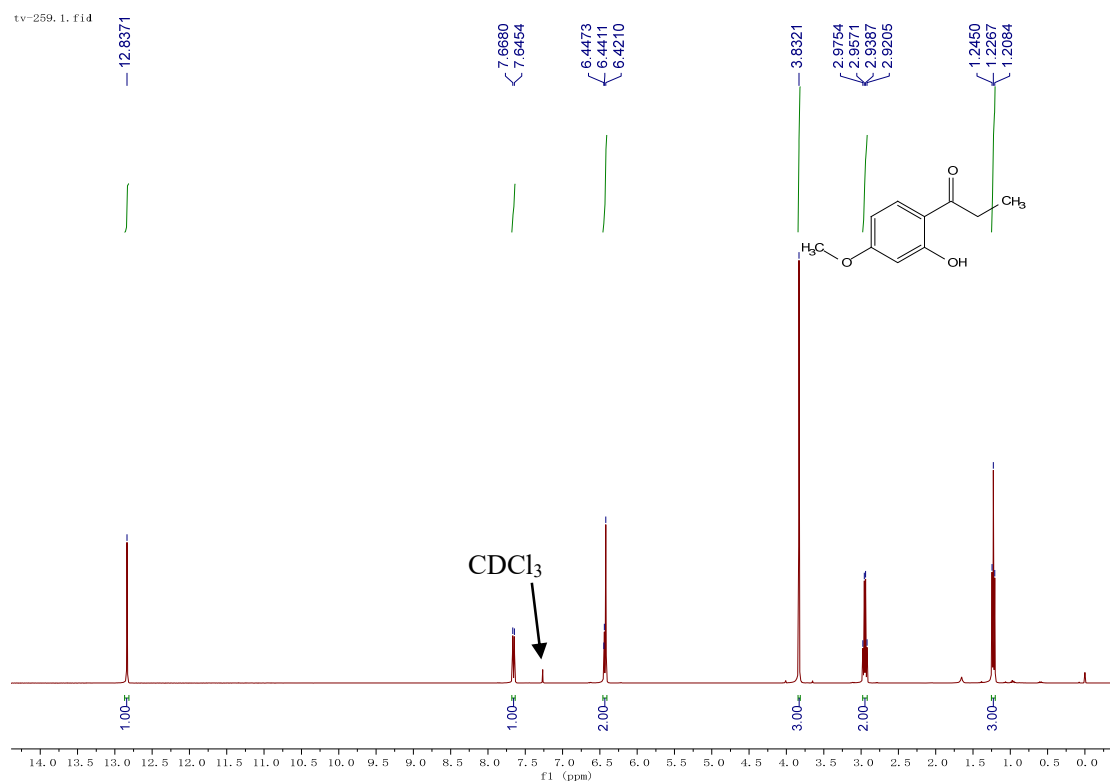
¹³C NMR spectrum of **3a** (100 MHz, CDCl₃)



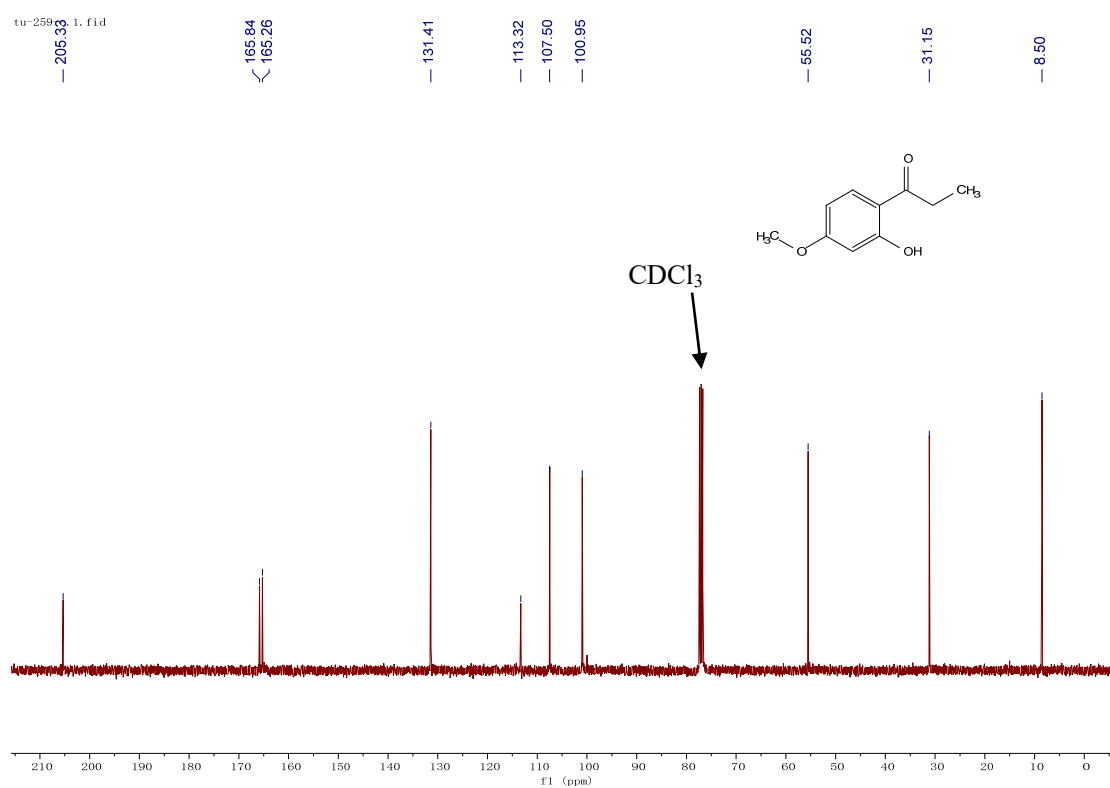
¹H NMR spectrum of **3b** (400 MHz, CDCl₃)



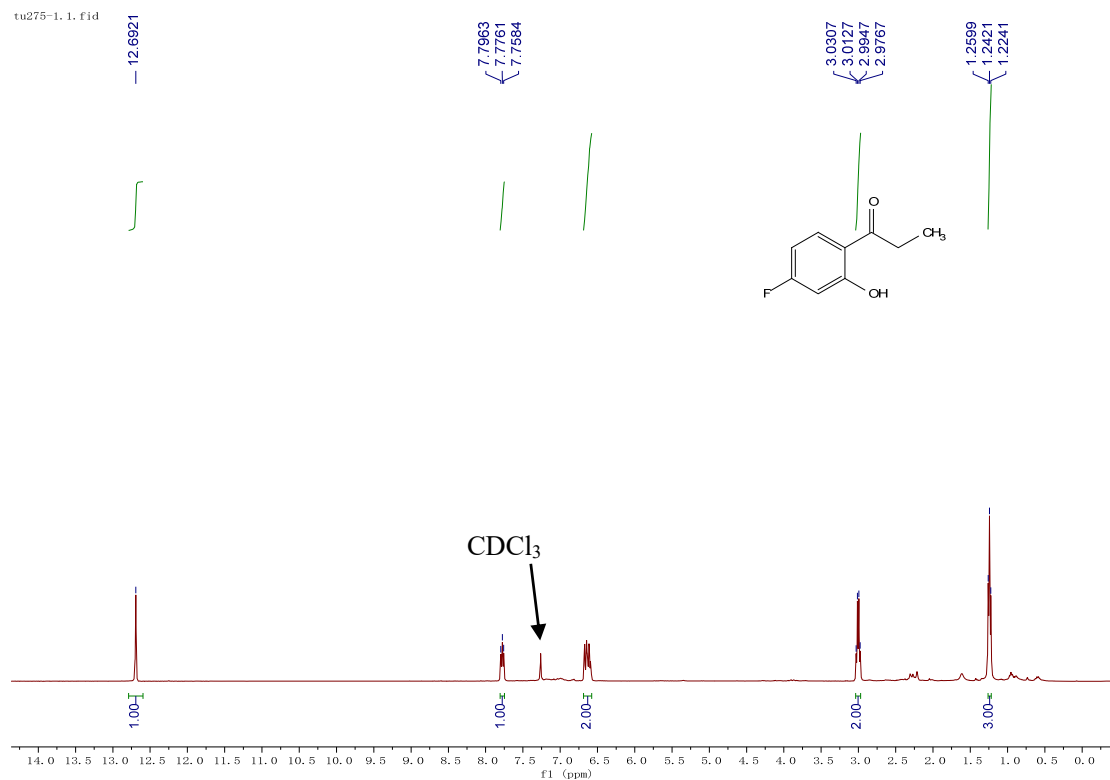
¹³C NMR spectrum of **3b** (100 MHz, CDCl₃)



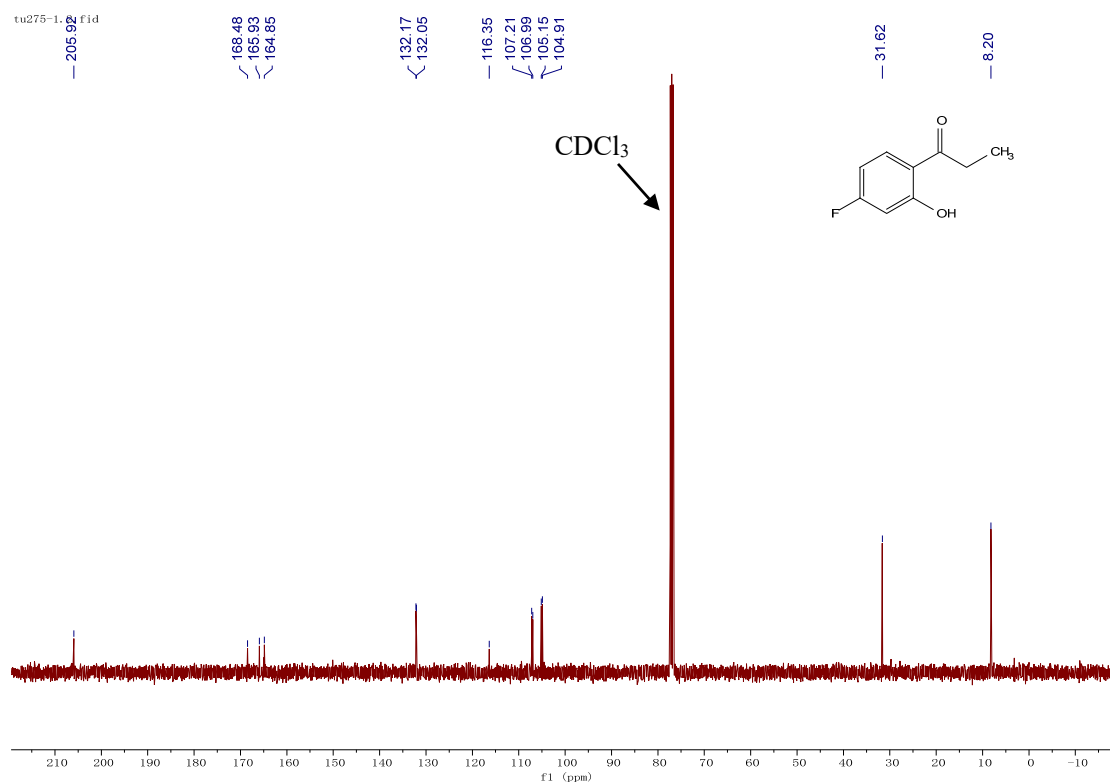
¹H NMR spectrum of **3c** (400 MHz, CDCl₃)



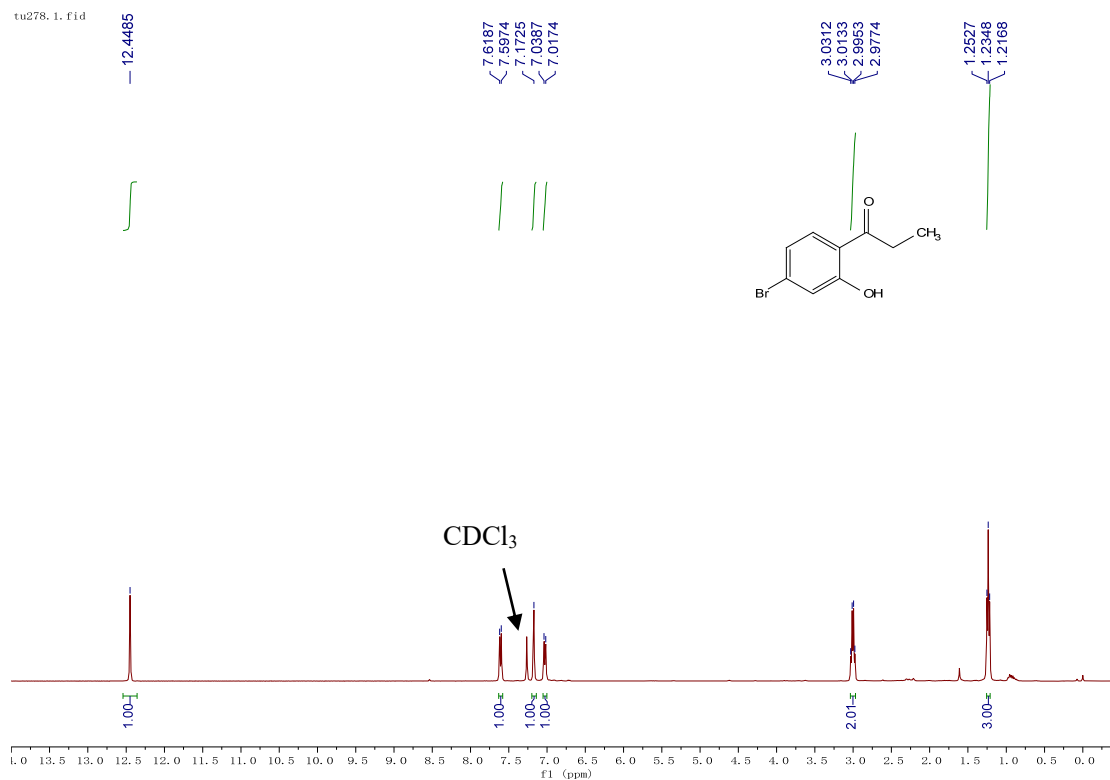
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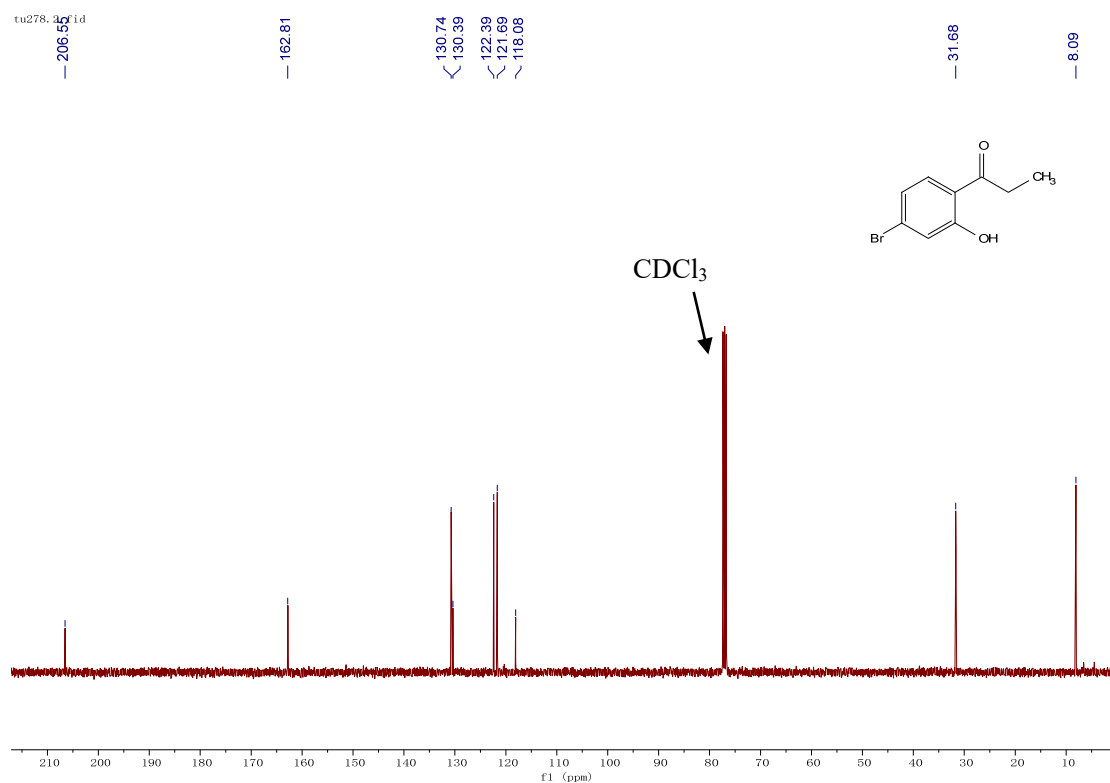
¹H NMR spectrum of **3d** (400 MHz, CDCl₃)



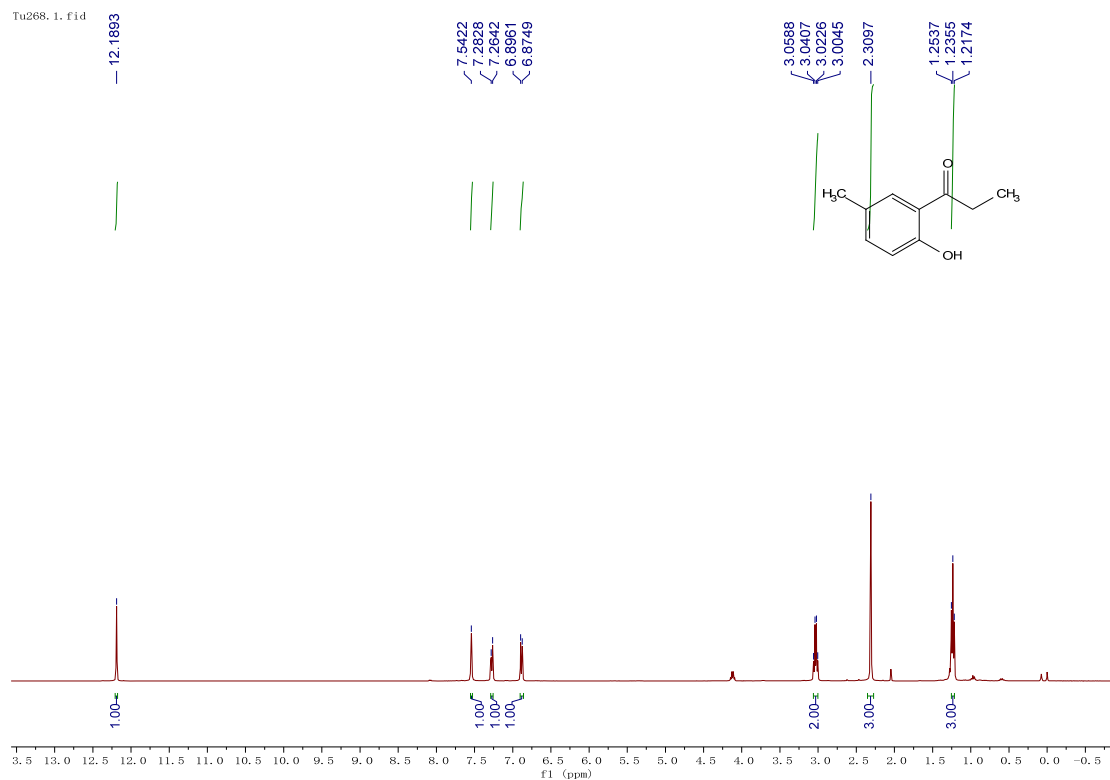
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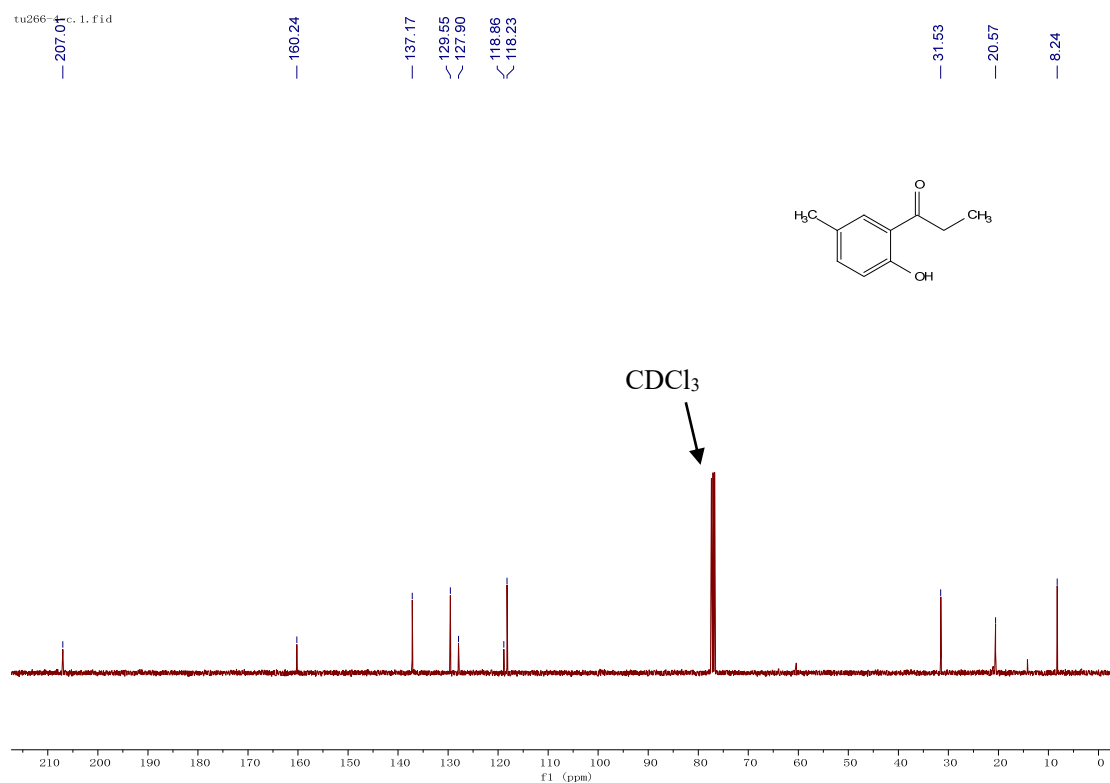
¹H NMR spectrum of **3e** (400 MHz, CDCl₃)



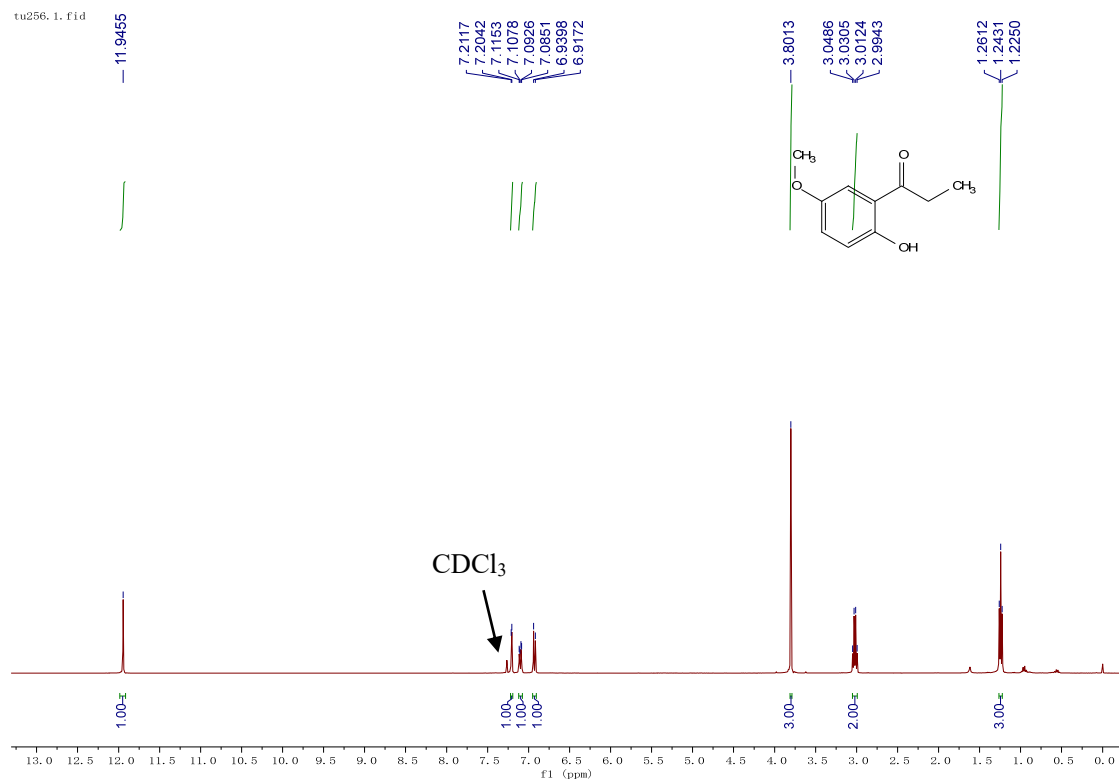
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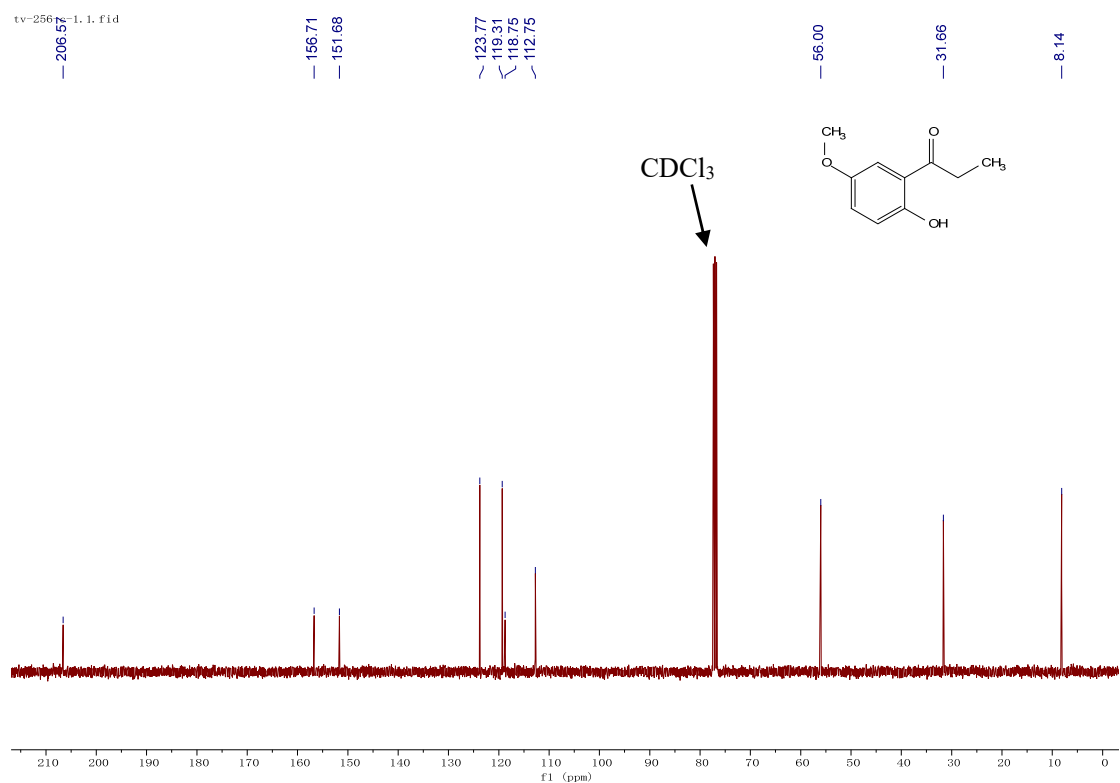
^1H NMR spectrum of **3f** (400 MHz, CDCl_3)



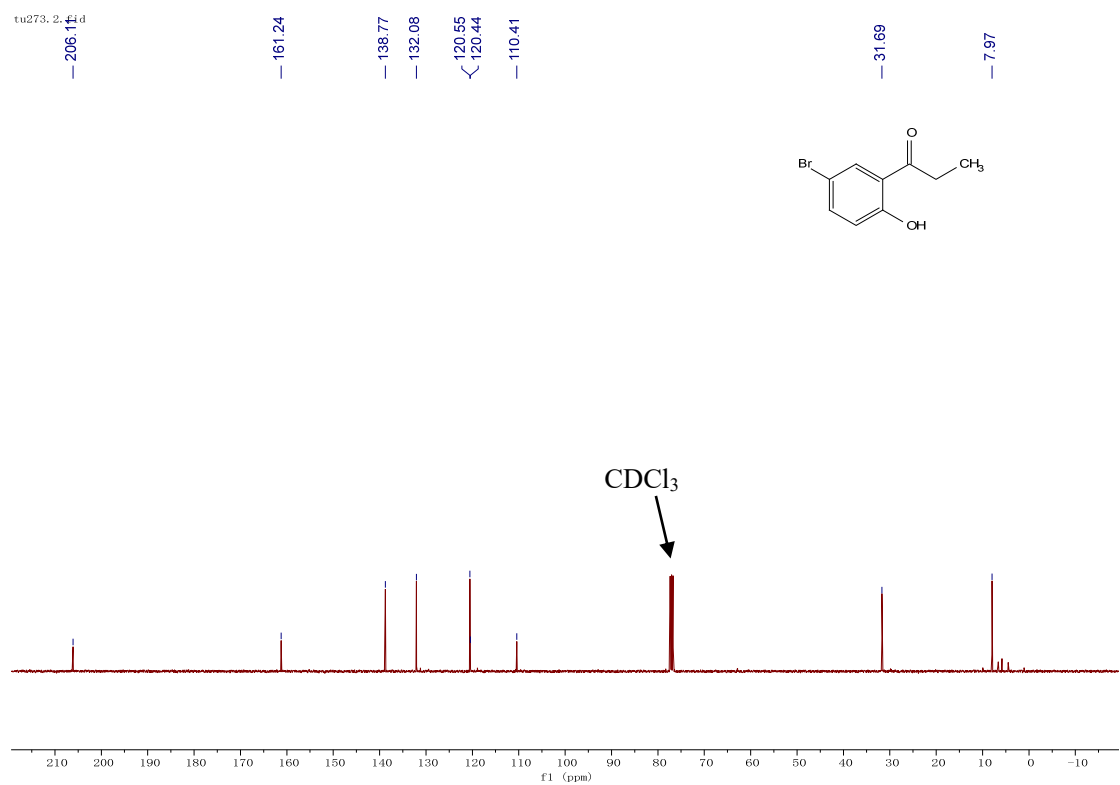
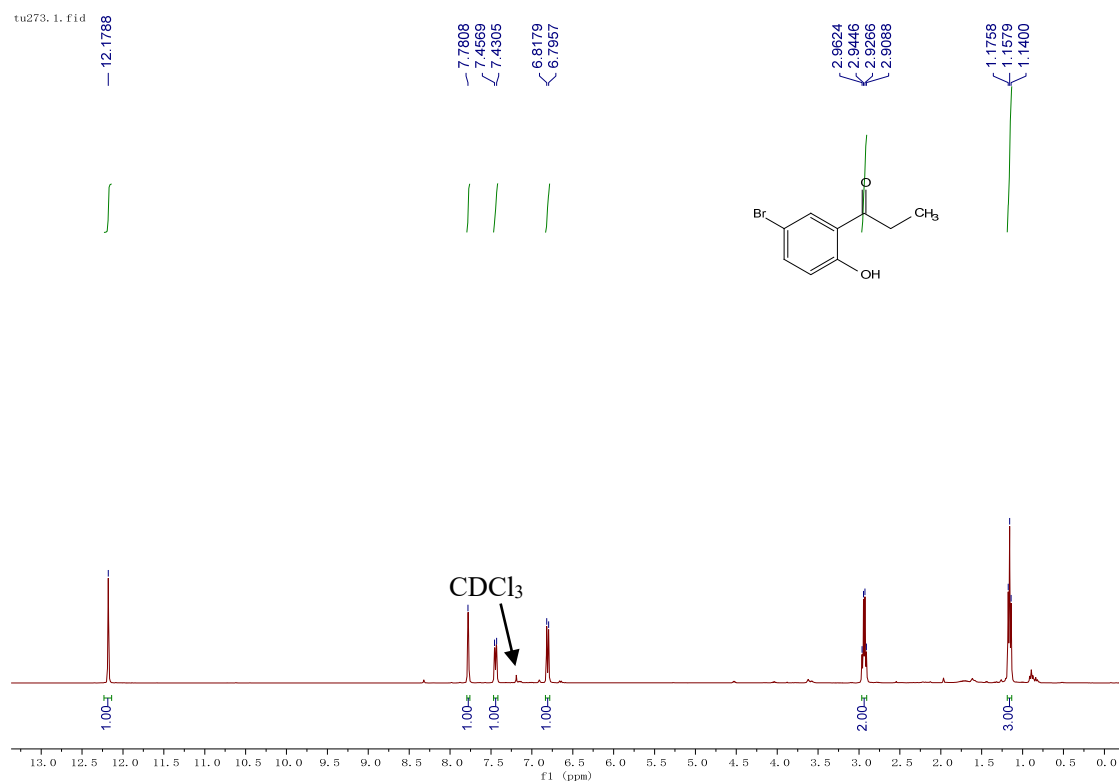
^{13}C NMR spectrum of **3f** (100 MHz, CDCl_3)

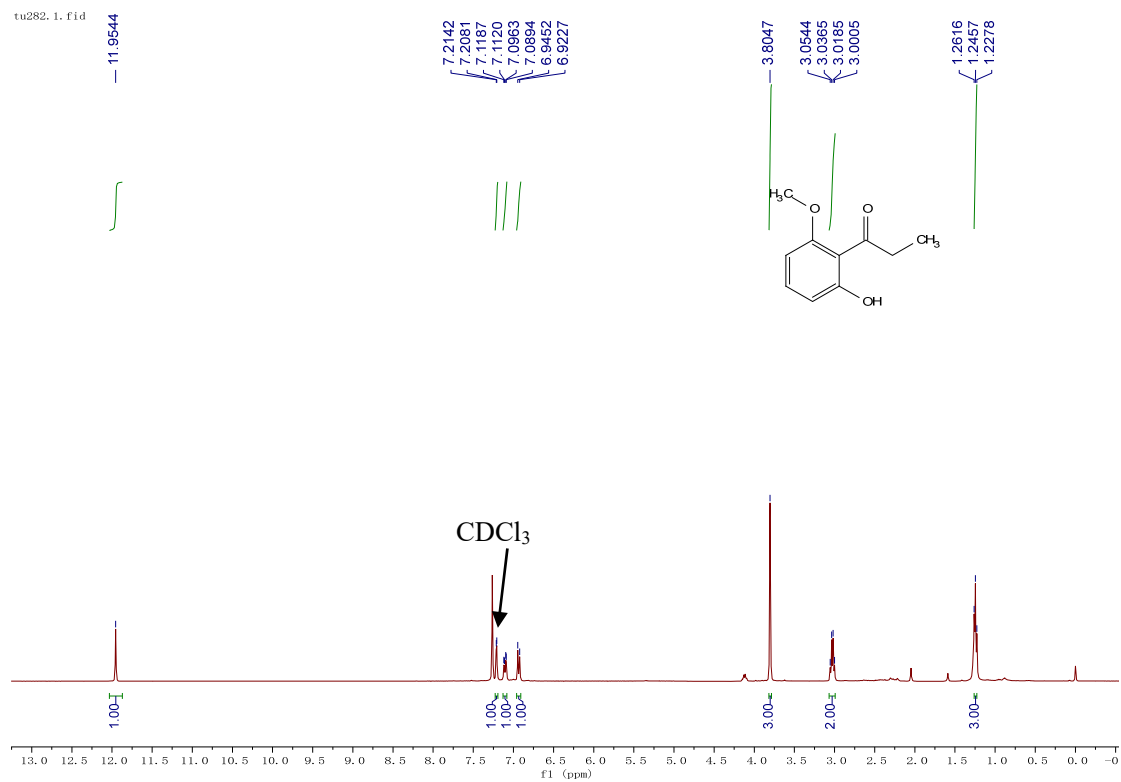


¹H NMR spectrum of **3g** (400 MHz, CDCl₃)

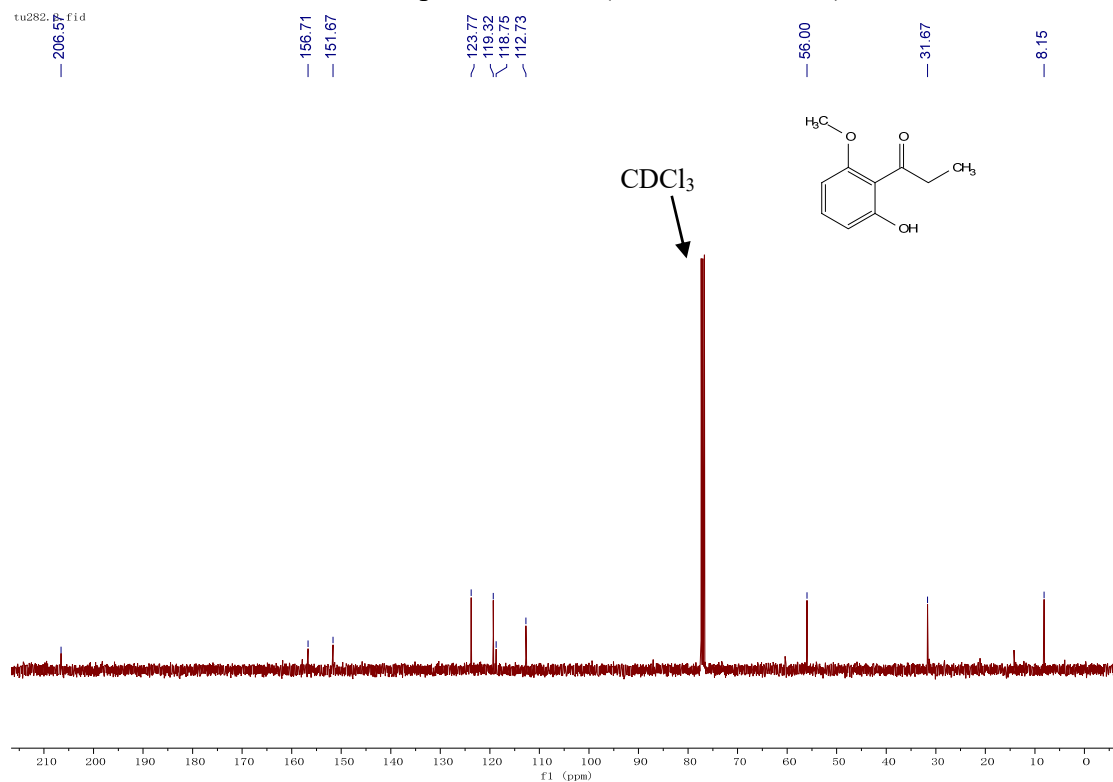


¹³C NMR spectrum of **3g** (100 MHz, CDCl₃)

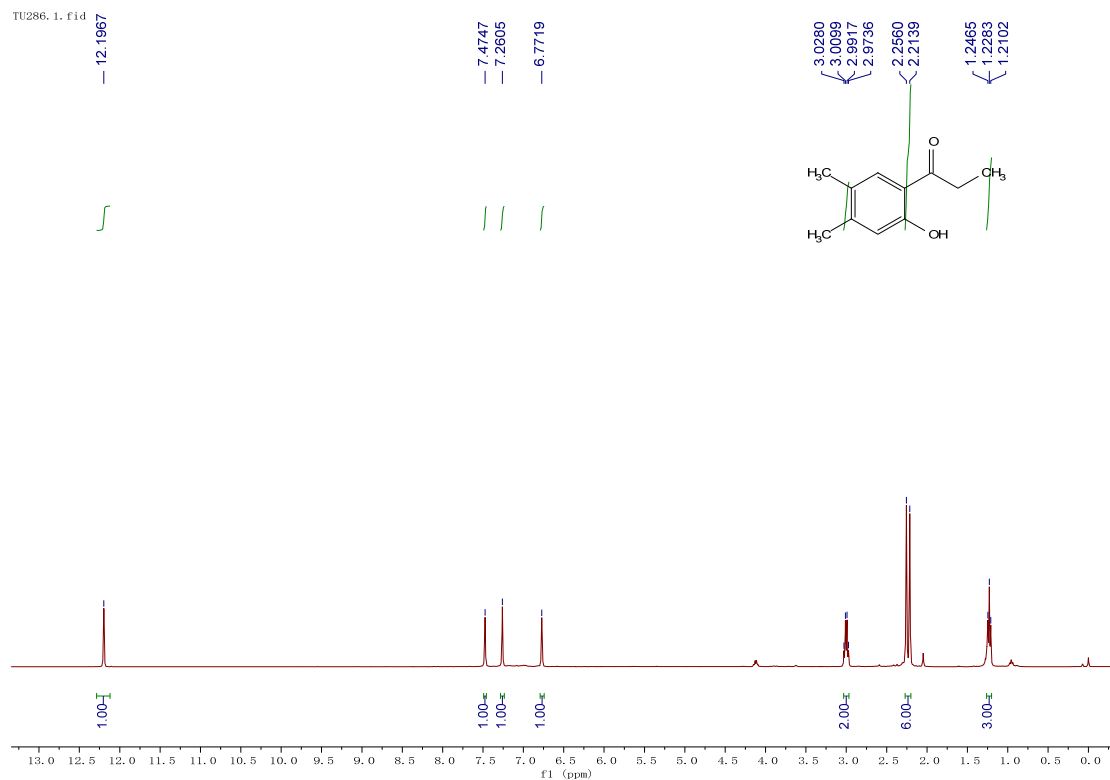




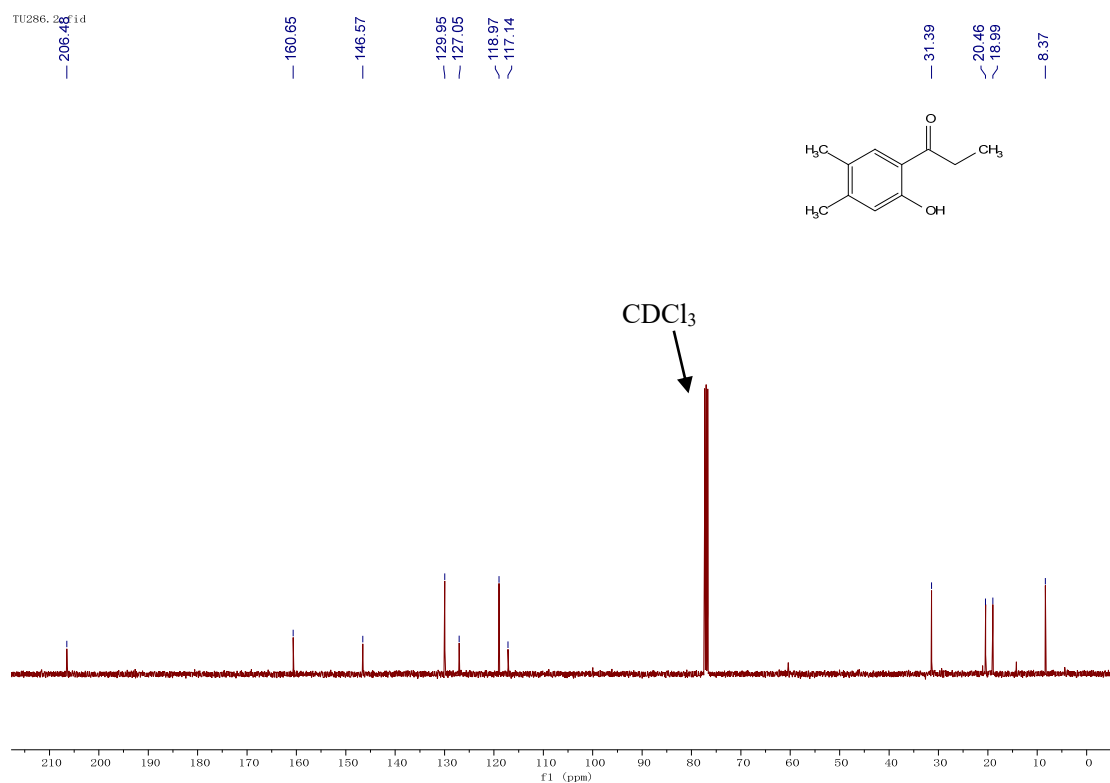
¹H NMR spectrum of **3i** (400 MHz, CDCl₃)



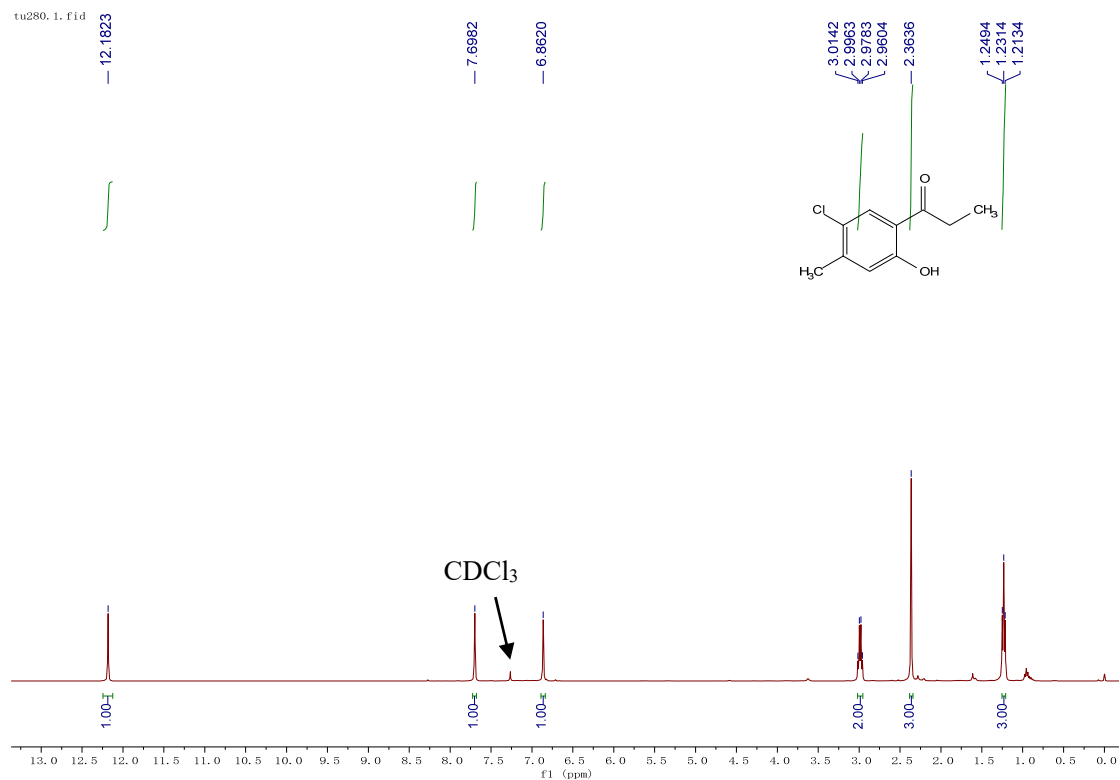
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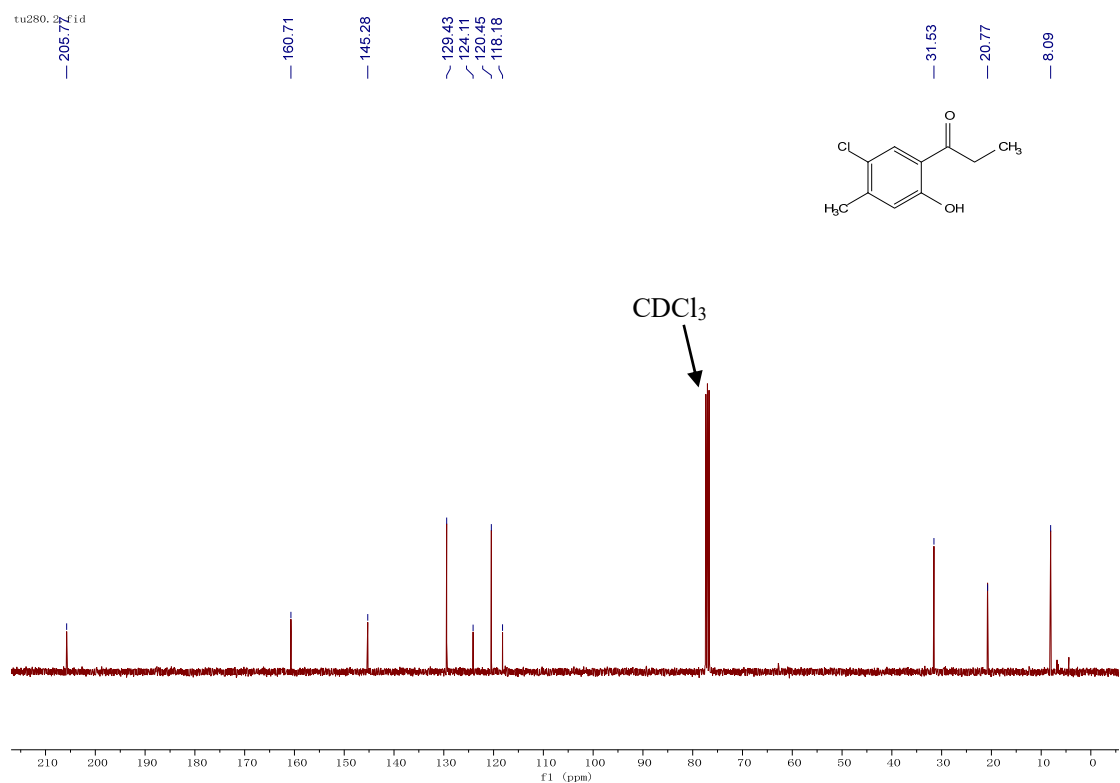
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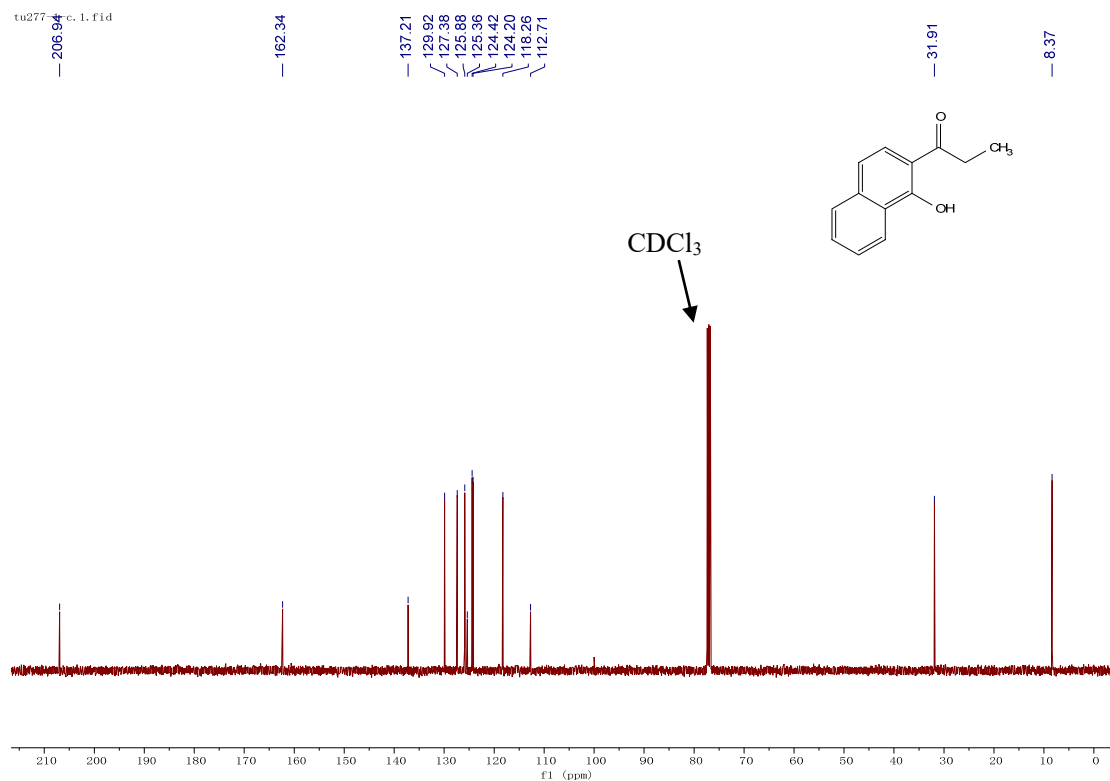
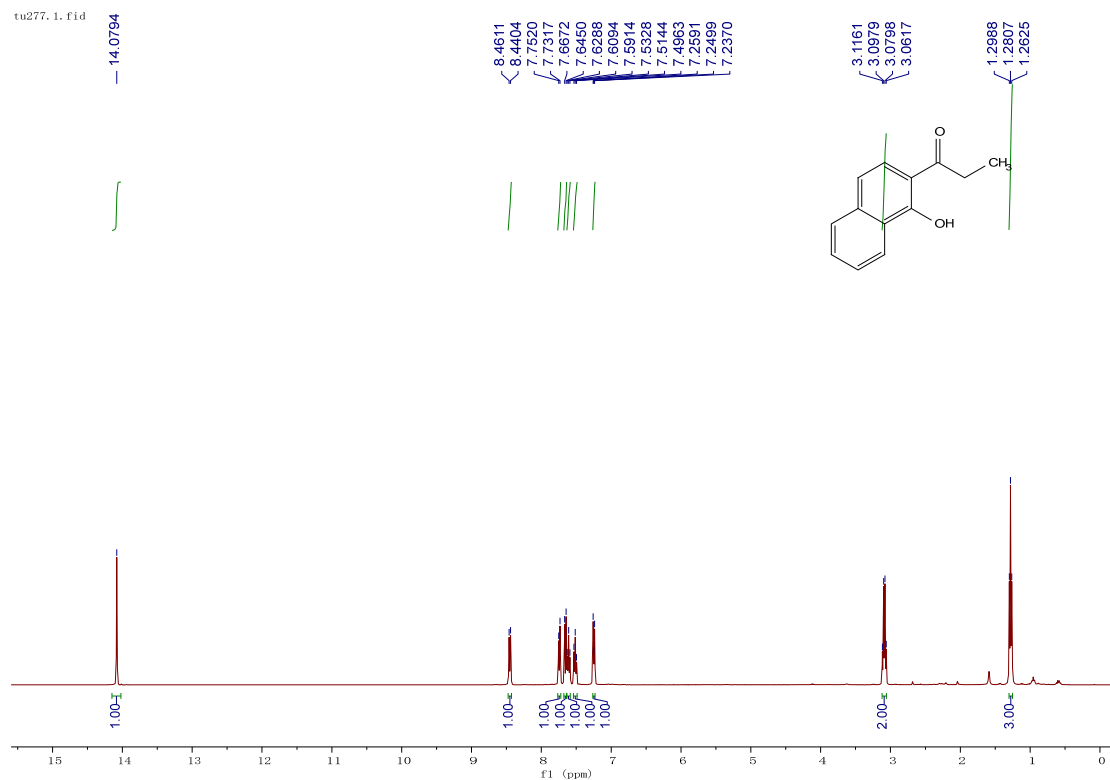
^{13}C NMR spectrum of **3j** (100 MHz, CDCl_3)

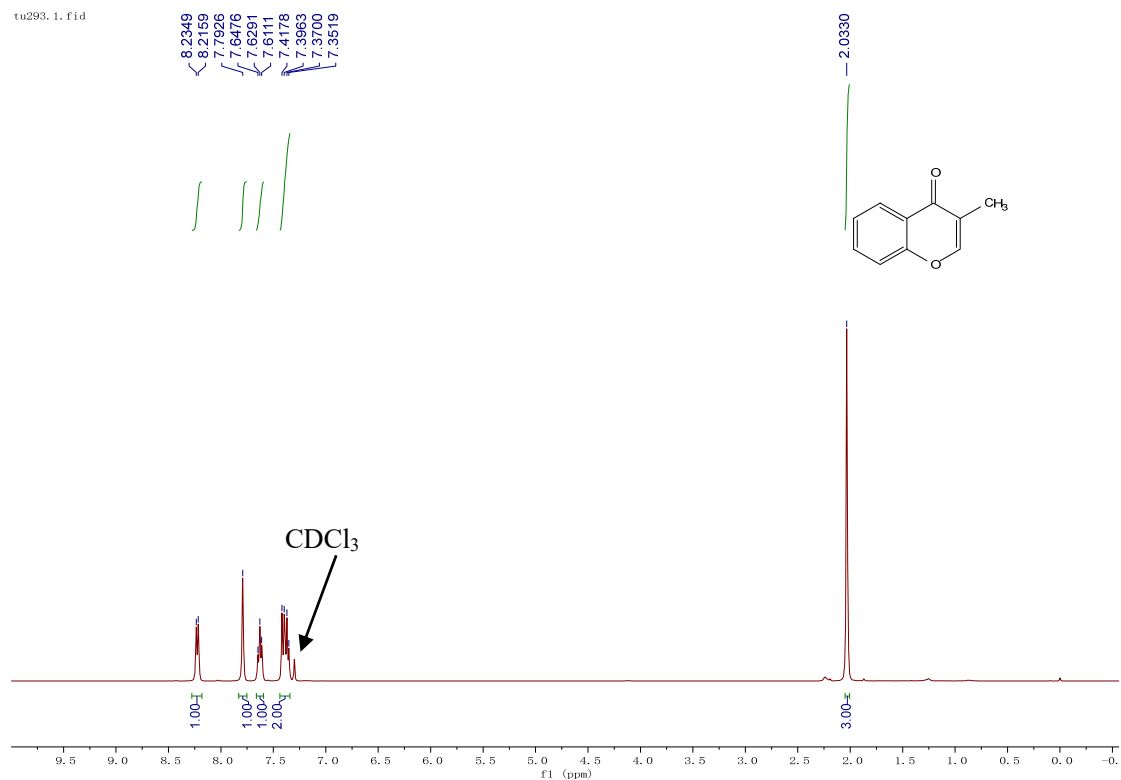


¹H NMR spectrum of **3k** (400 MHz, CDCl₃)

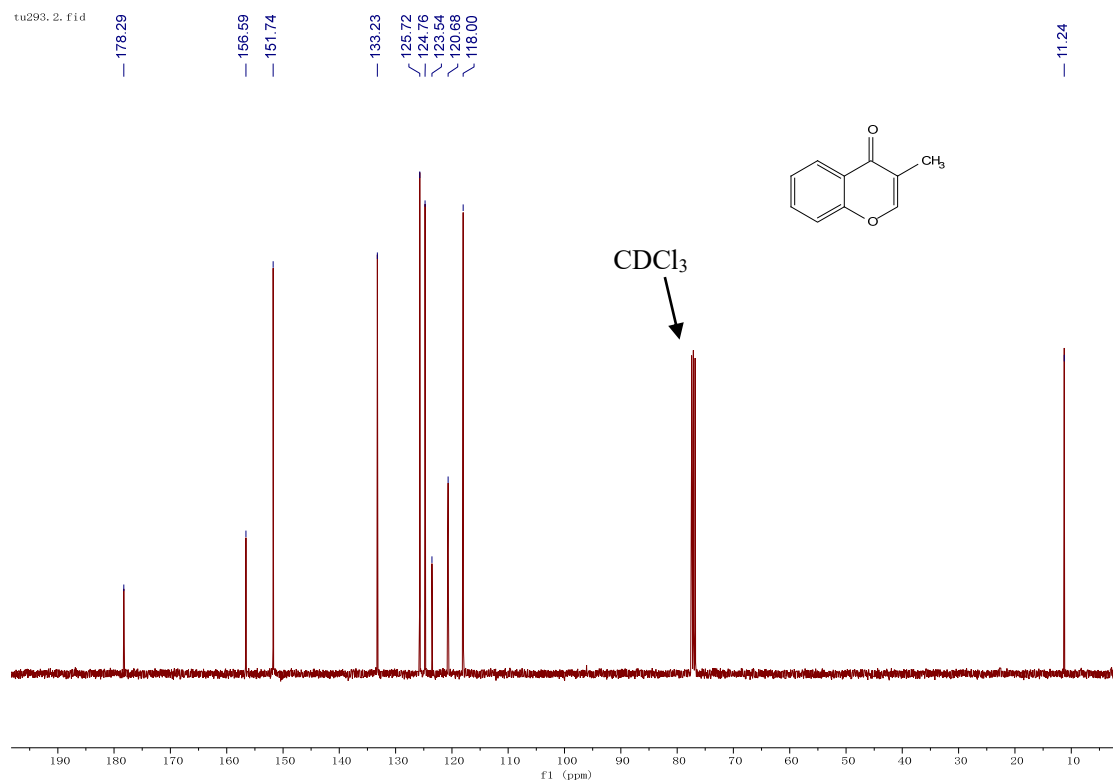


¹³C NMR spectrum of **3k** (100 MHz, CDCl₃)

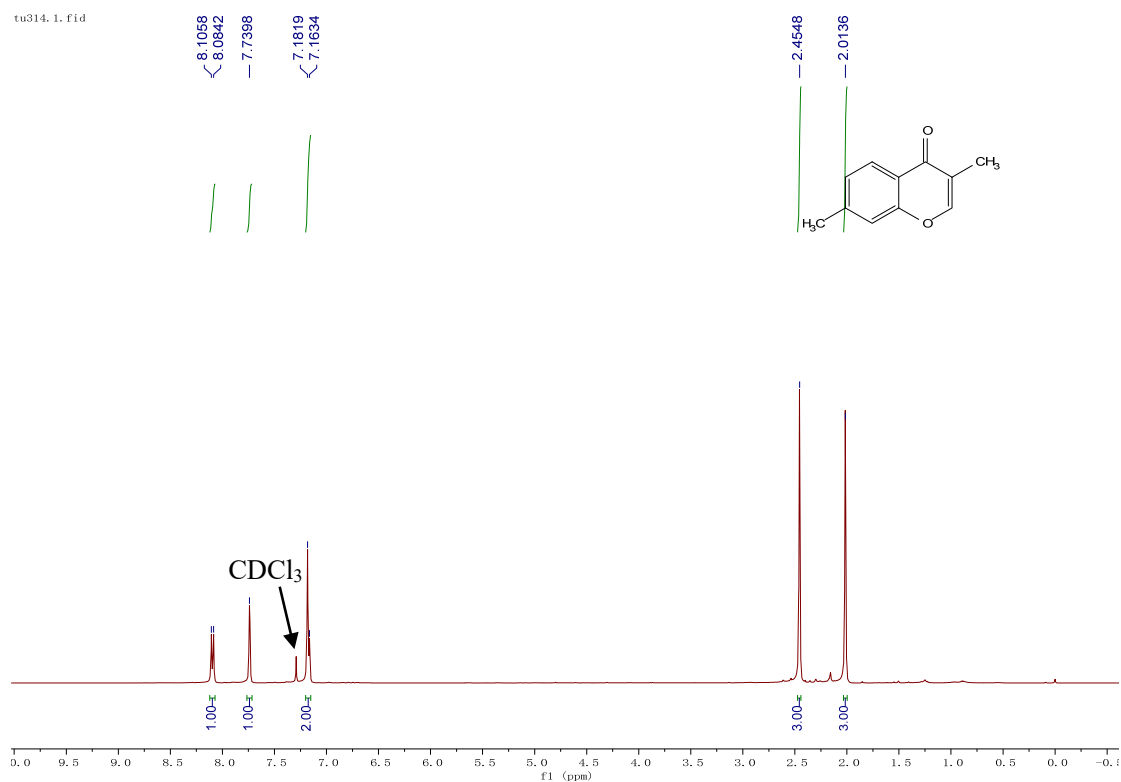




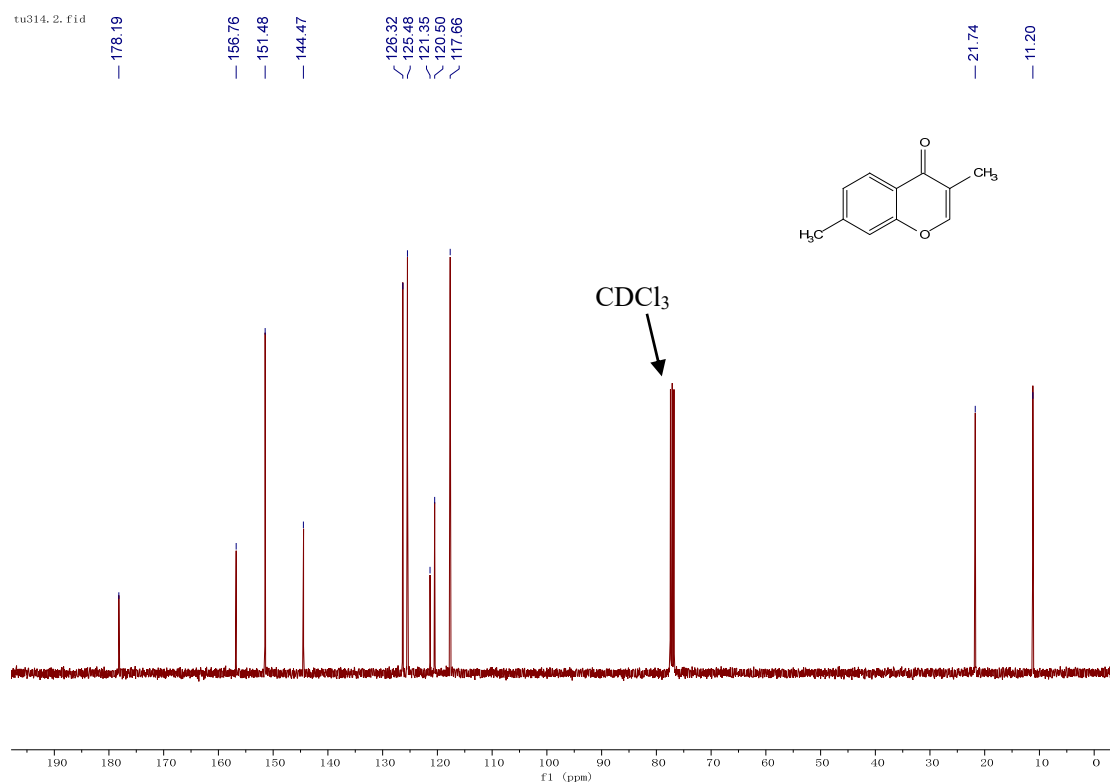
¹H NMR spectrum of **4a** (400 MHz, CDCl₃)



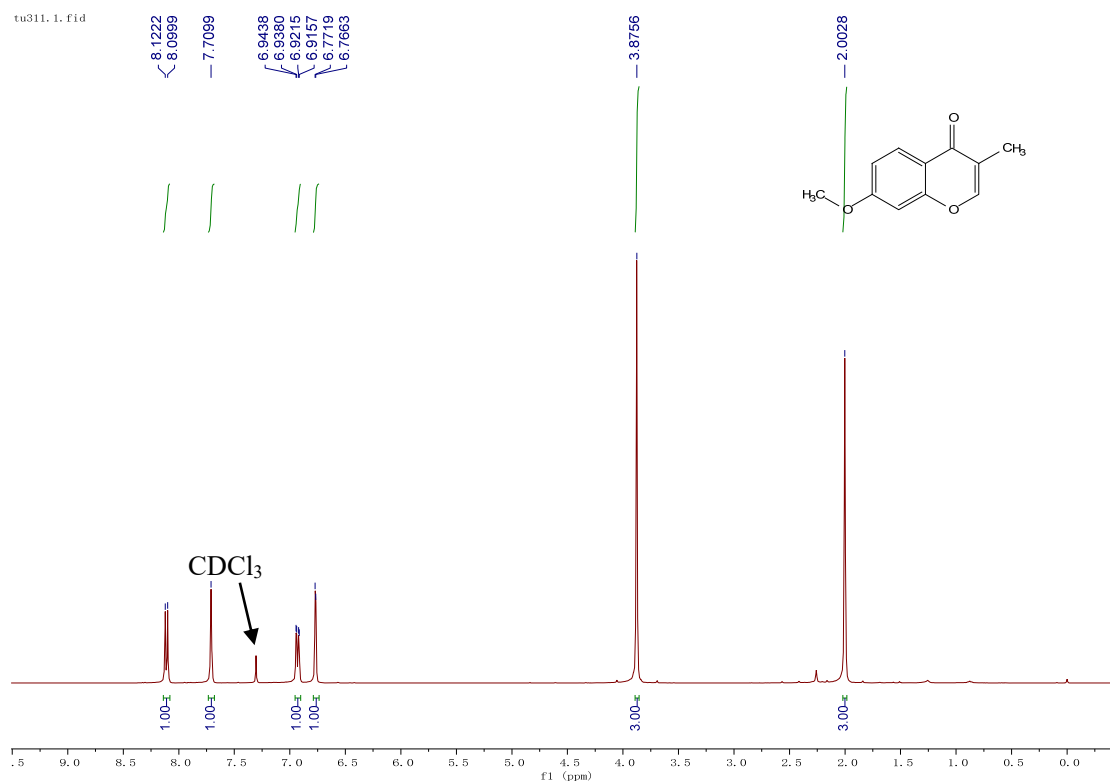
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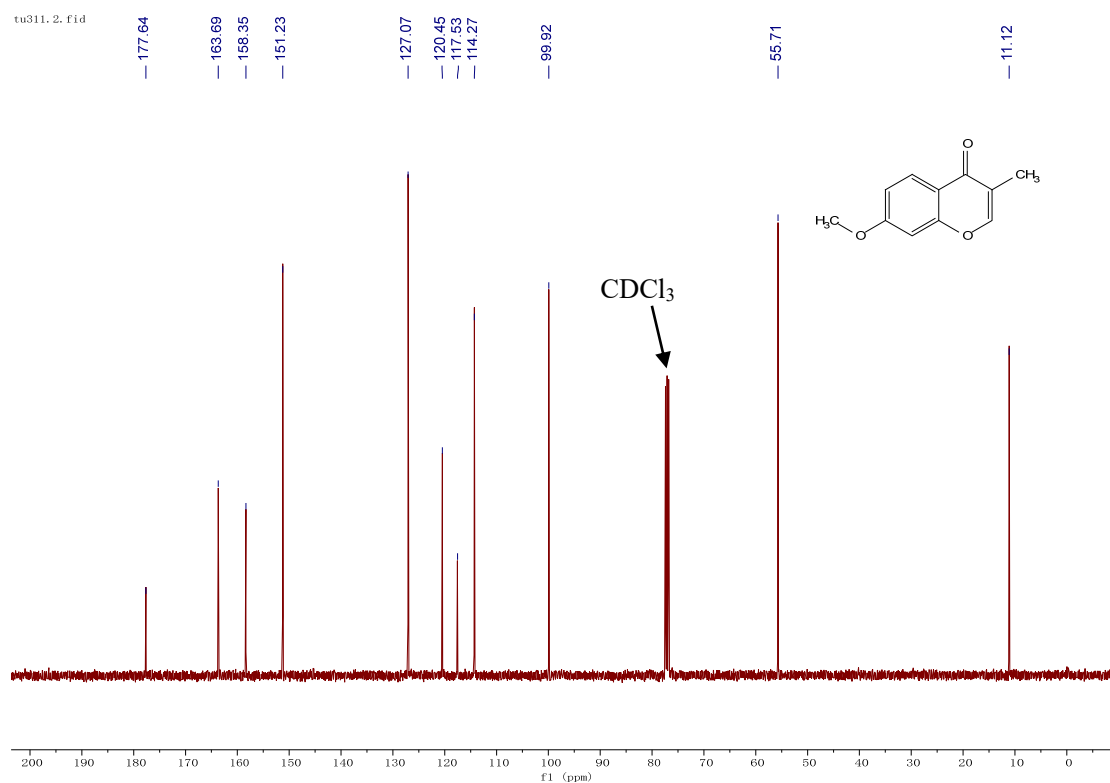
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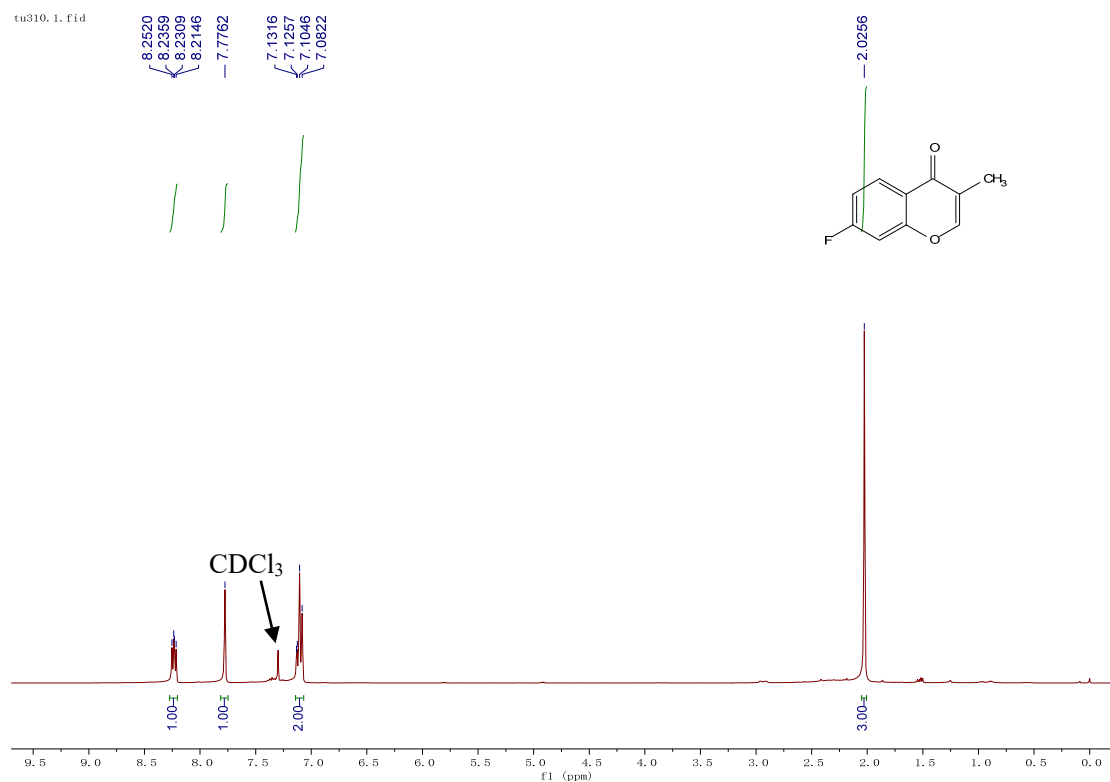
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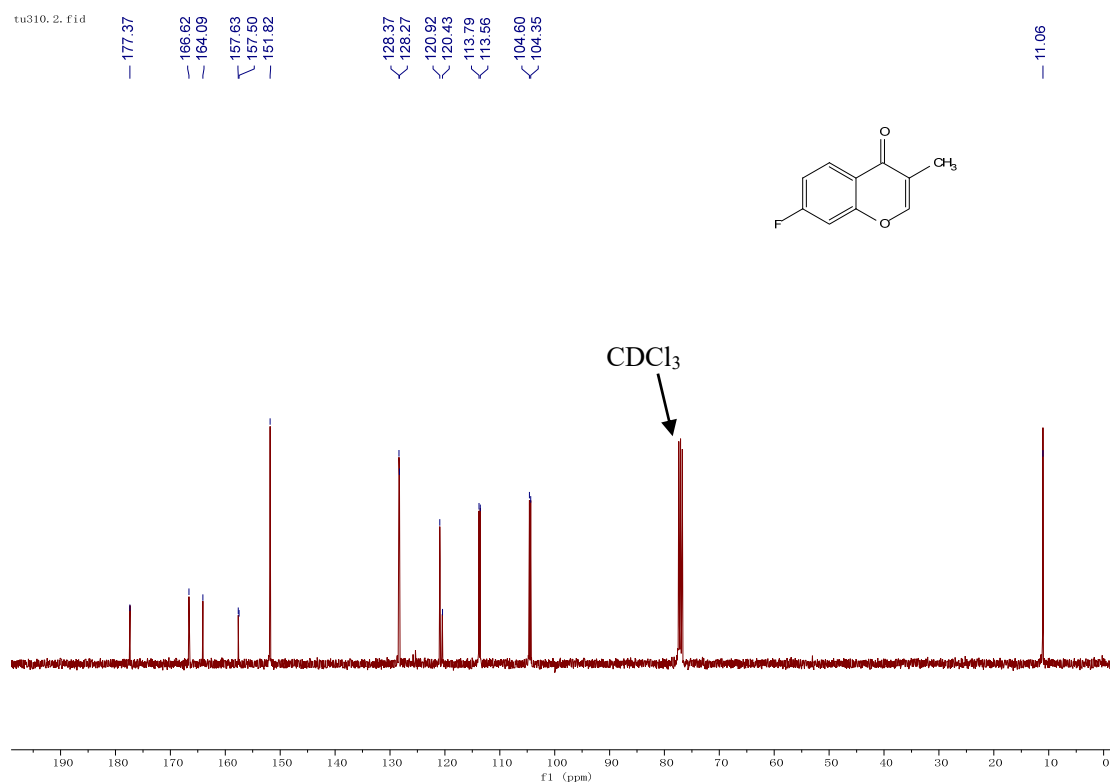
¹H NMR spectrum of **4c** (400 MHz, CDCl₃)



¹³C NMR spectrum of **4c** (100 MHz, CDCl₃)

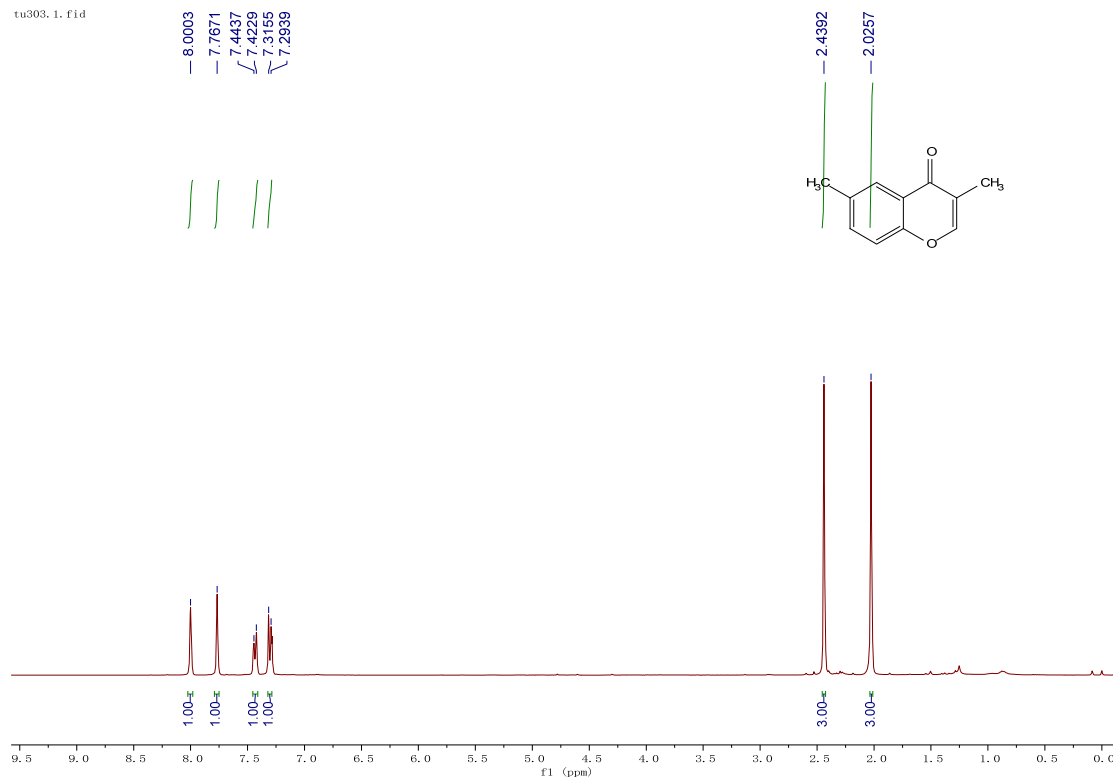


¹H NMR spectrum of **4d** (400 MHz, CDCl₃)



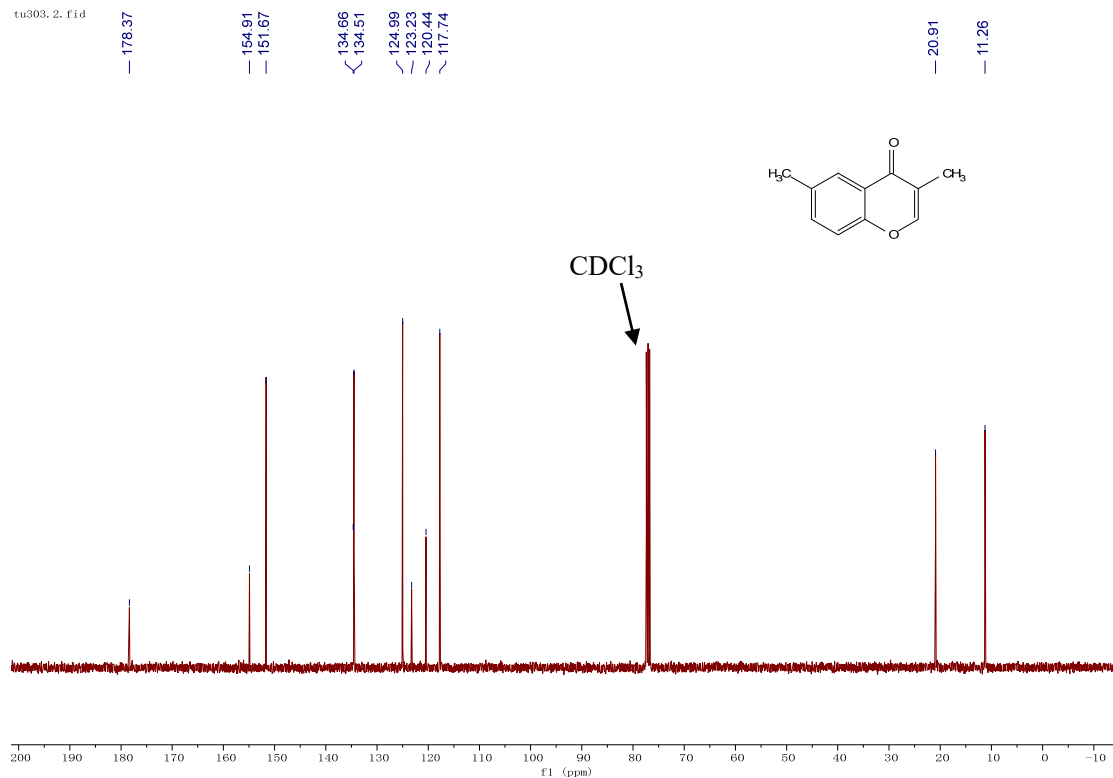
¹³C NMR spectrum of **4d** (100 MHz, CDCl₃)

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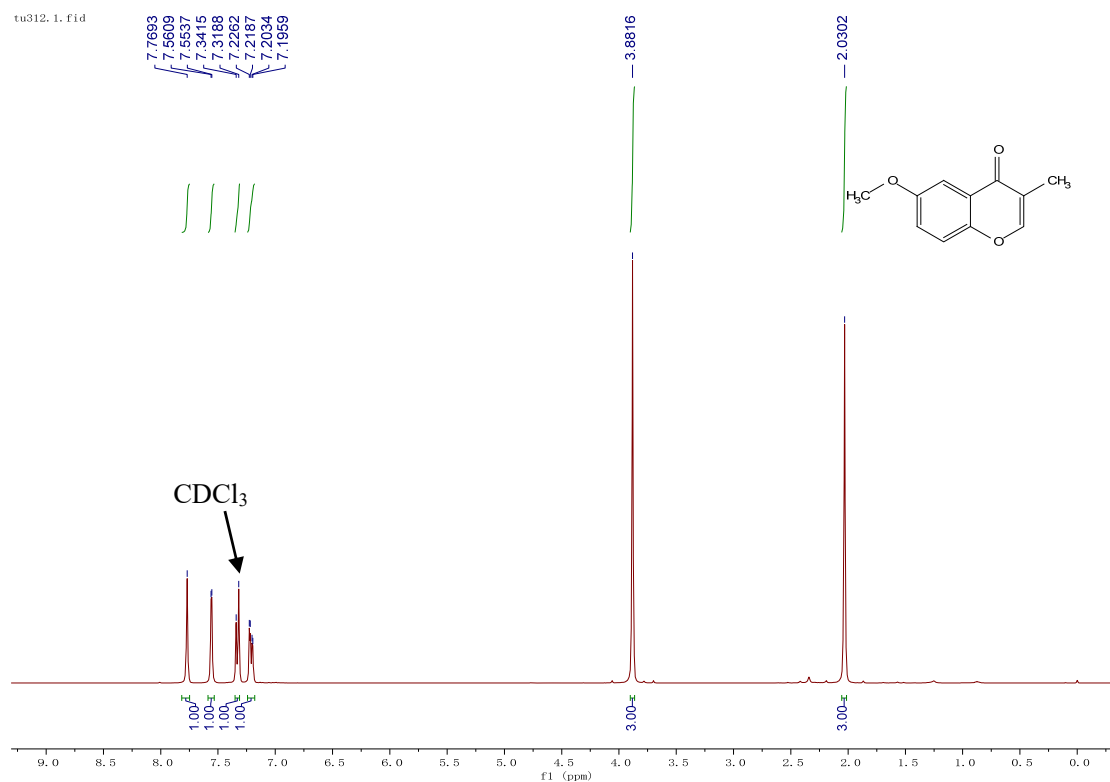


^1H NMR spectrum of **4e** (400 MHz, CDCl_3)

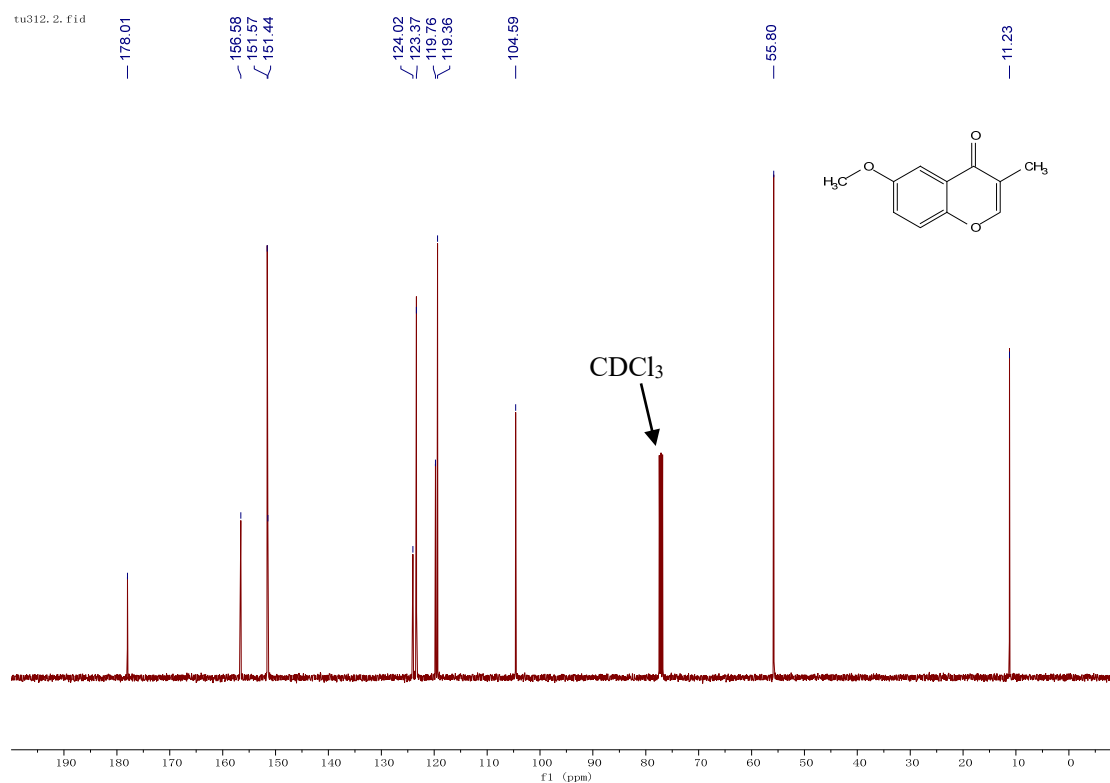
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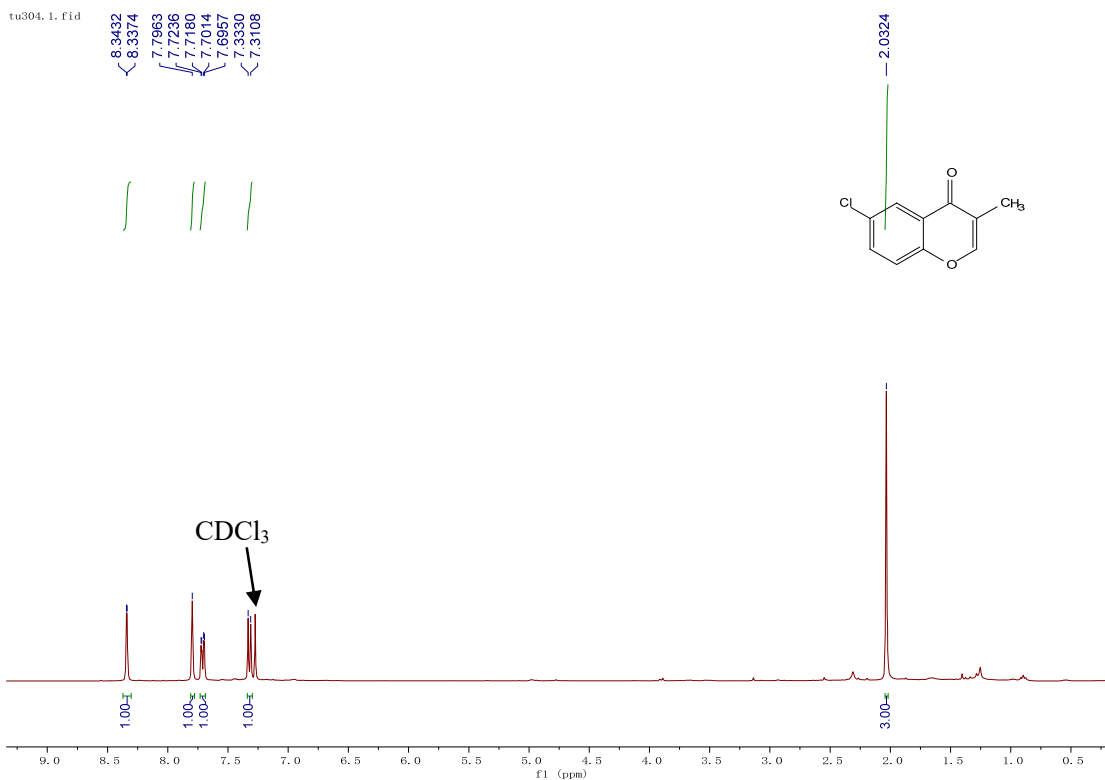
^{13}C NMR spectrum of **4e** (100 MHz, CDCl_3)



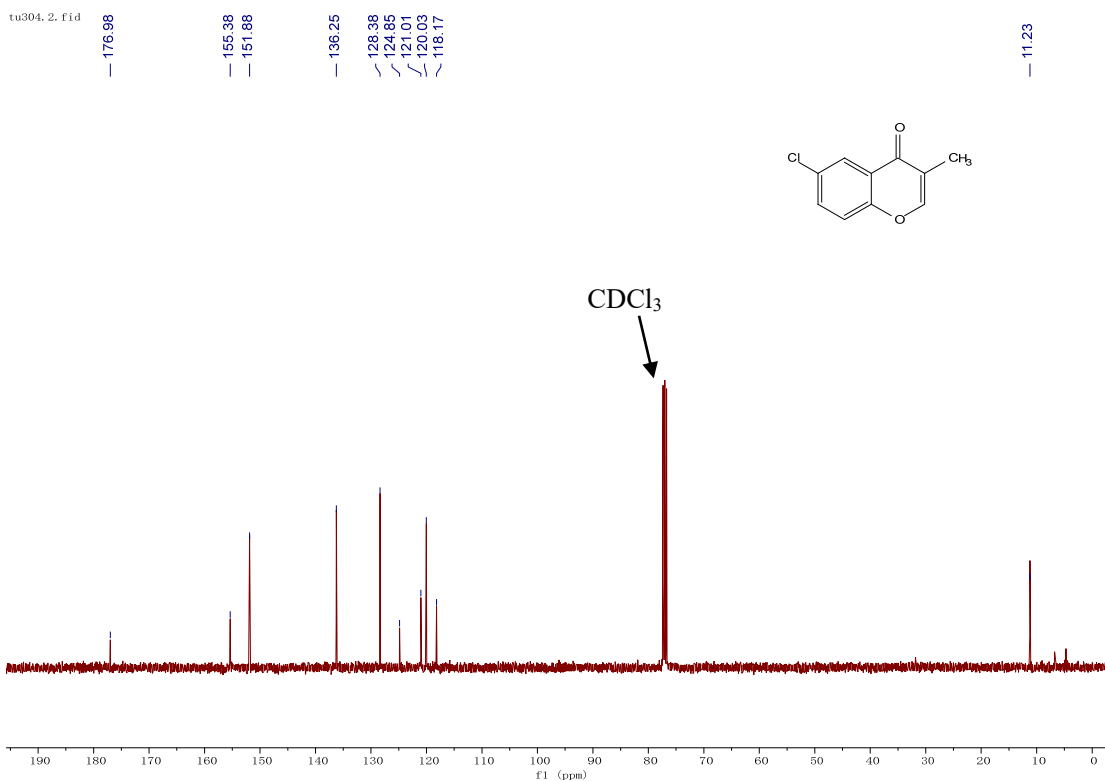
¹H NMR spectrum of **4f** (400 MHz, CDCl₃)



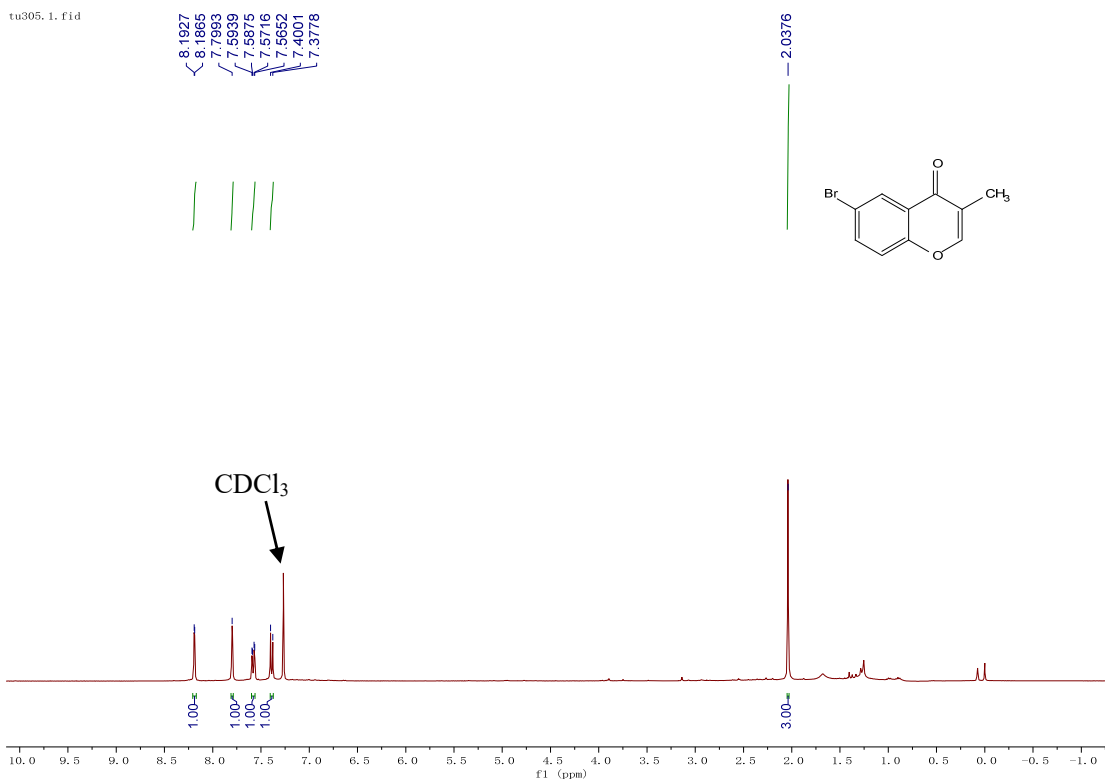
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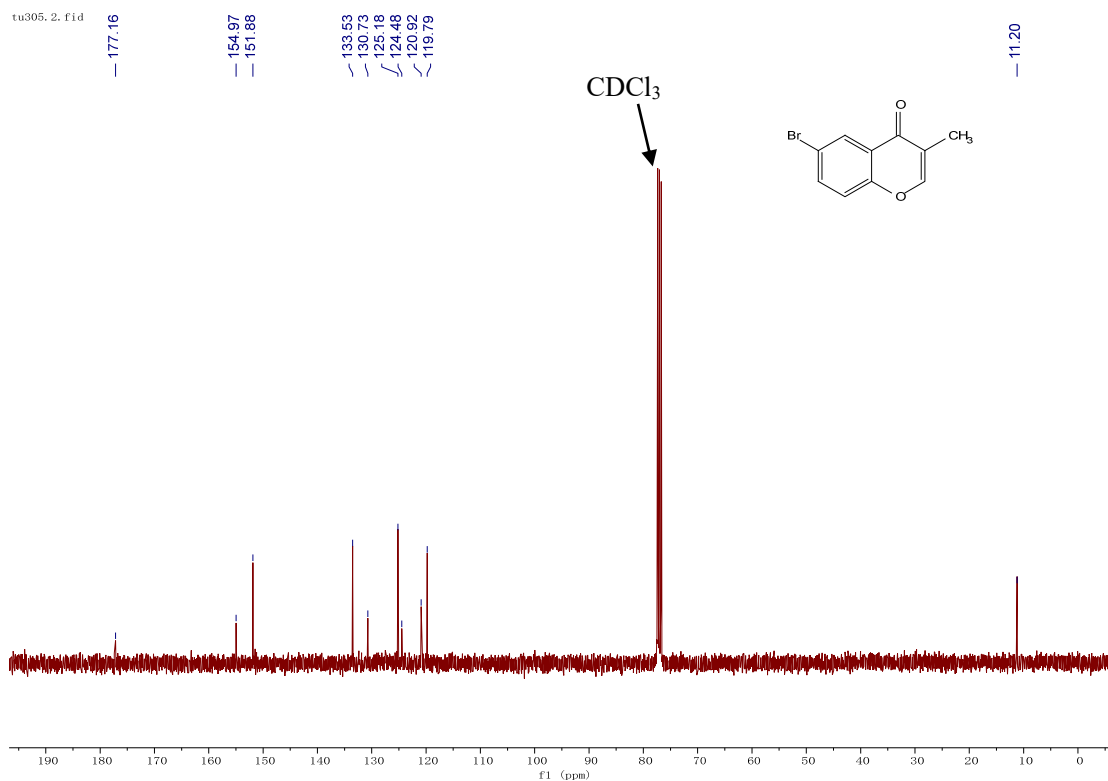
¹H NMR spectrum of **4g** (400 MHz, CDCl₃)



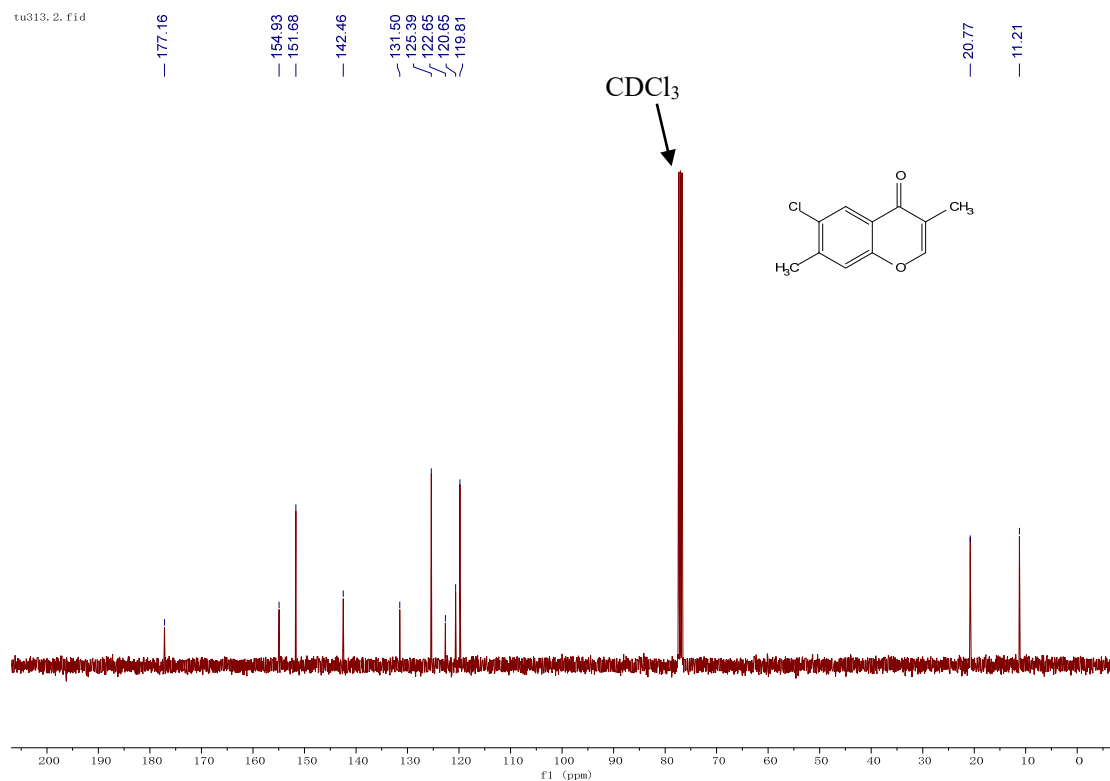
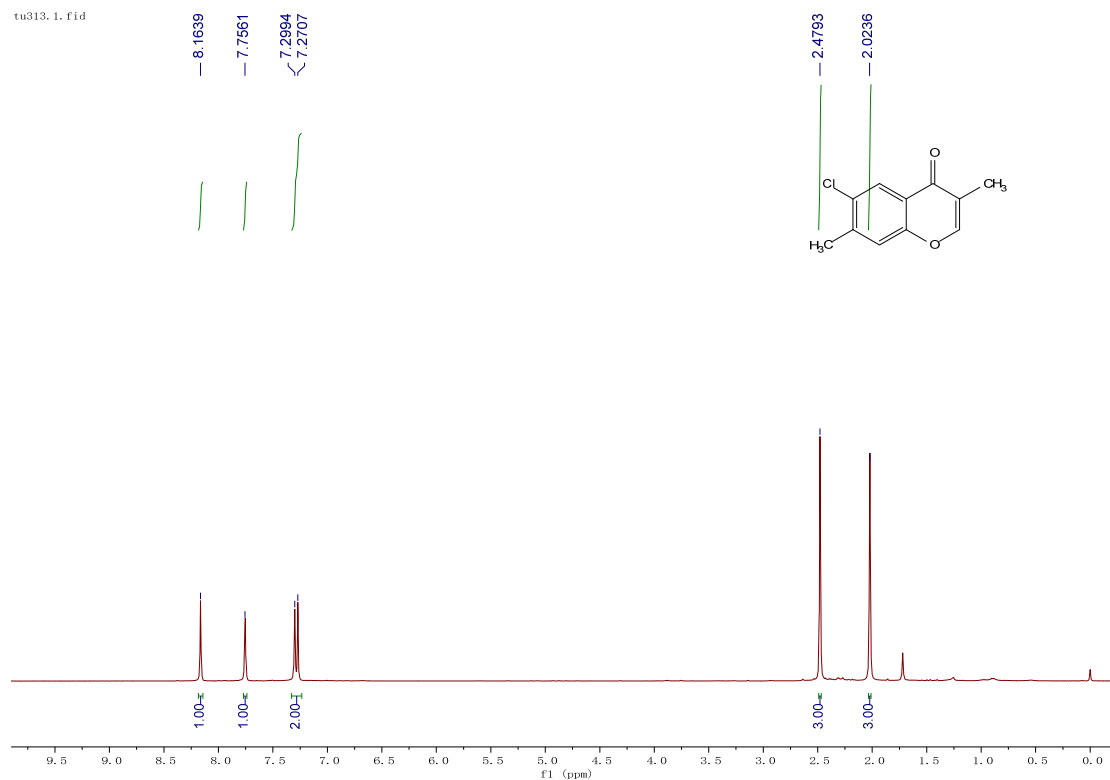
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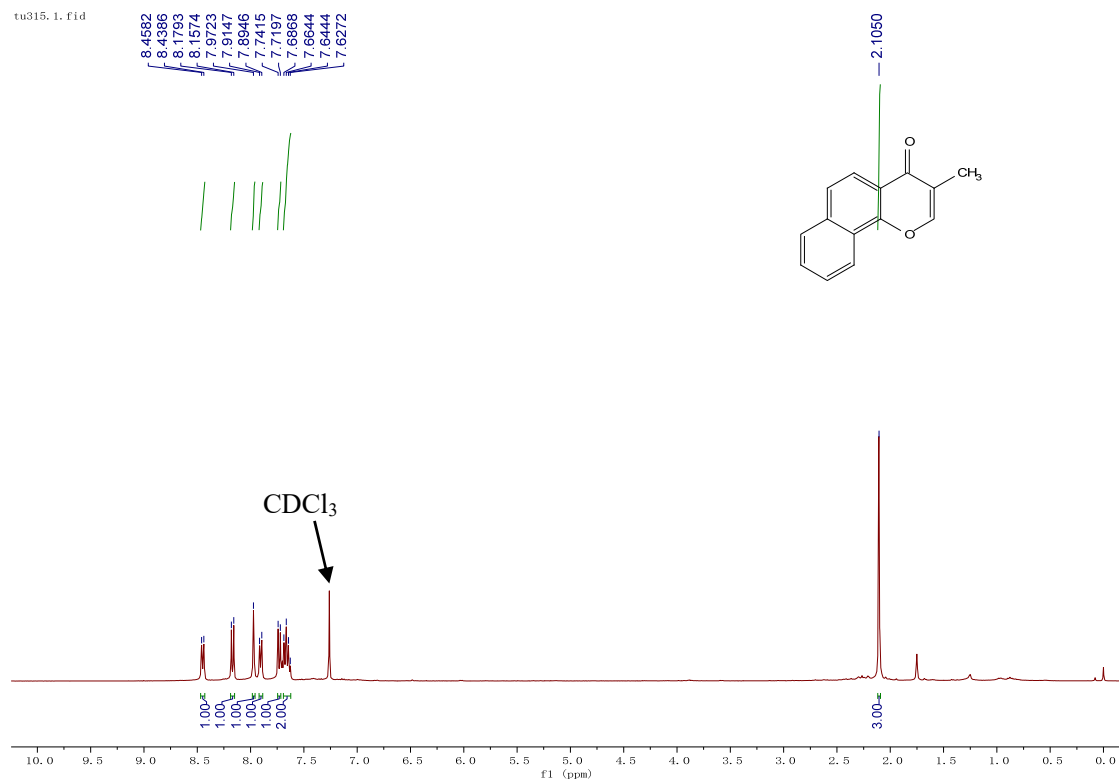


¹H NMR spectrum of **4h** (400 MHz, CDCl₃)

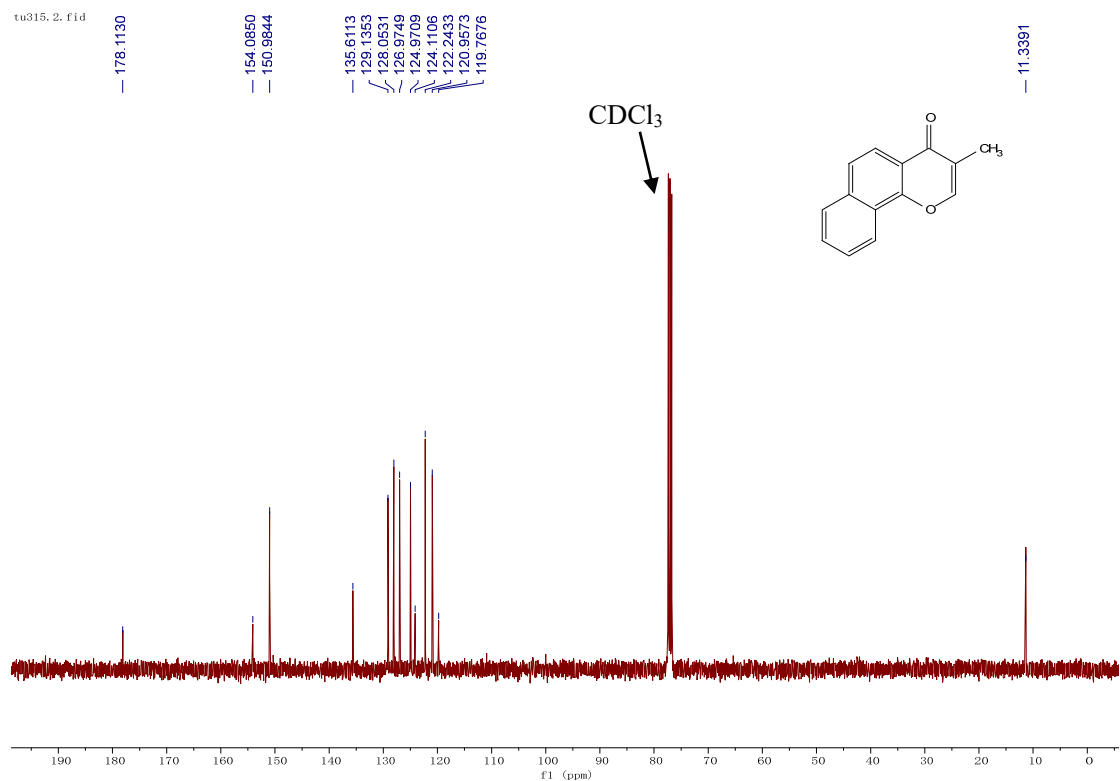


¹³C NMR spectrum of **4h** (100 MHz, CDCl₃)





¹H NMR spectrum of **4j** (400 MHz, CDCl₃)



¹³C NMR spectrum of **4j** (100 MHz, CDCl₃)