

Supporting Information

Efficient Synthesis of 4-Sulfanylcoumarins from 3-Bromocoumarins *via* a Highly Selective DABCO-Mediated One-pot Thia-Michael Addition/Elimination Process

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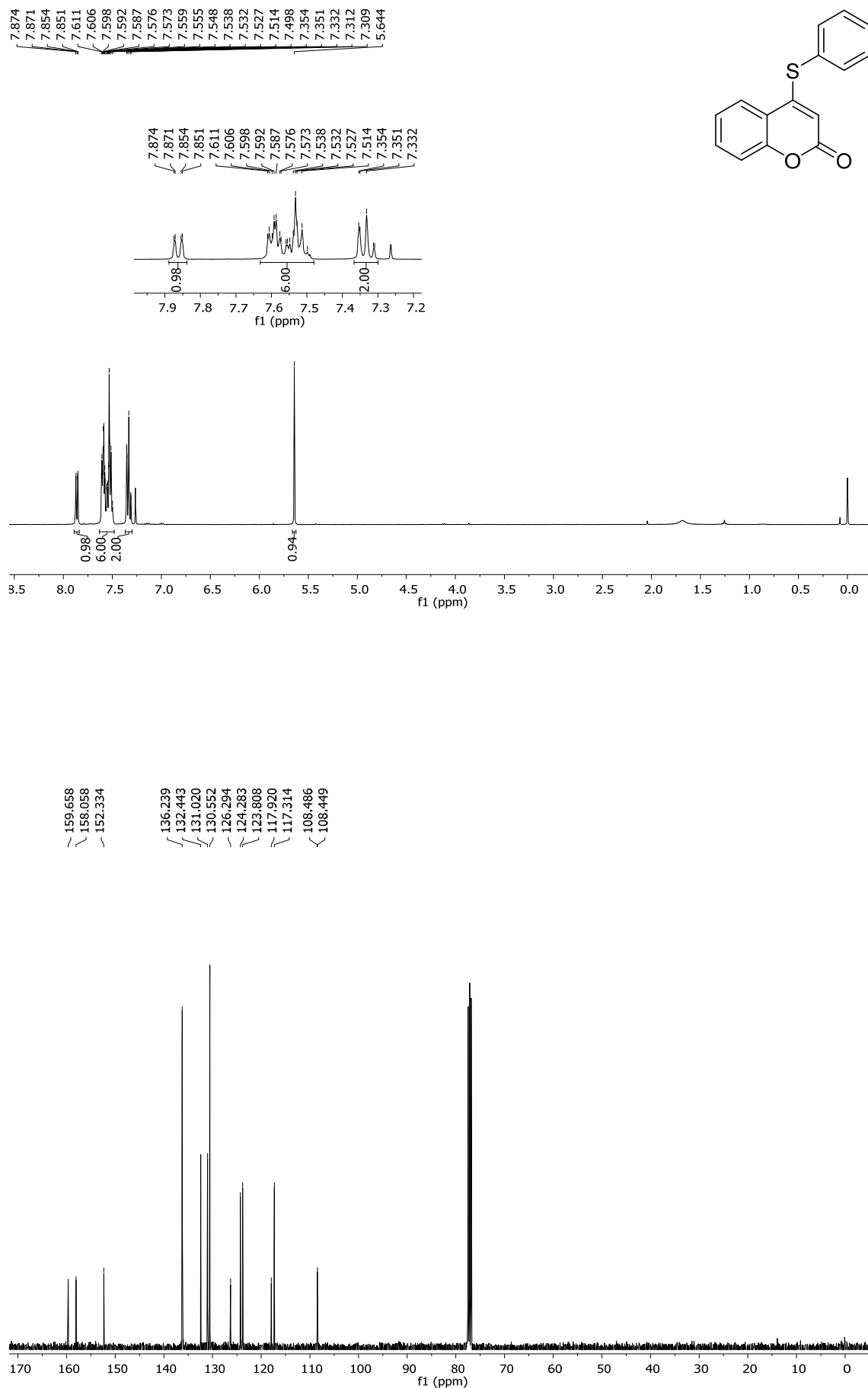


Figure S1. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3a** in CDCl₃.

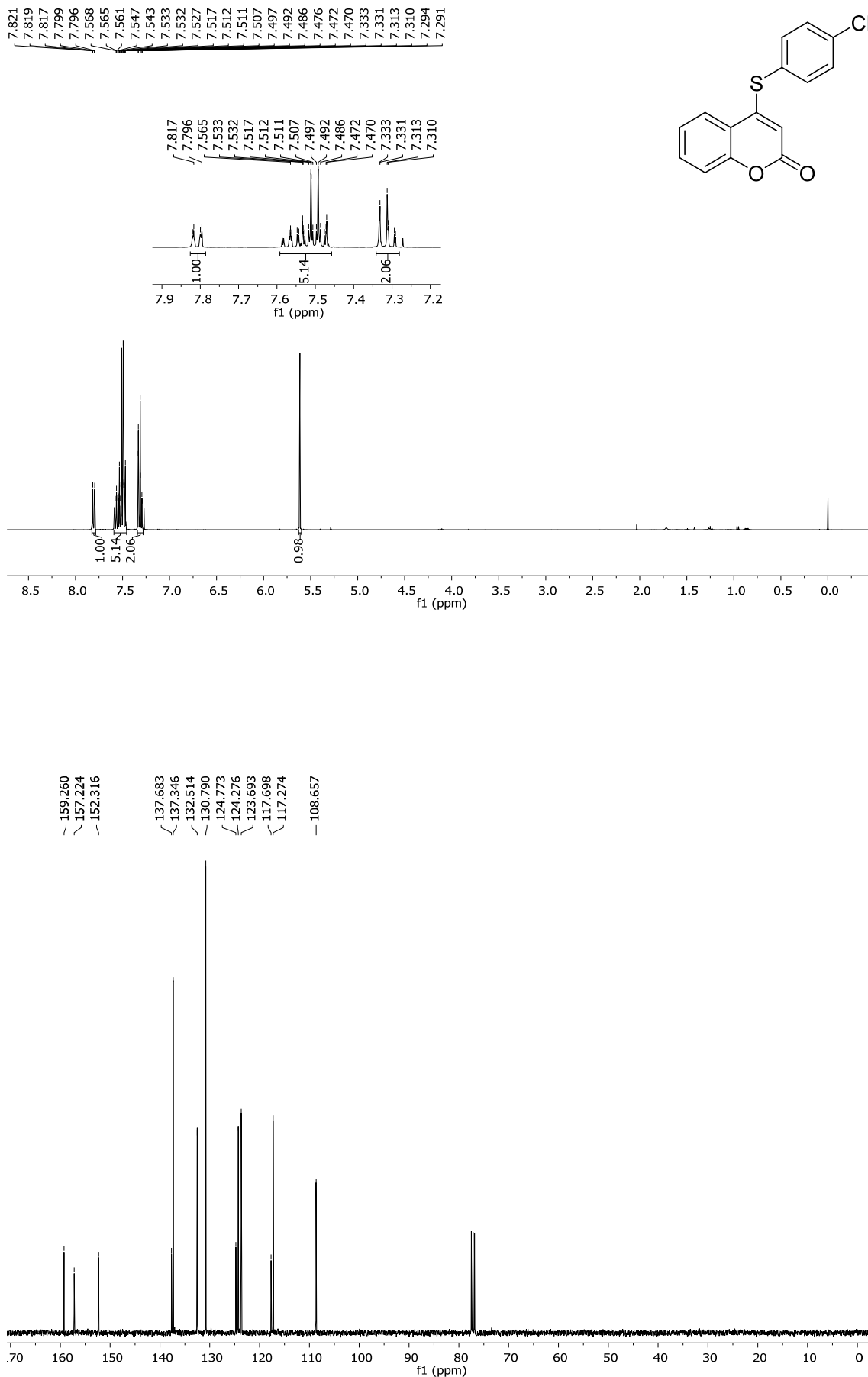


Figure S2. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3b** in CDCl₃.

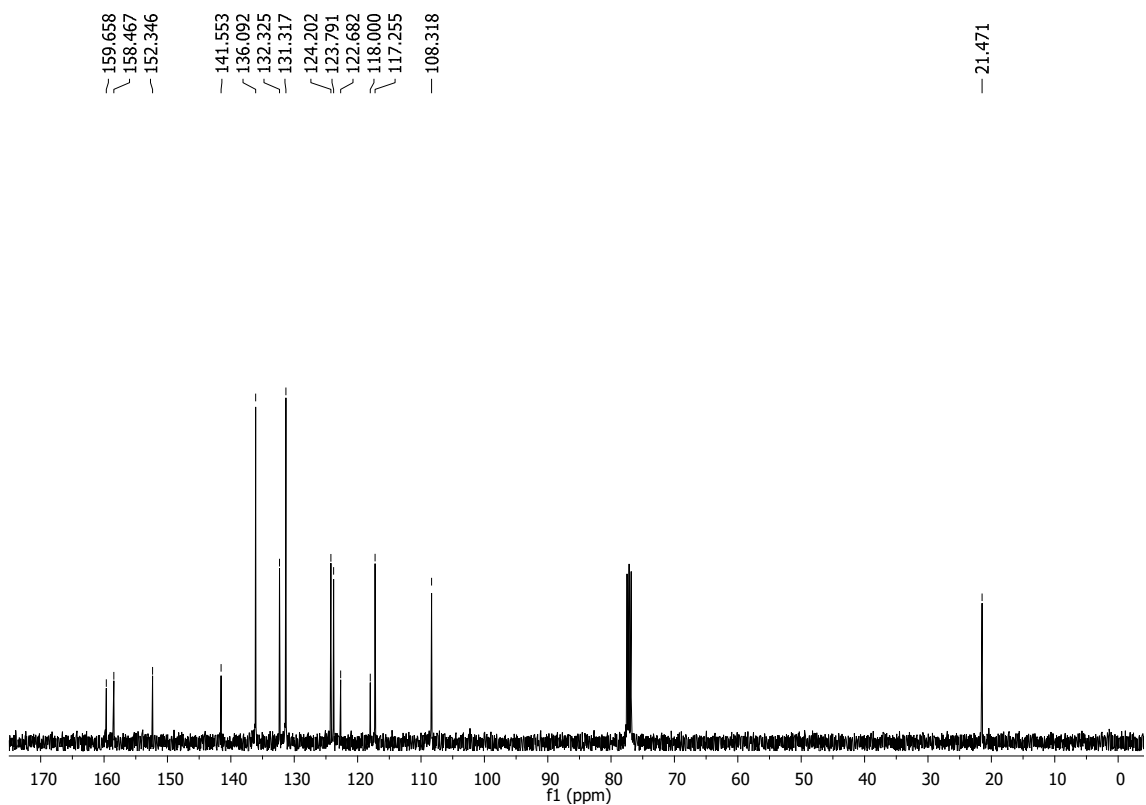
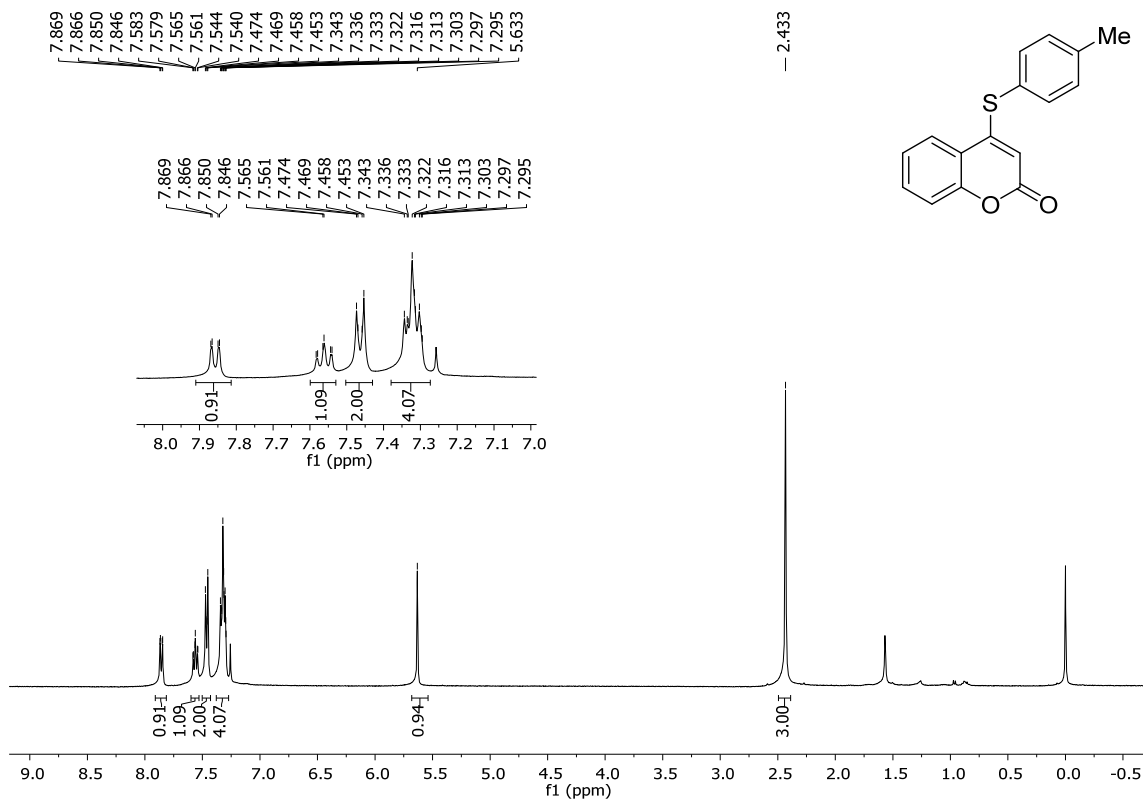


Figure S3. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3c** in CDCl₃.

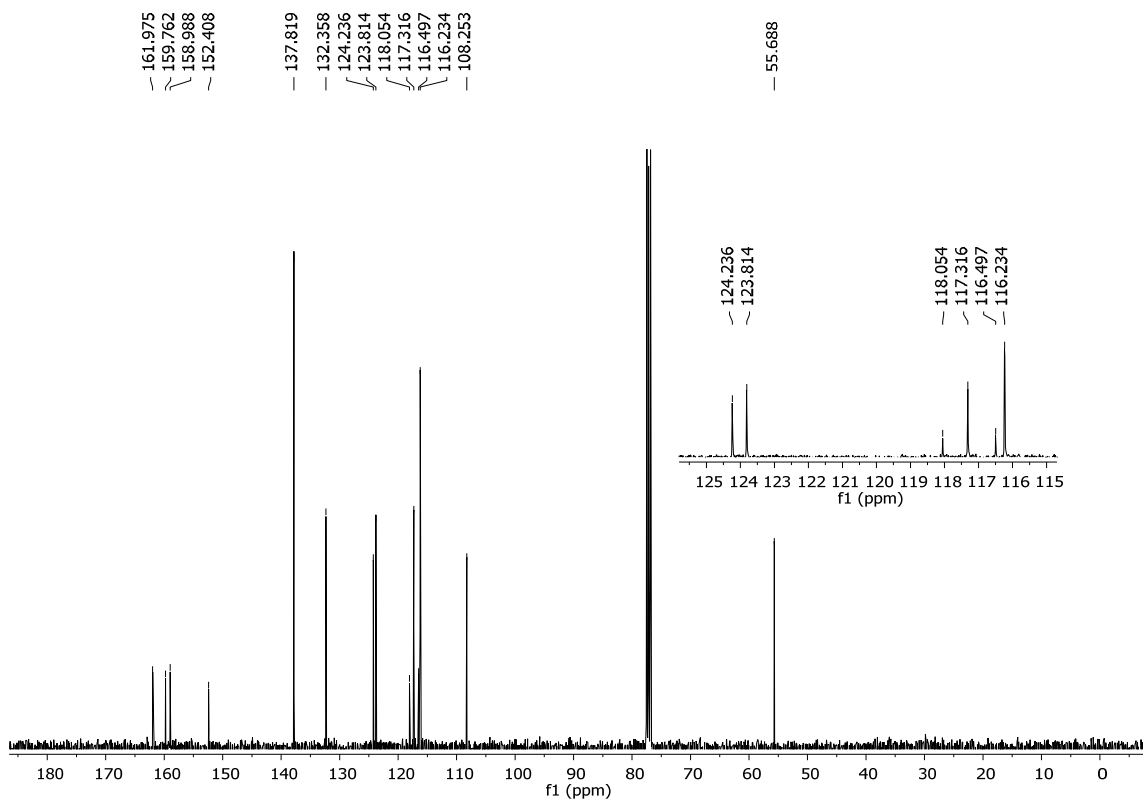
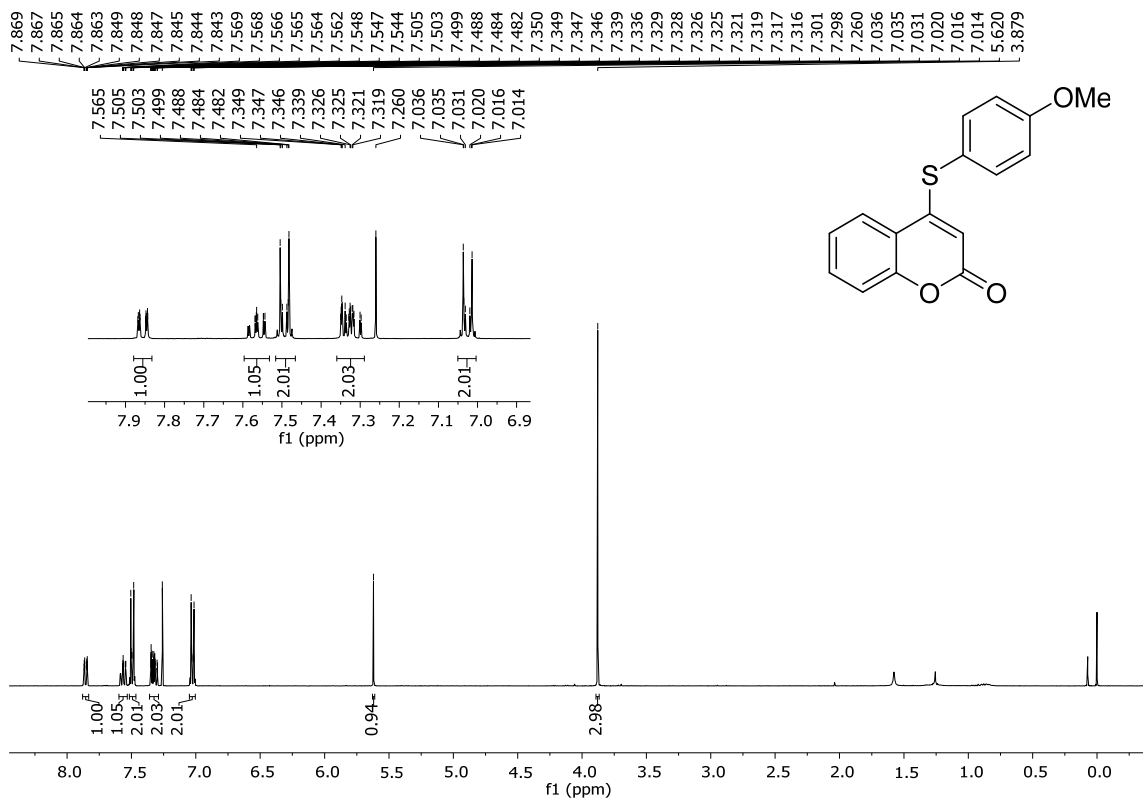


Figure S4. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3d** in CDCl₃.

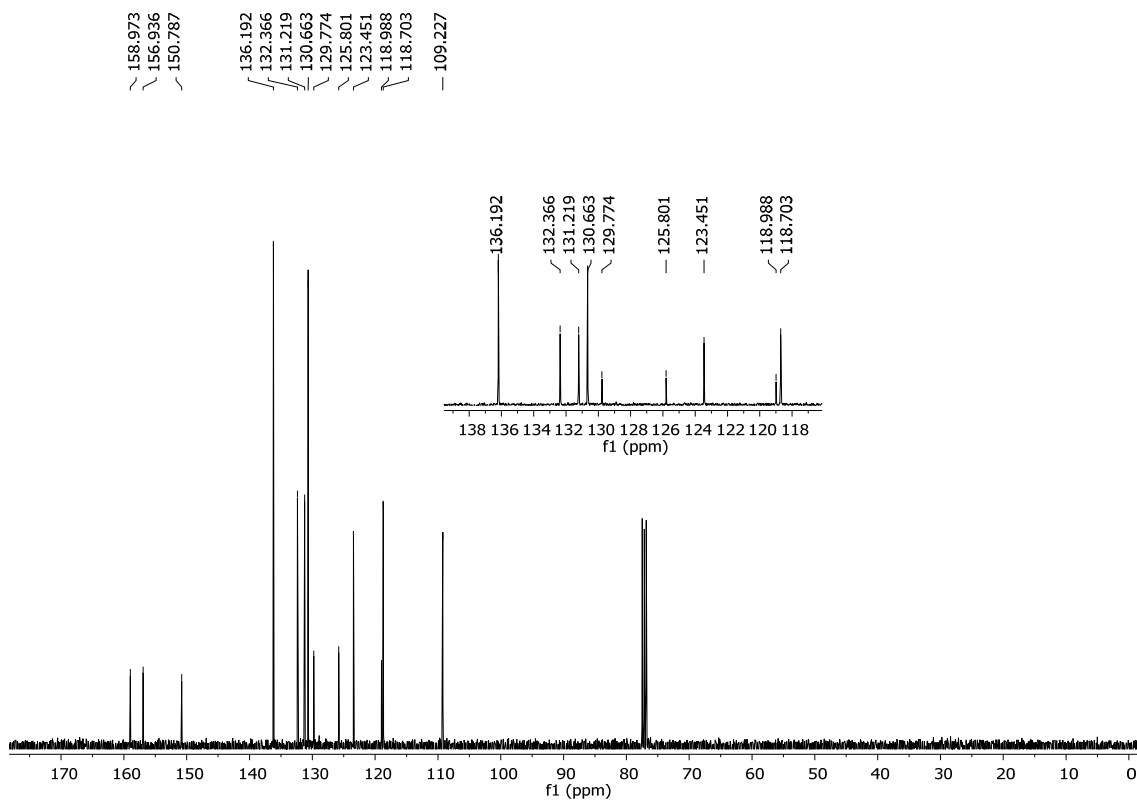
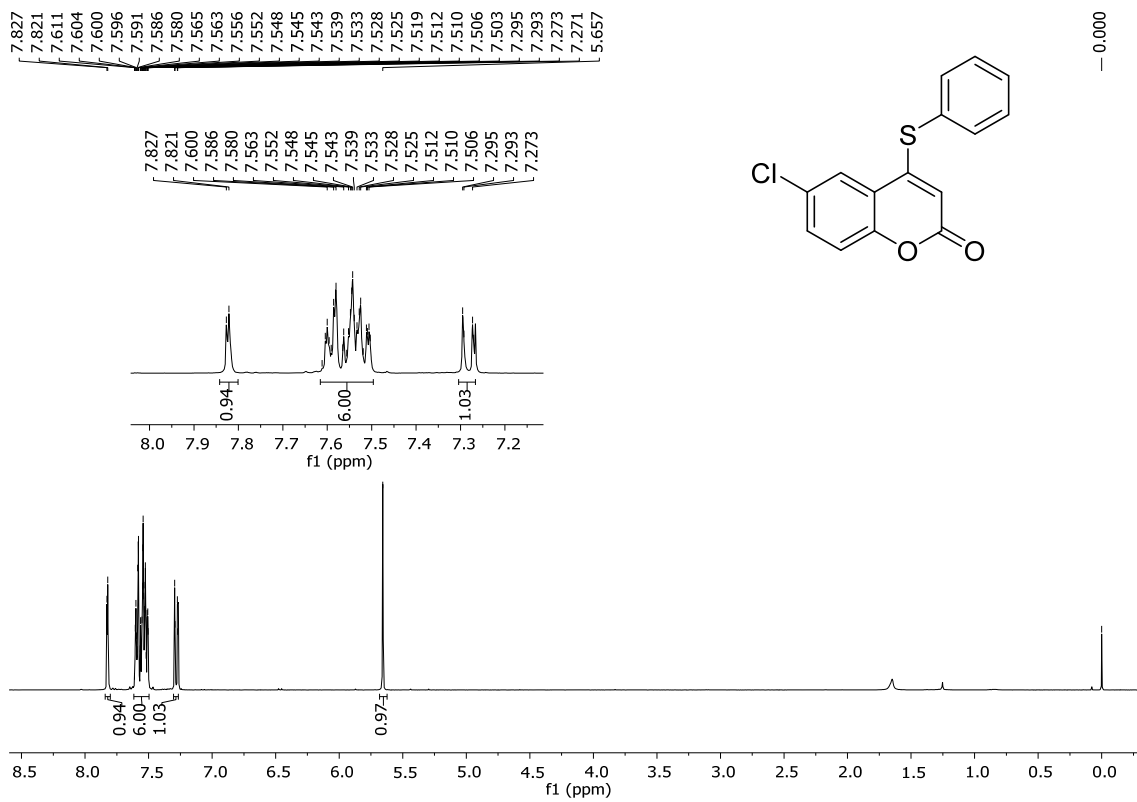


Figure S5. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3e** in CDCl₃.

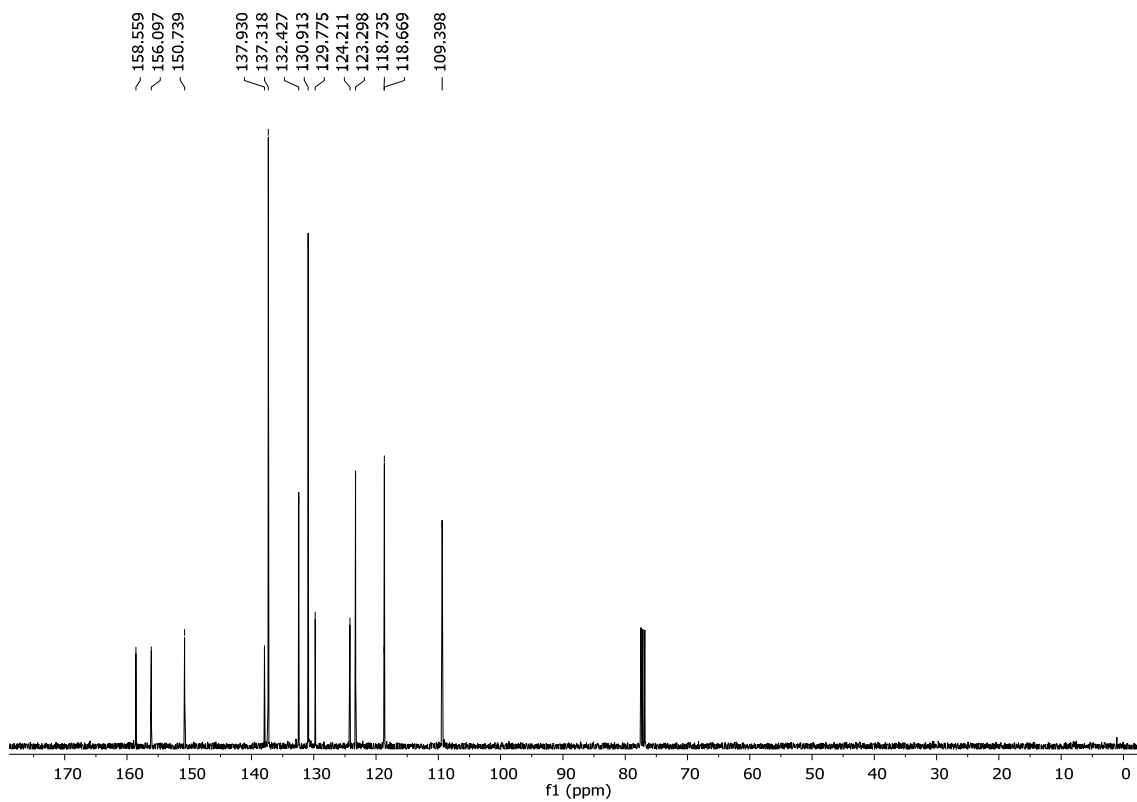
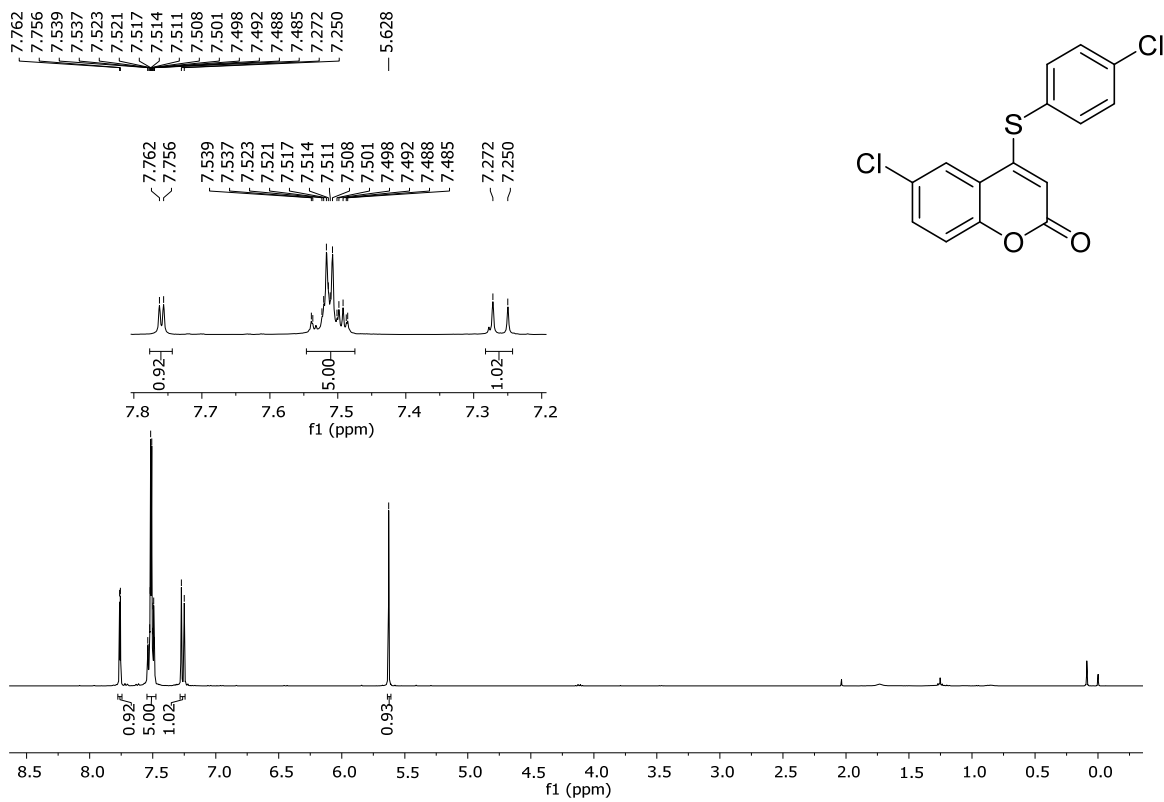


Figure S6. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3f** in CDCl₃.

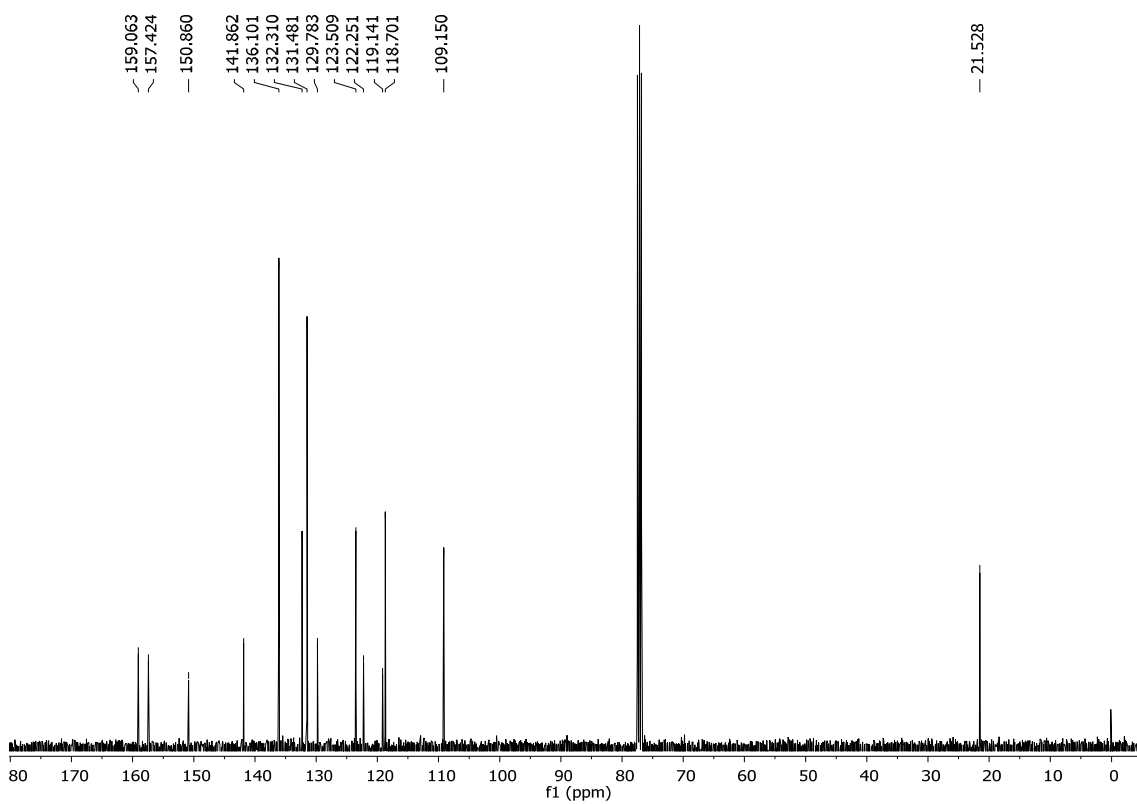
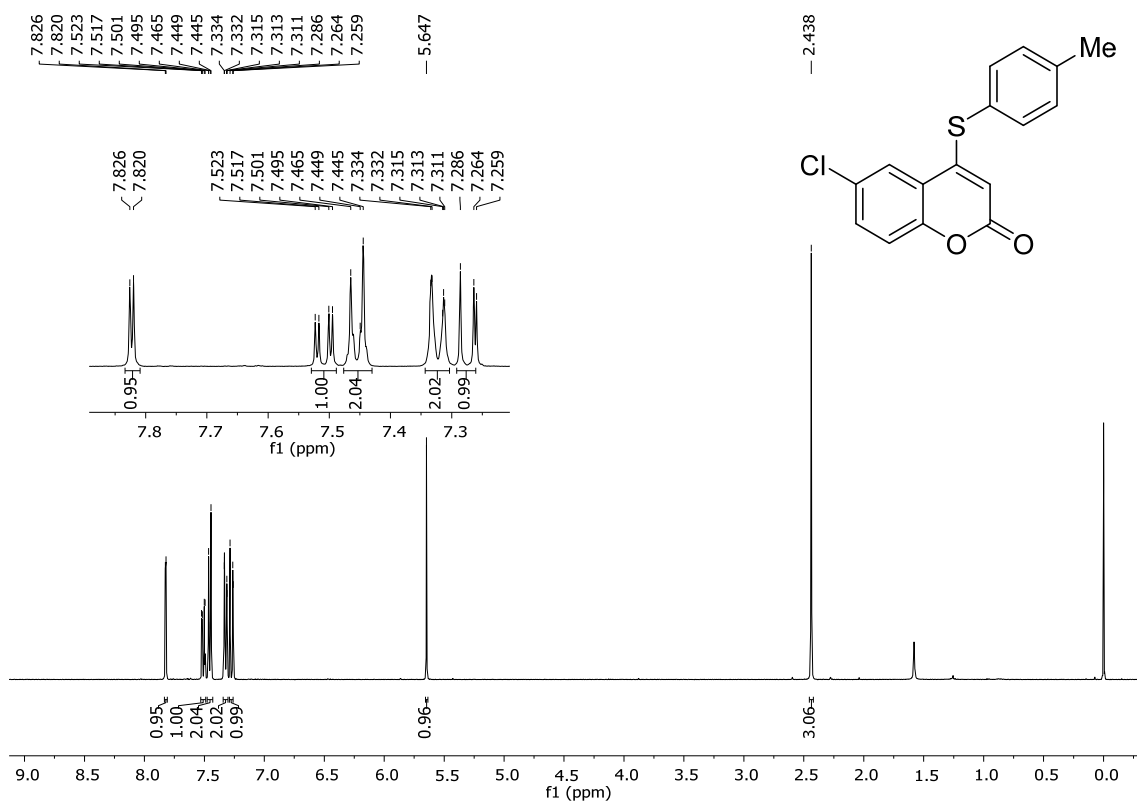


Figure S7. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3g** in CDCl₃.

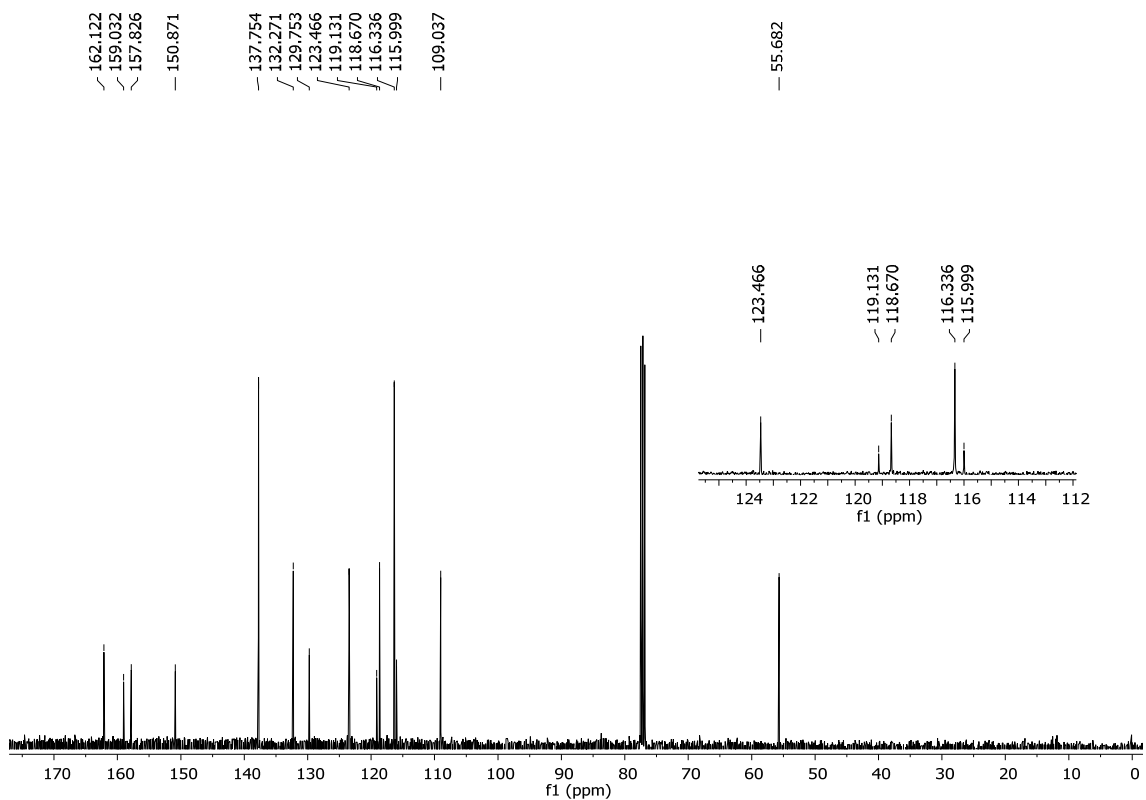
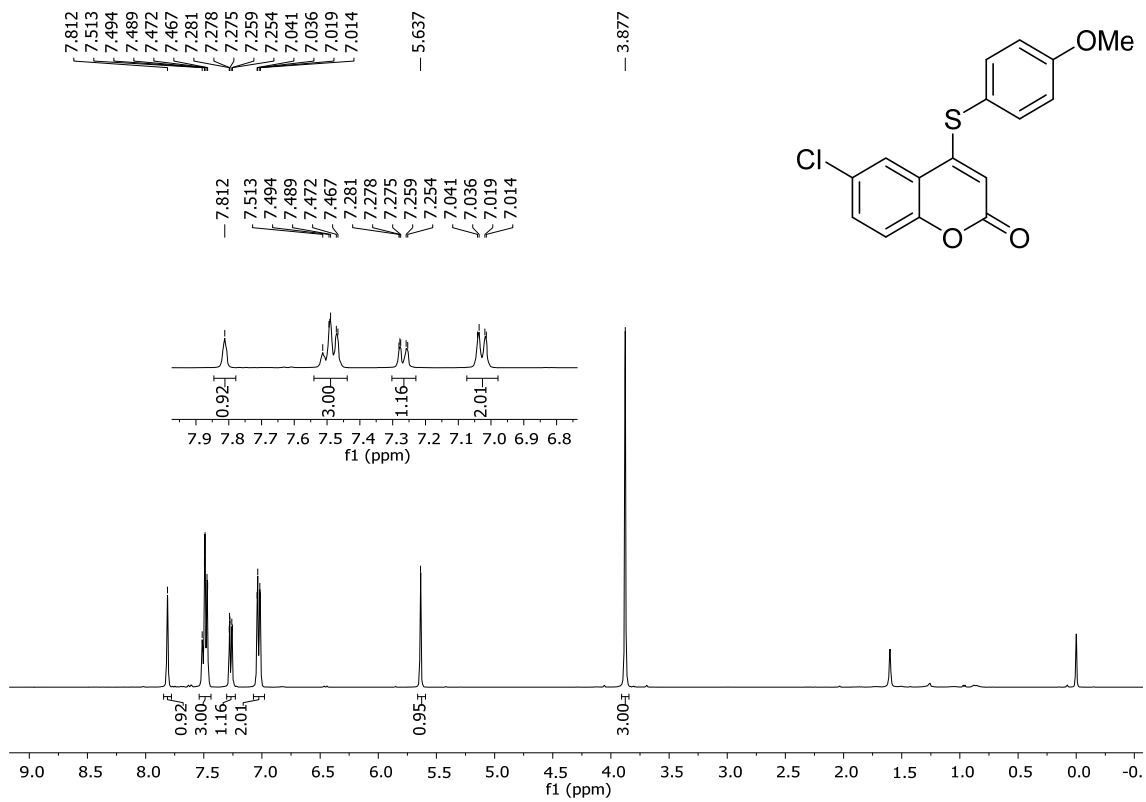


Figure S8. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3h** in CDCl₃.

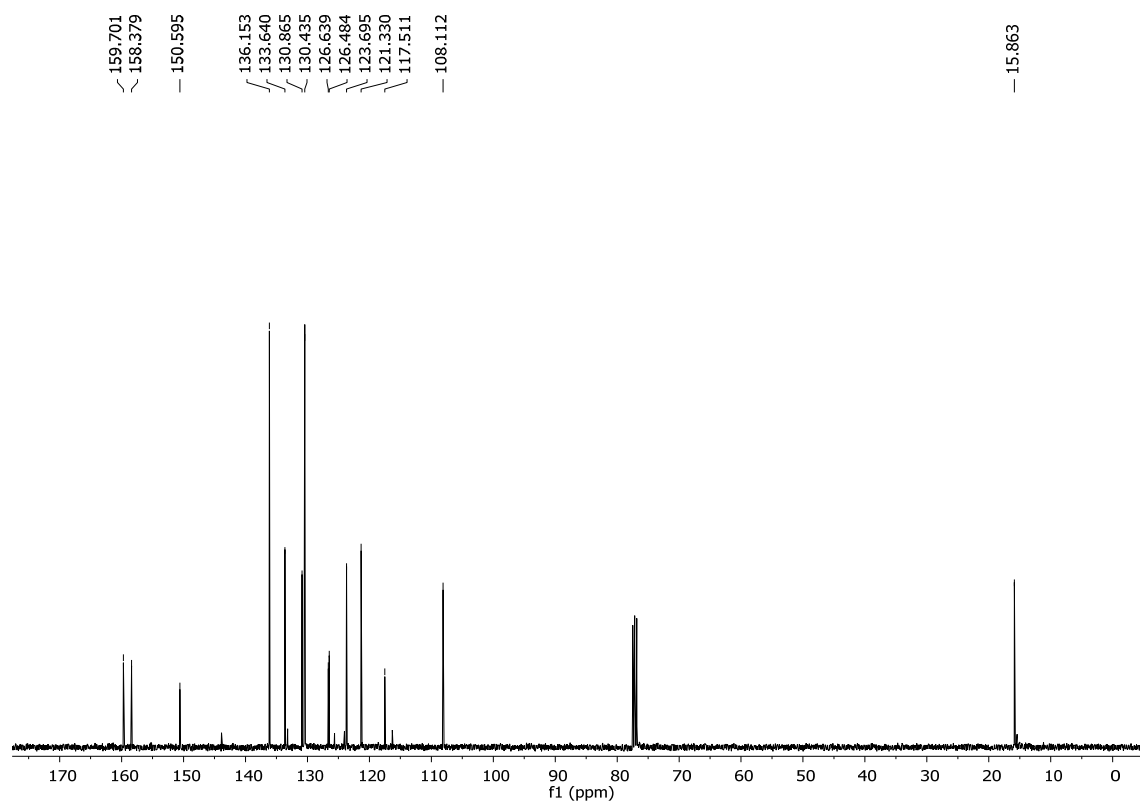
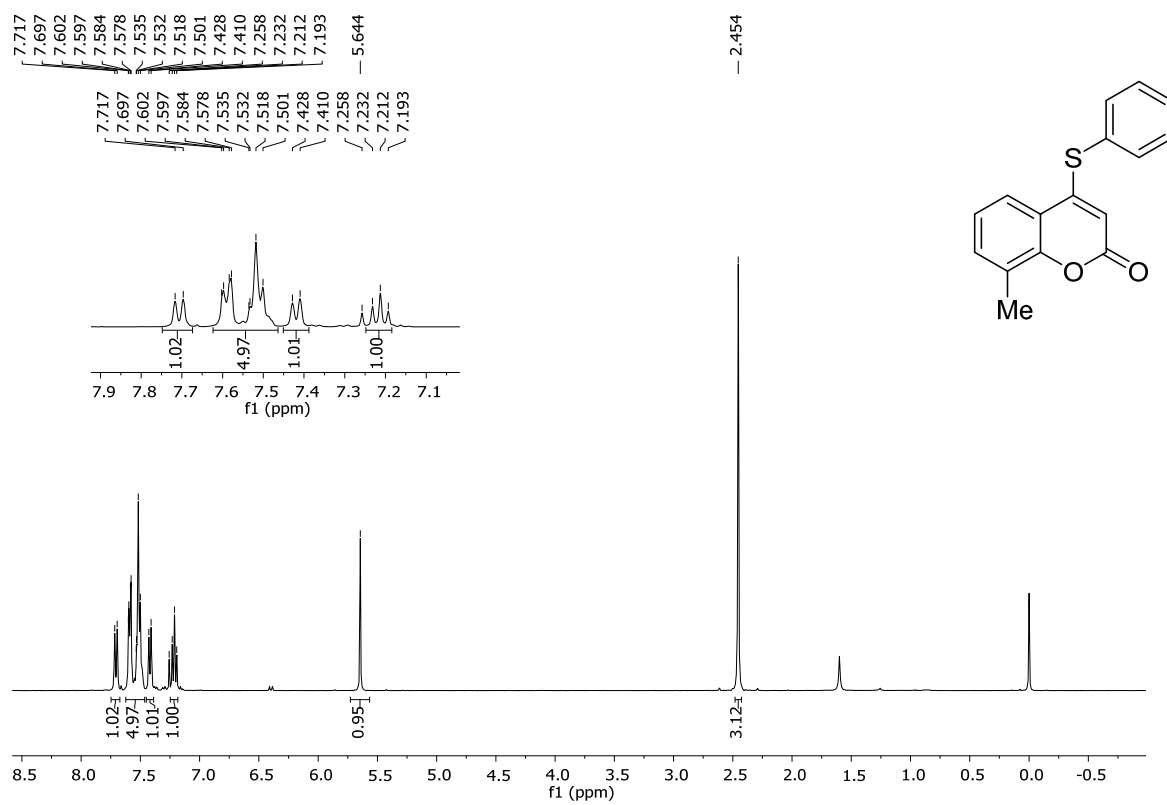


Figure S9. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3i** in CDCl₃.

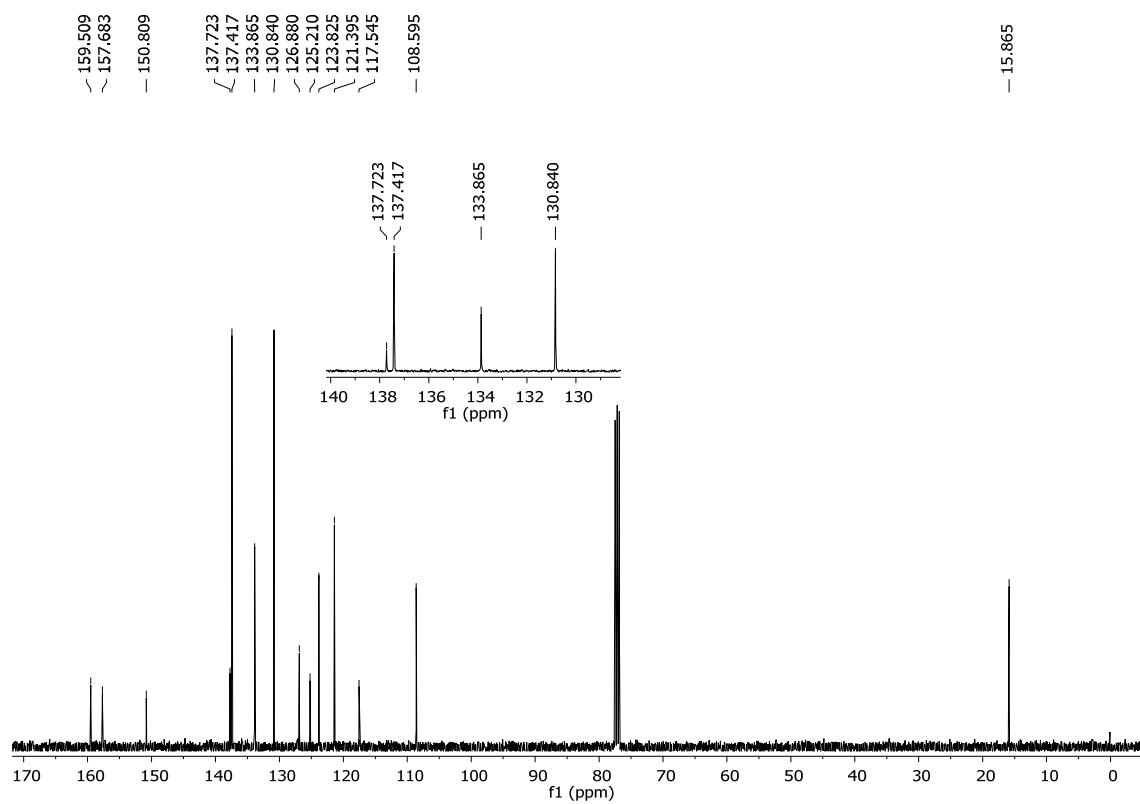
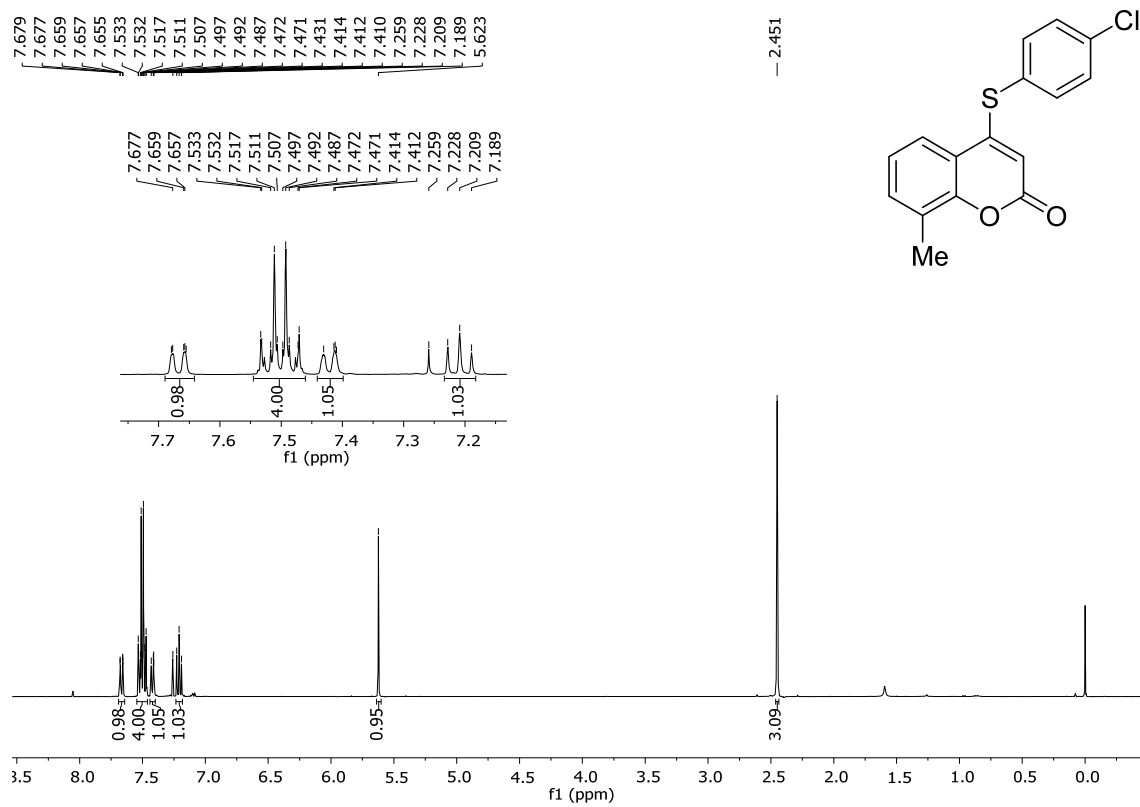


Figure S10. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **3j** in CDCl₃.

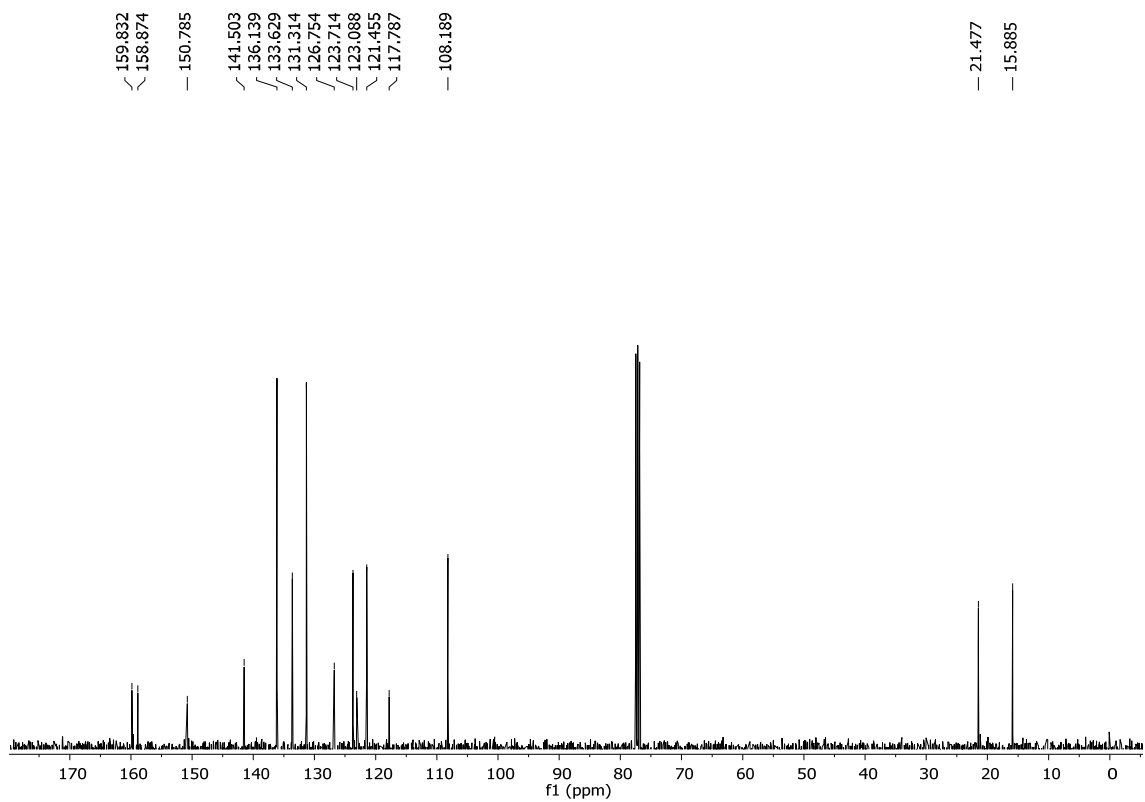
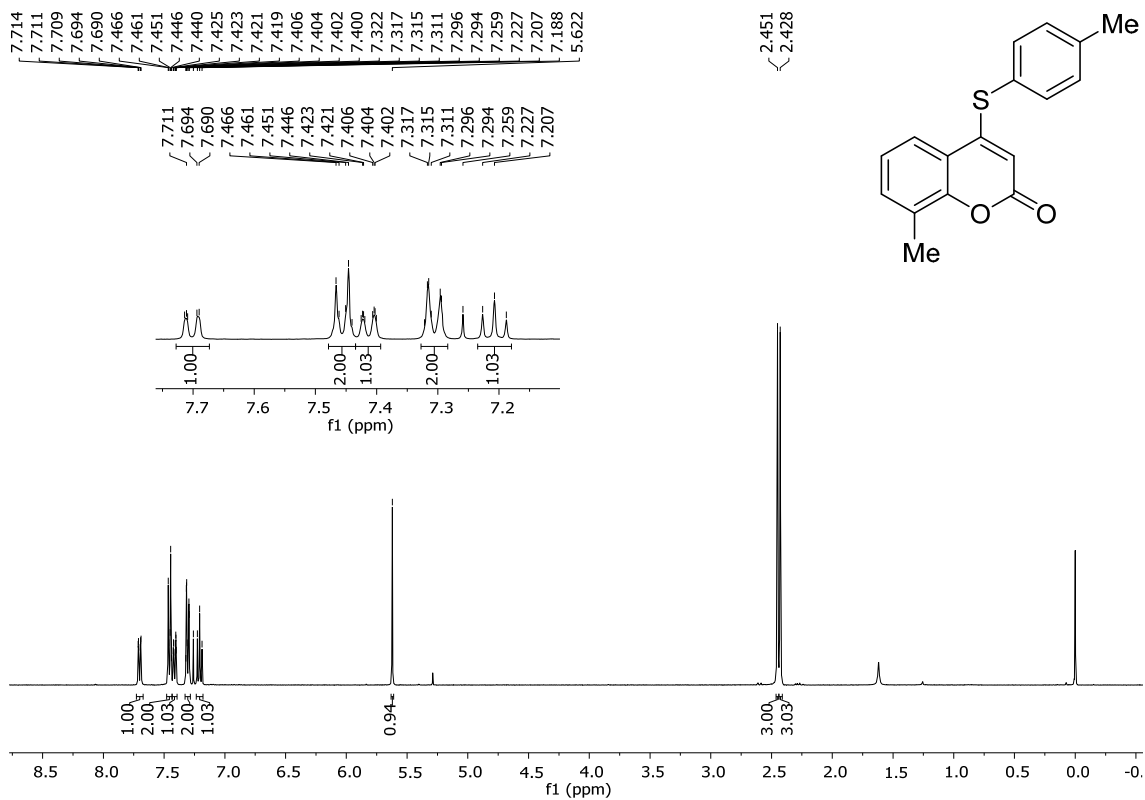


Figure S11. 400 MHz ^1H (top) and ^{13}C (bottom) NMR spectra of **3k** in CDCl_3 .

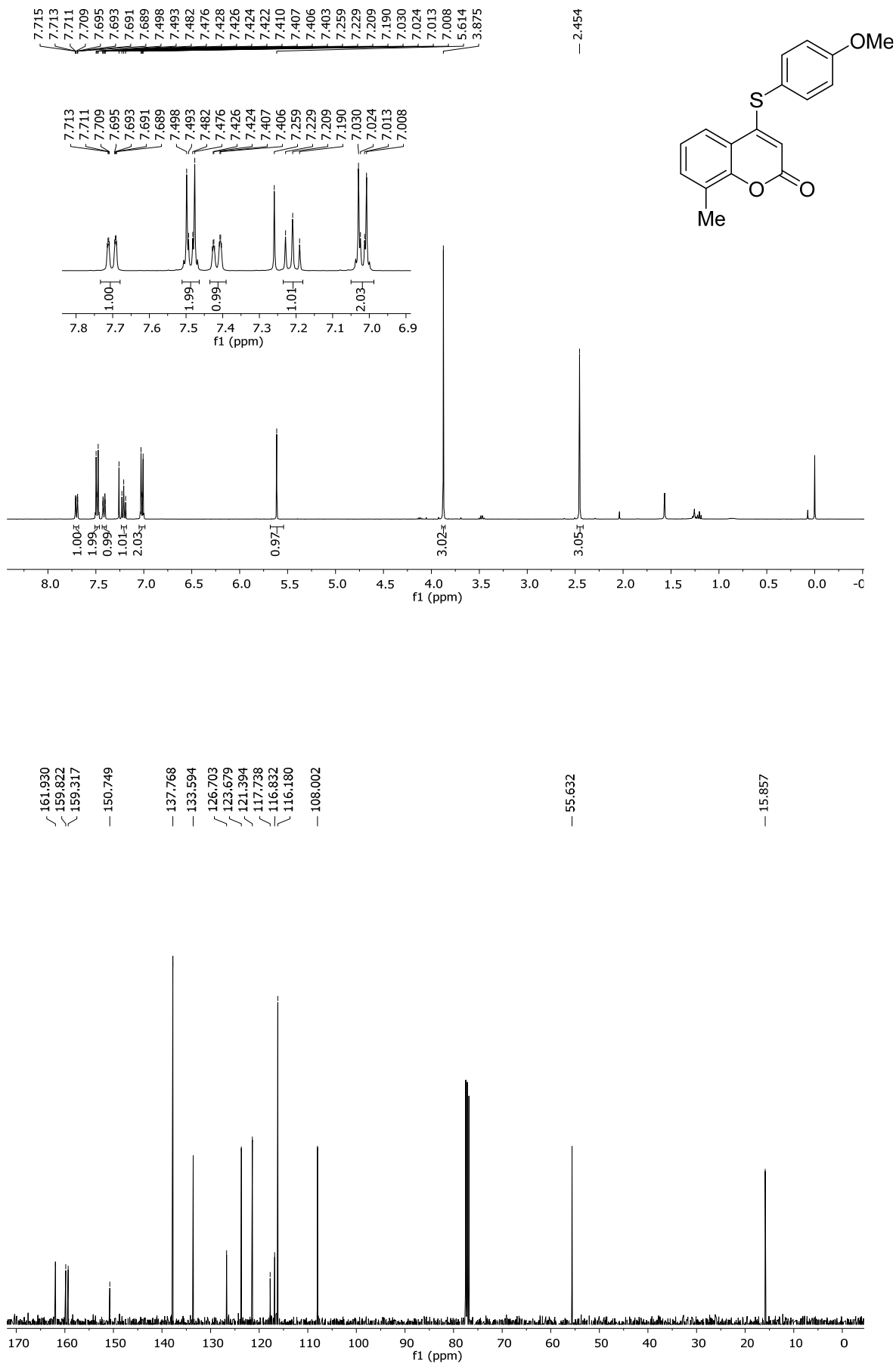


Figure S12. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **31** in CDCl₃.

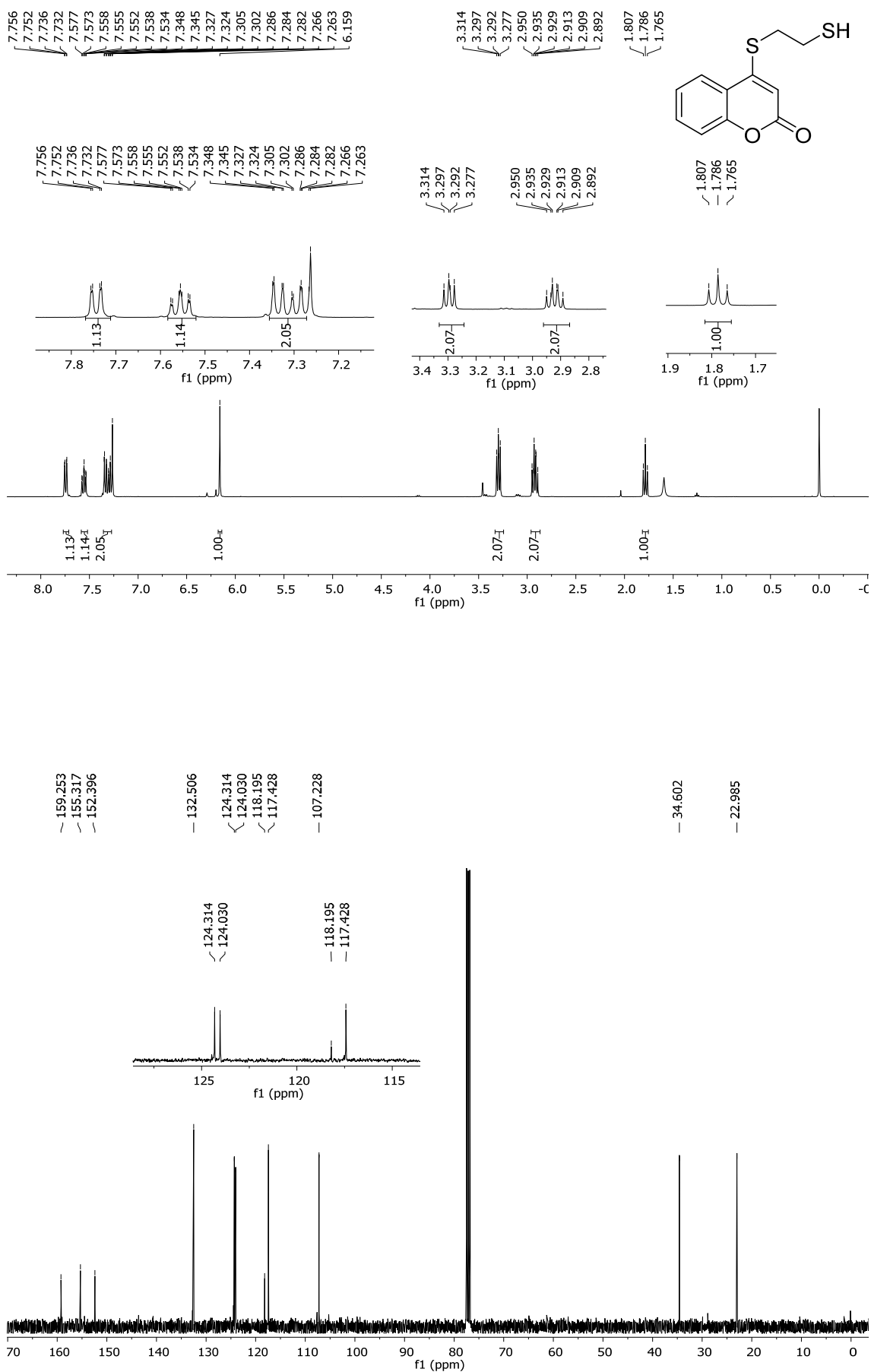


Figure S13. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **6a** in CDCl₃.

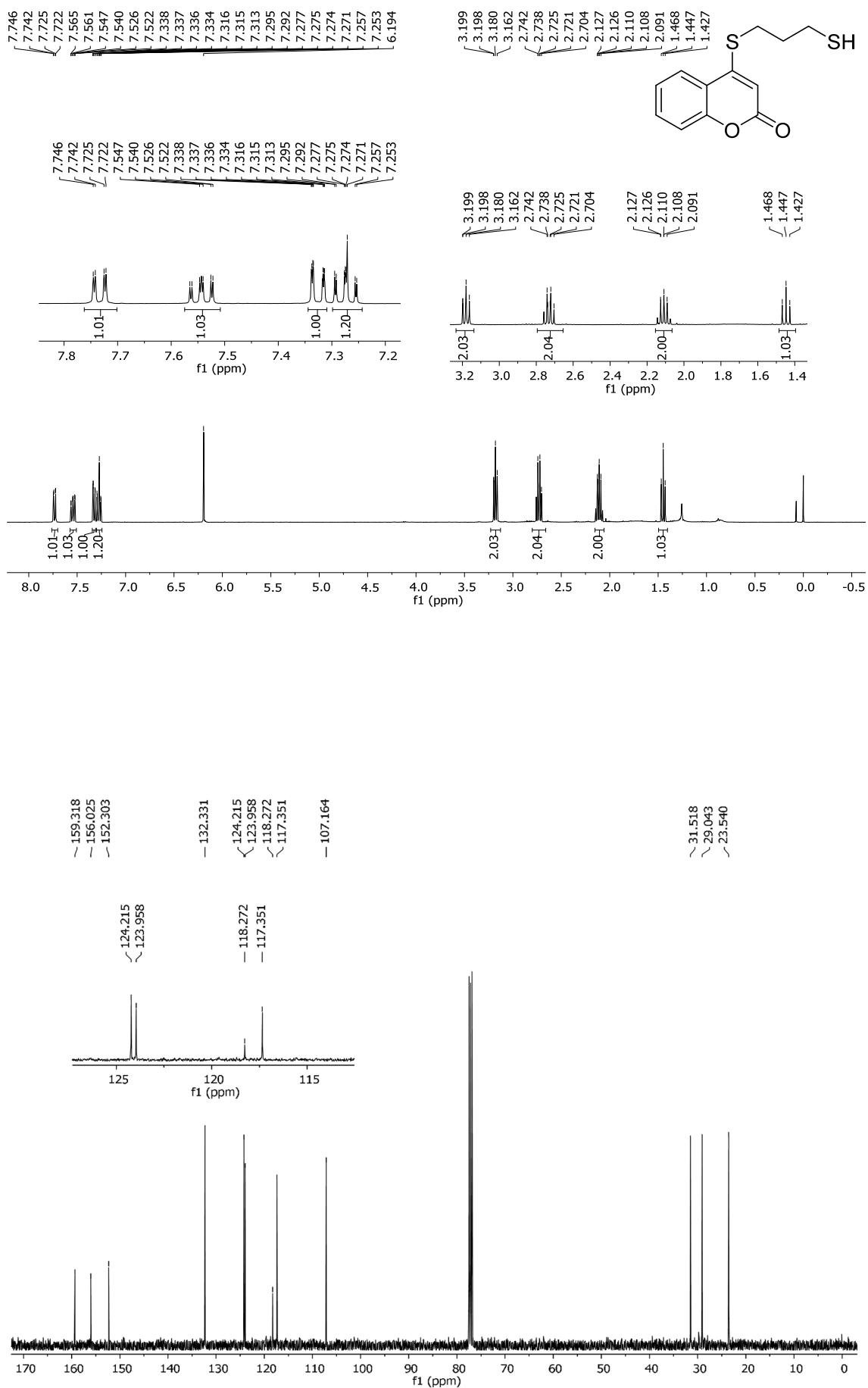


Figure S14. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **6b** in CDCl₃.

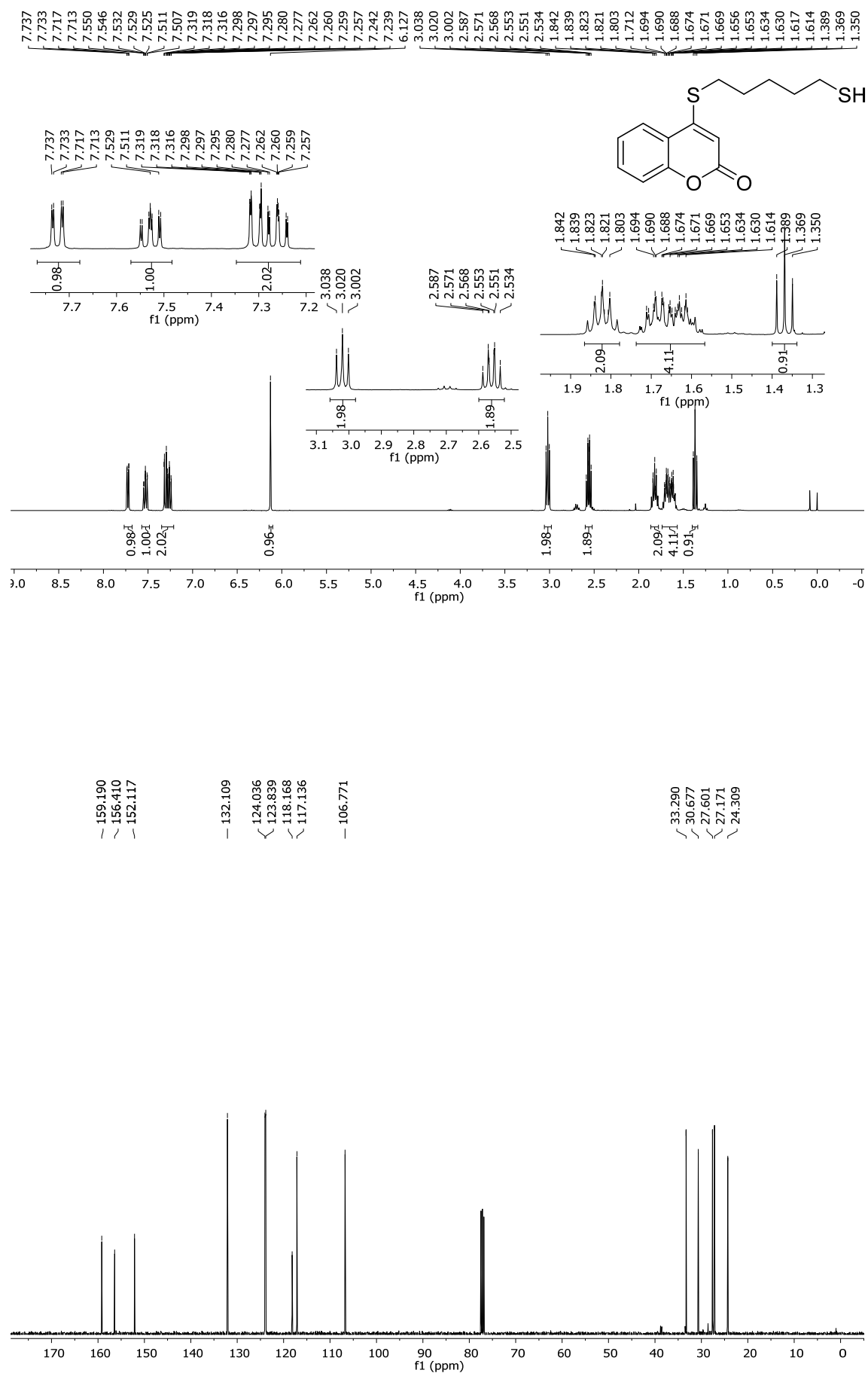


Figure S15. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **6c** in CDCl₃.

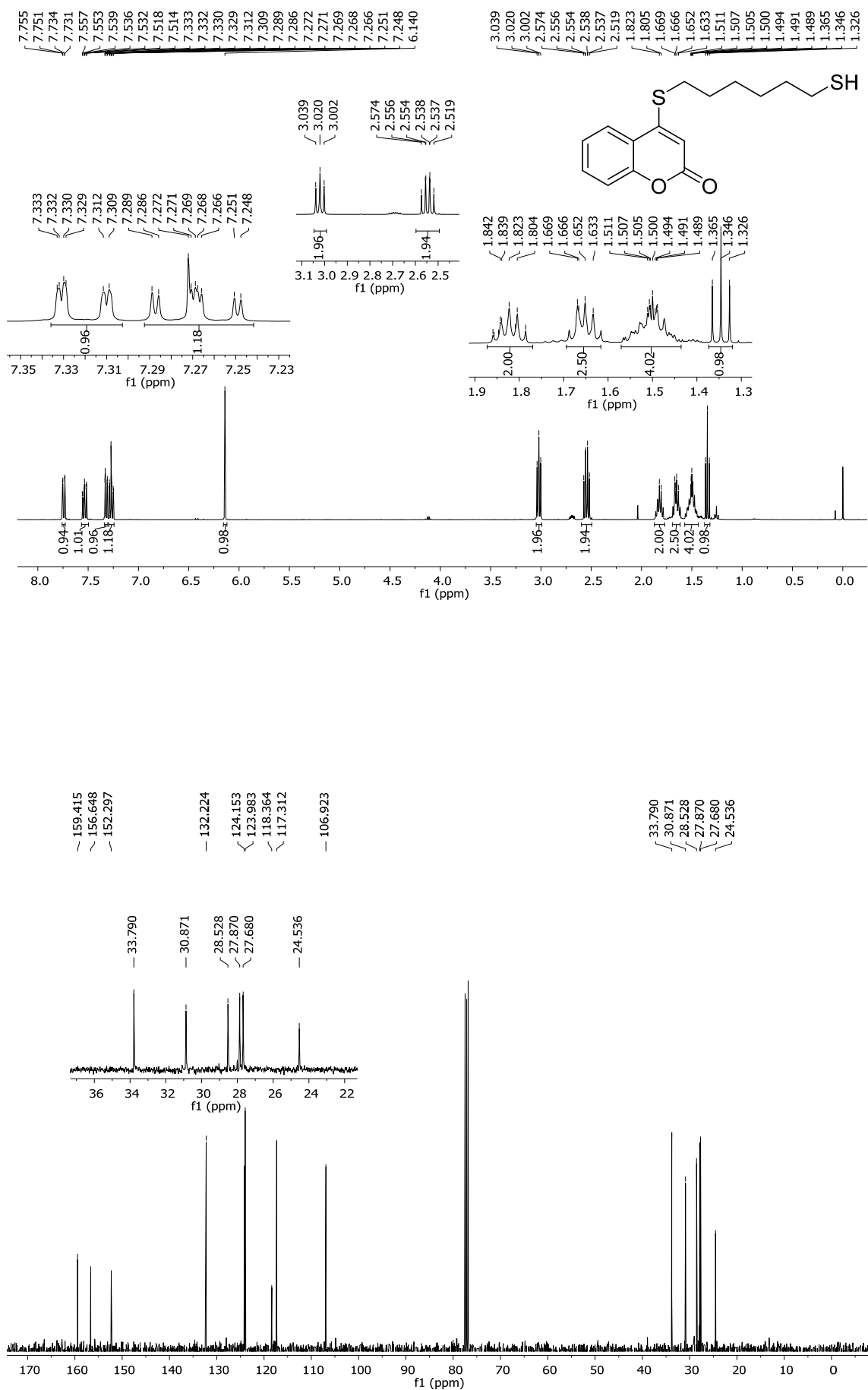


Figure S16. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **6d** in CDCl₃.

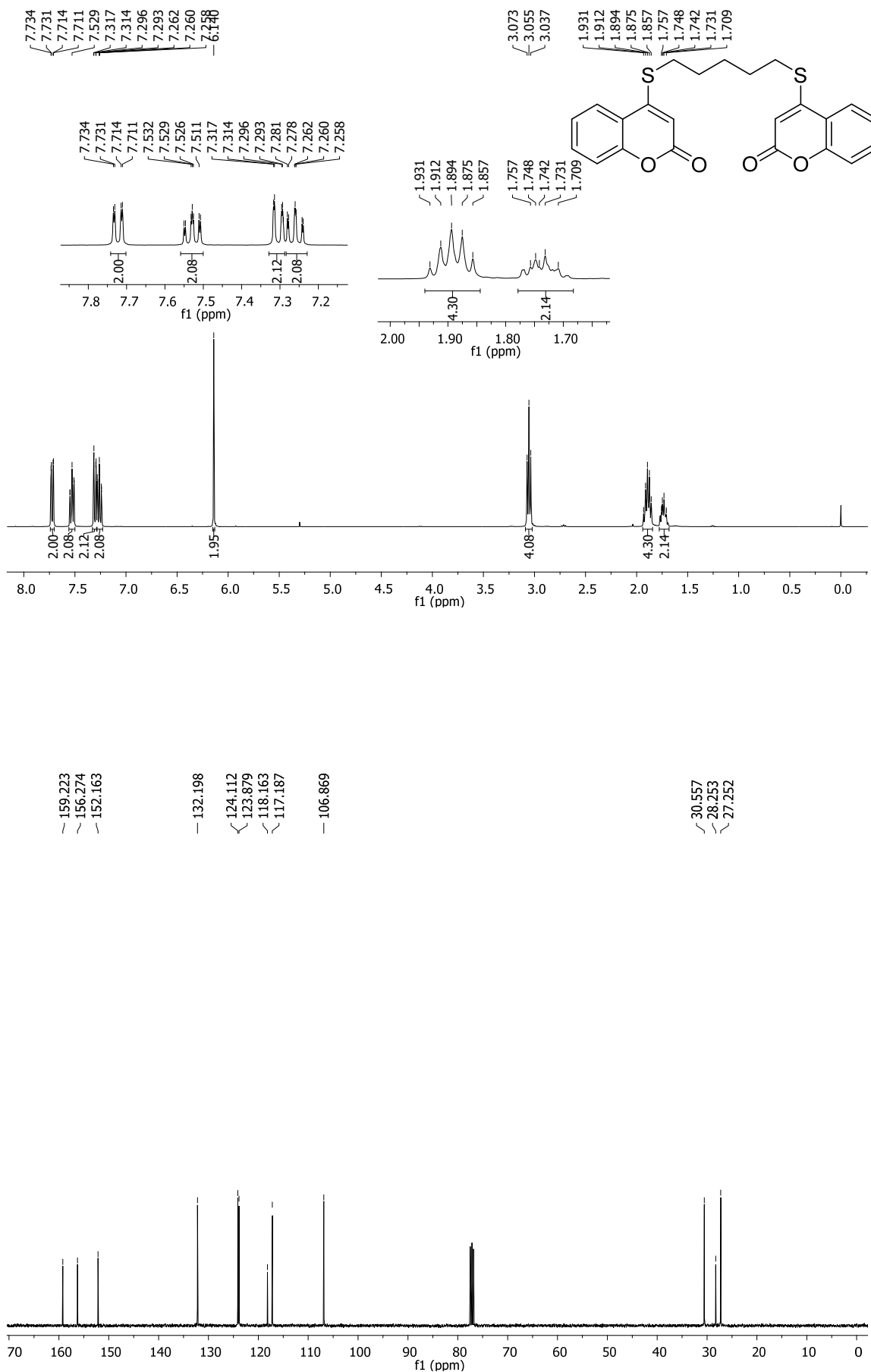


Figure S17. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **7a** in CDCl₃.

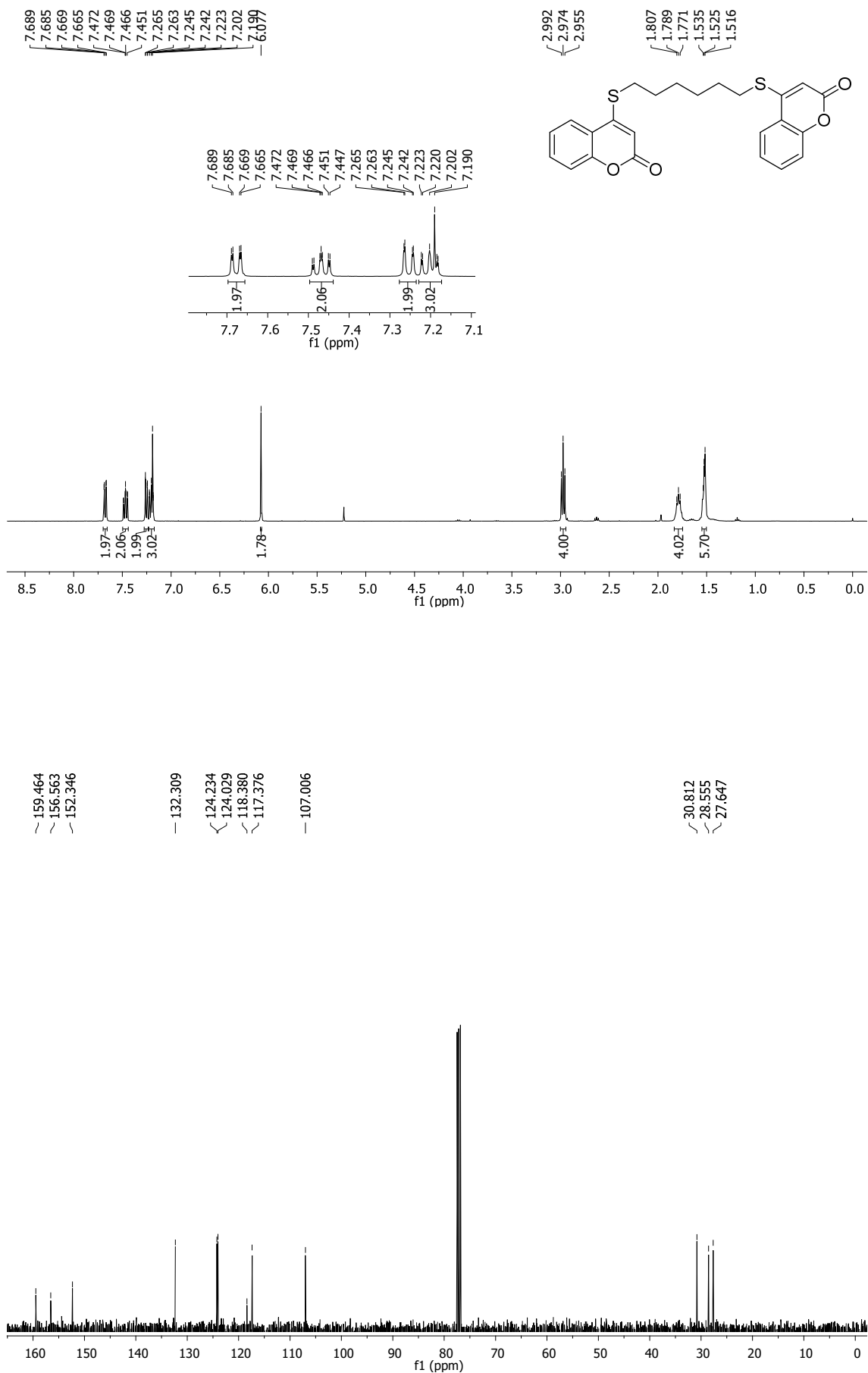


Figure S18. 400 MHz ¹H (top) and ¹³C (bottom) NMR spectra of **7b** in CDCl₃.