

Supporting Information for

Base-Mediated One-pot Synthesis of Oxygen-Based Heterocycles from 2-Hydroxyphenyl-Substituted *para*-Quinone Methides

Gurdeep Singh, Suresh Kumar, Arjun Chowdhury and Ramasamy Vijaya Anand*

Indian Institute of Science Education and Research (IISER) Mohali, Sector 81, S. A. S.

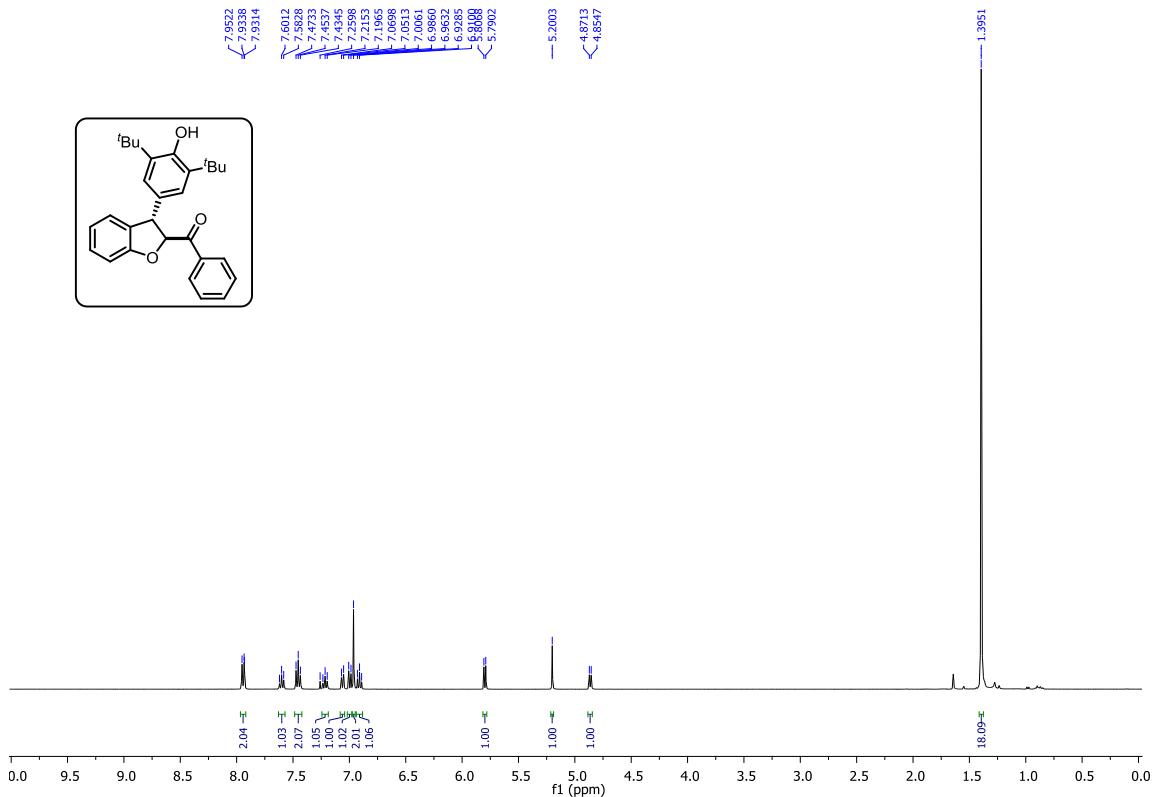
Nagar, Manauli (PO). Punjab – 140306, India

E-mail: rvijayan@iisermohali.ac.in

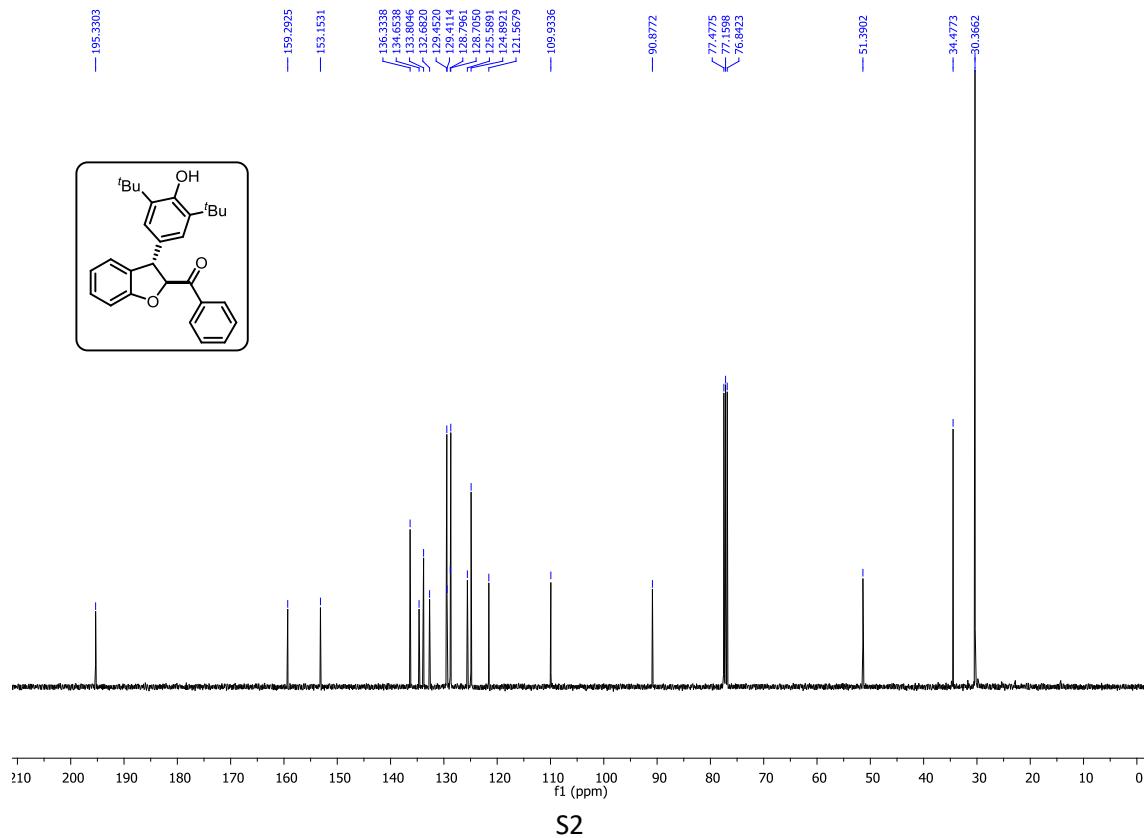
Table of Contents

1. NMR spectra of products (3a to 3u)	S2–S24
2. NMR spectra of products (4a to 4l)	S25–S37
3. NMR spectra of products (6a to 6n)	S38–S52
4. NMR spectra of product 7	S53–S53
5. NMR spectra of product 13	S54–S54
6. NMR spectra of product 14	S55–S55

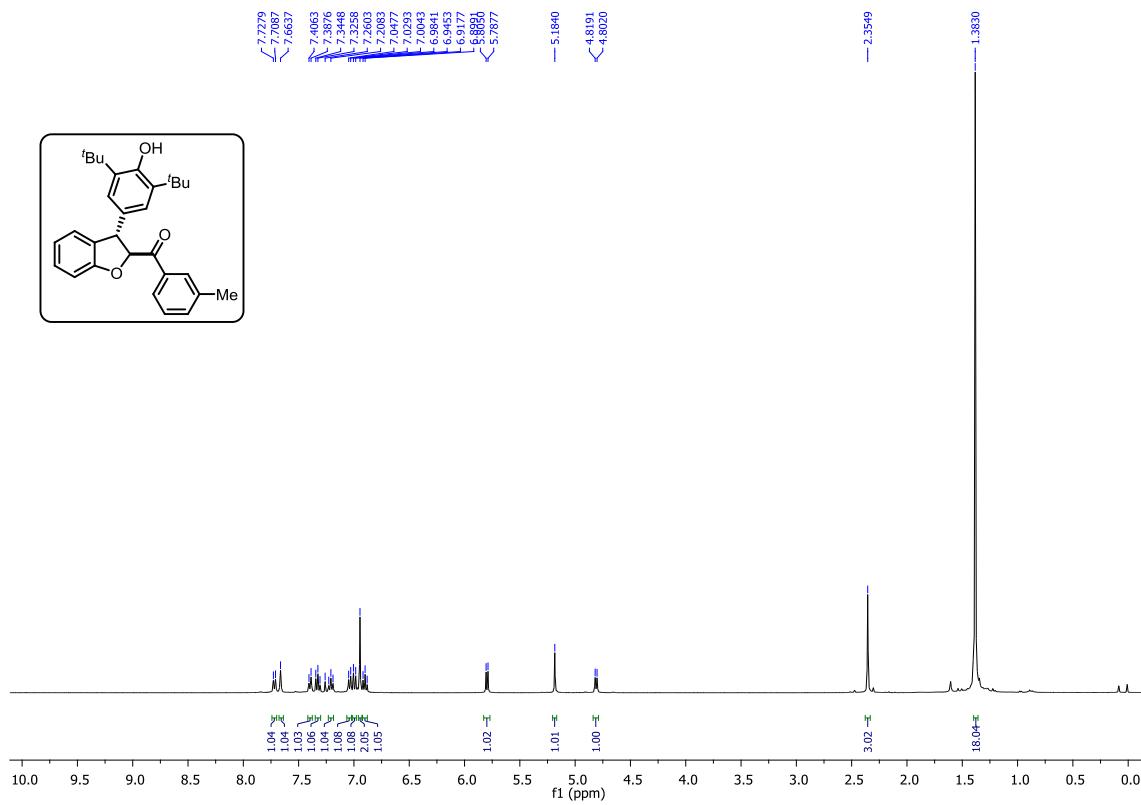
¹H NMR spectrum of **3a**



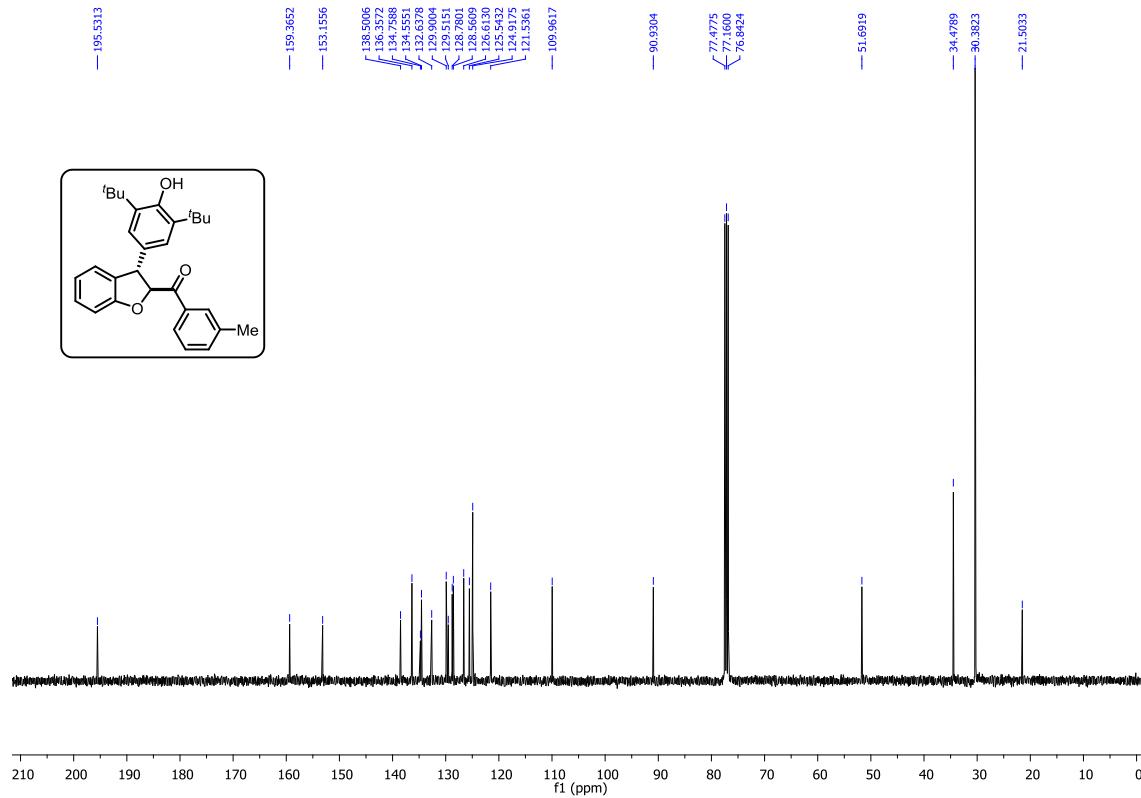
¹³C NMR spectrum of **3a**



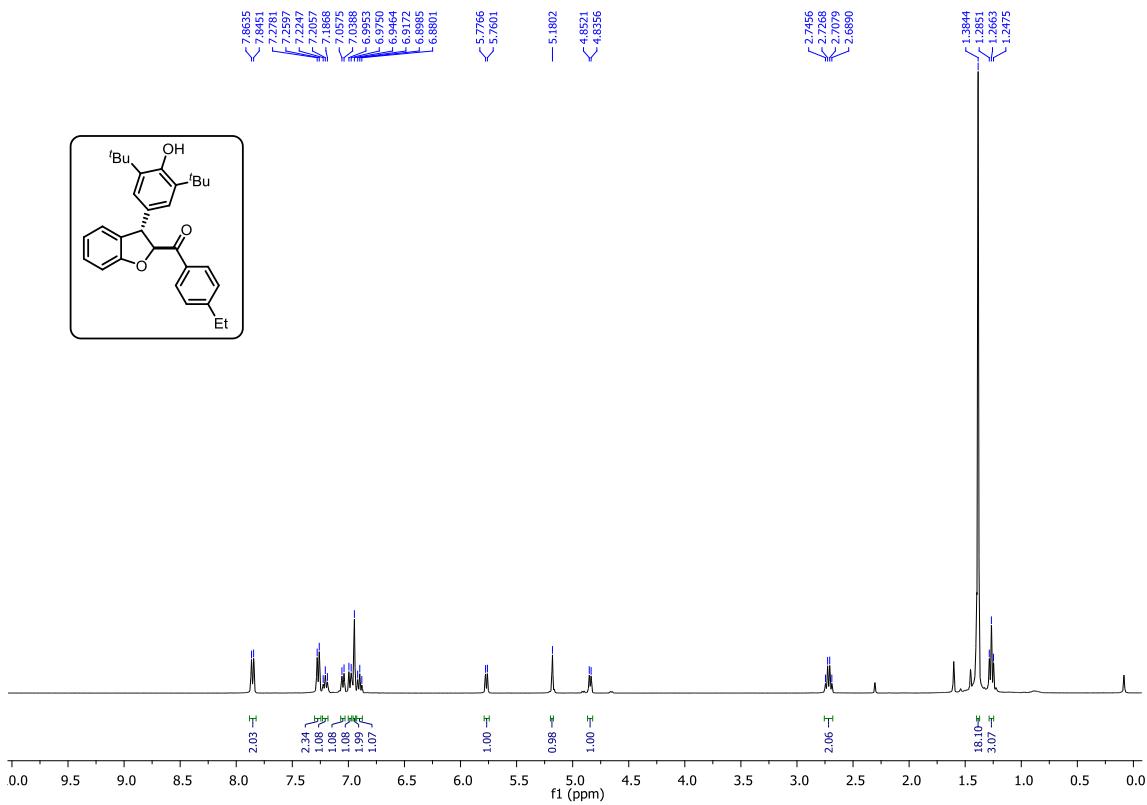
¹H NMR spectrum of **3b**



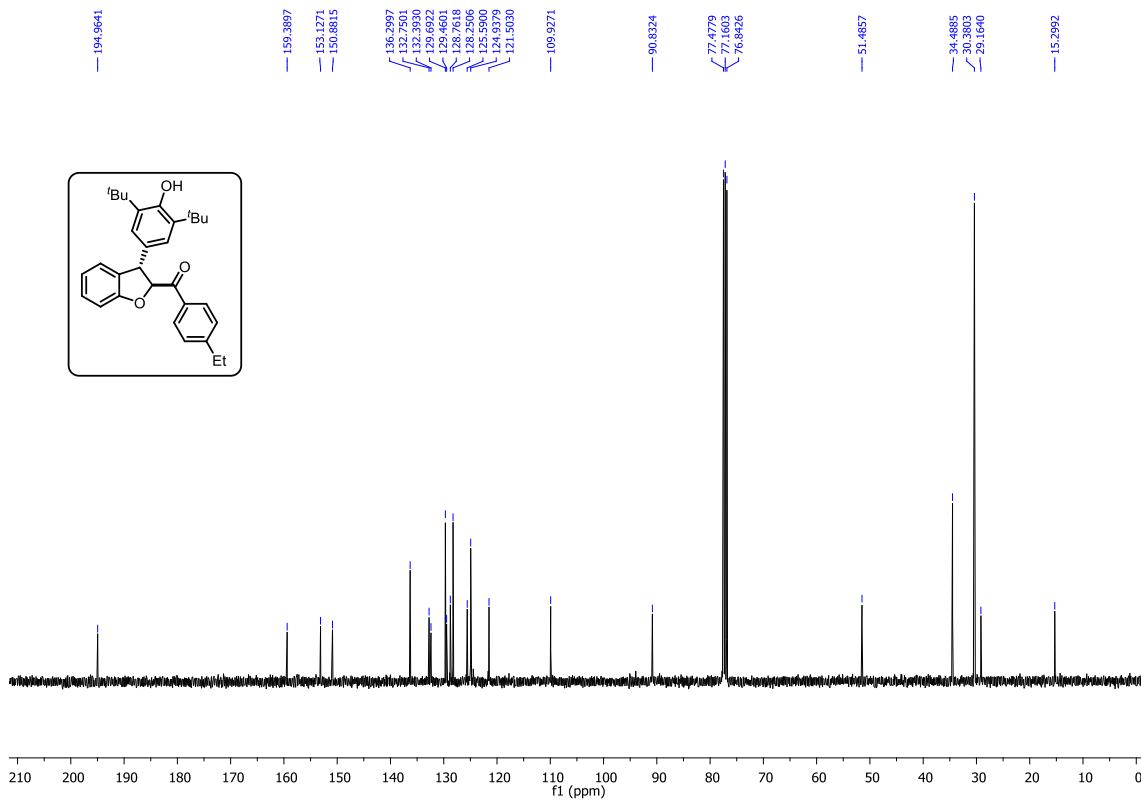
¹³C NMR spectrum of **3b**



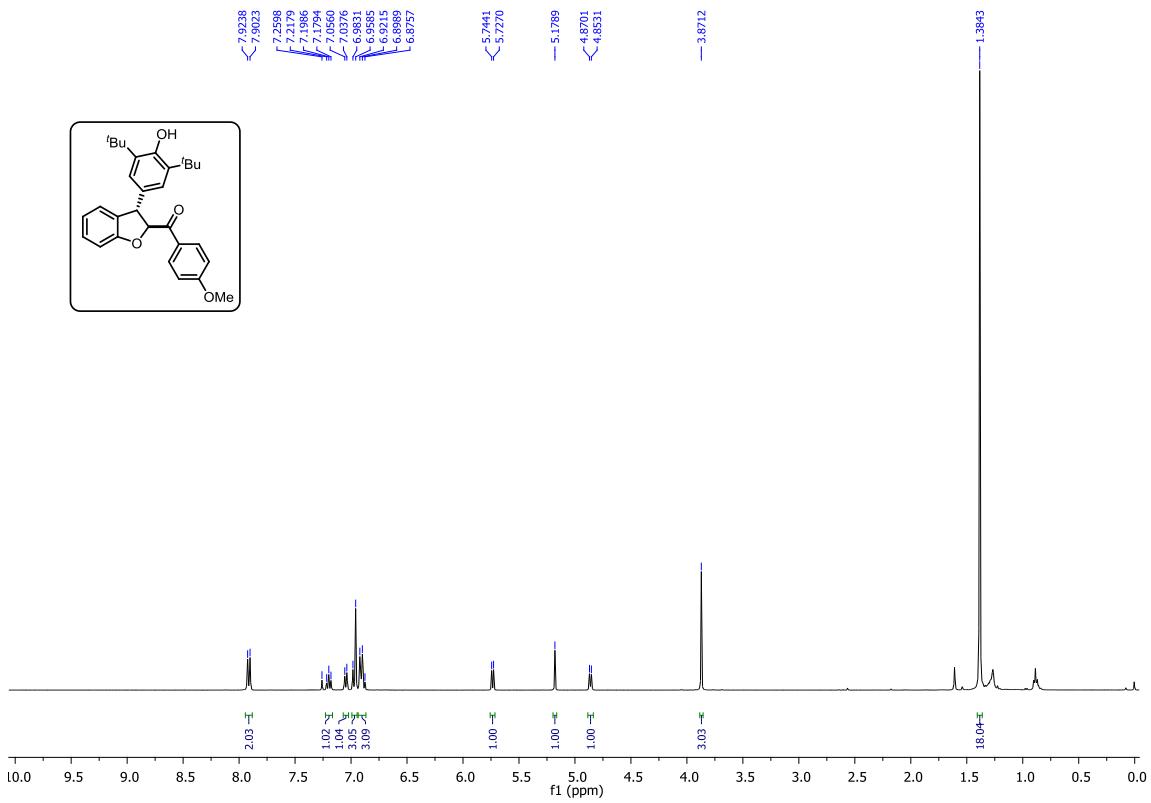
¹H NMR spectrum of **3c**



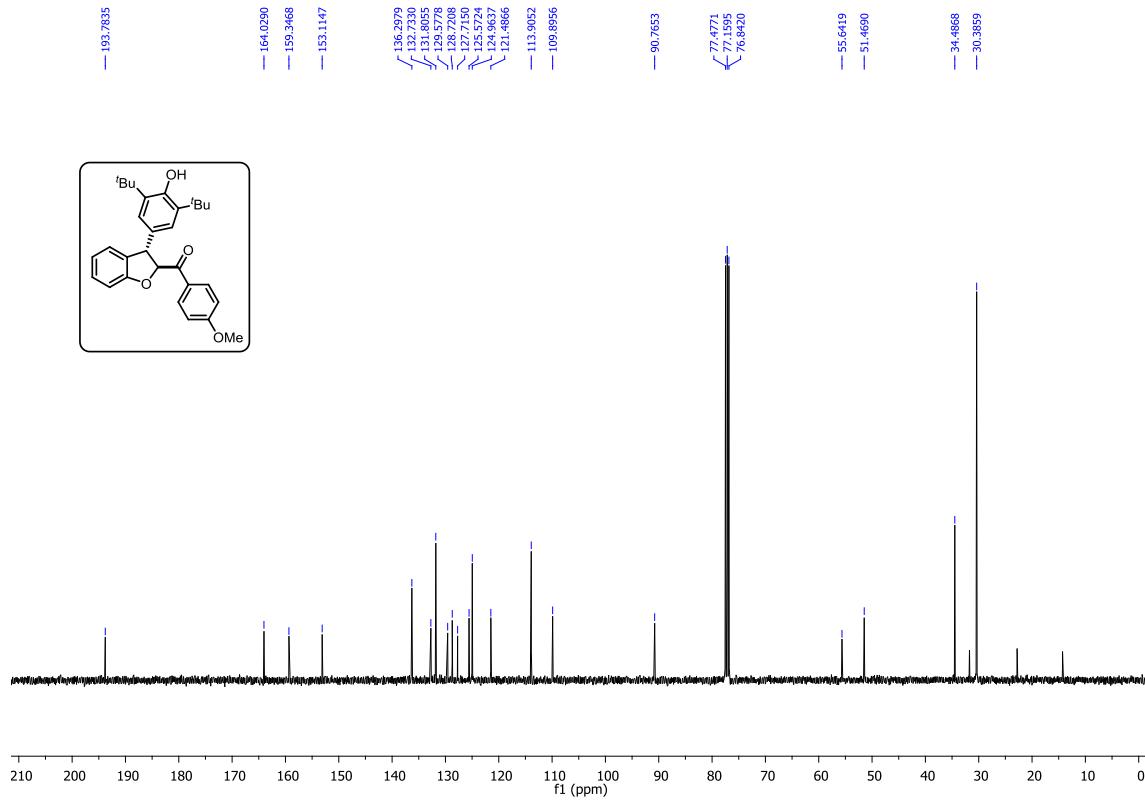
¹³C NMR spectrum of **3c**



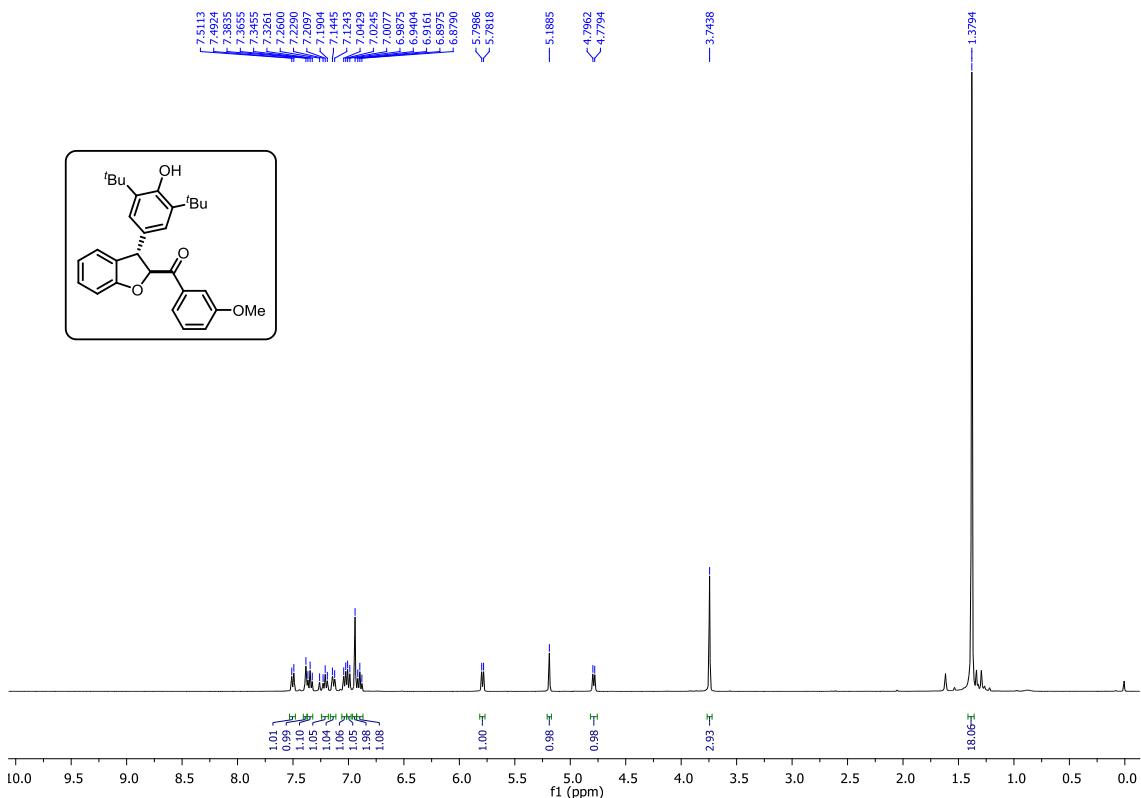
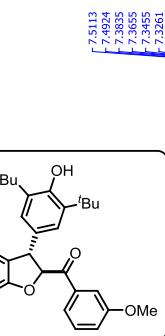
¹H NMR spectrum of **3d**



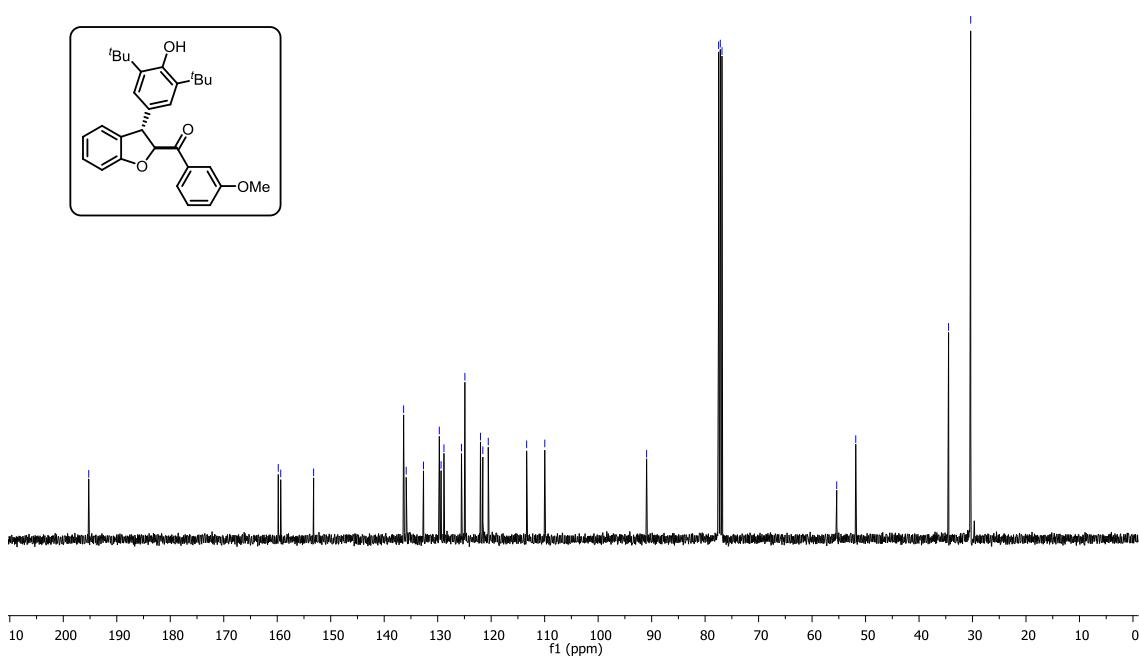
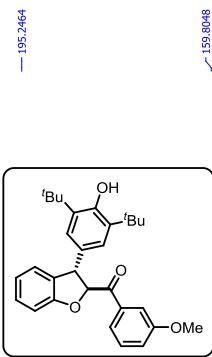
¹³C NMR spectrum of **3d**



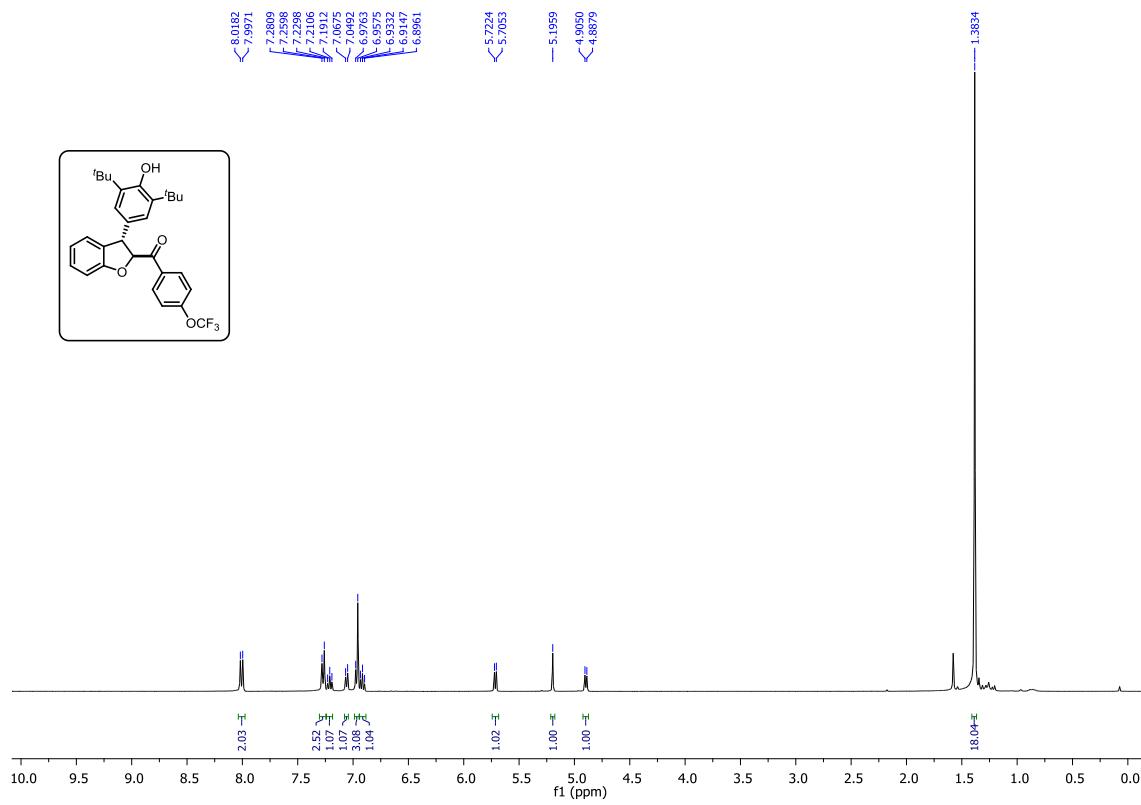
¹H NMR spectrum of **3e**



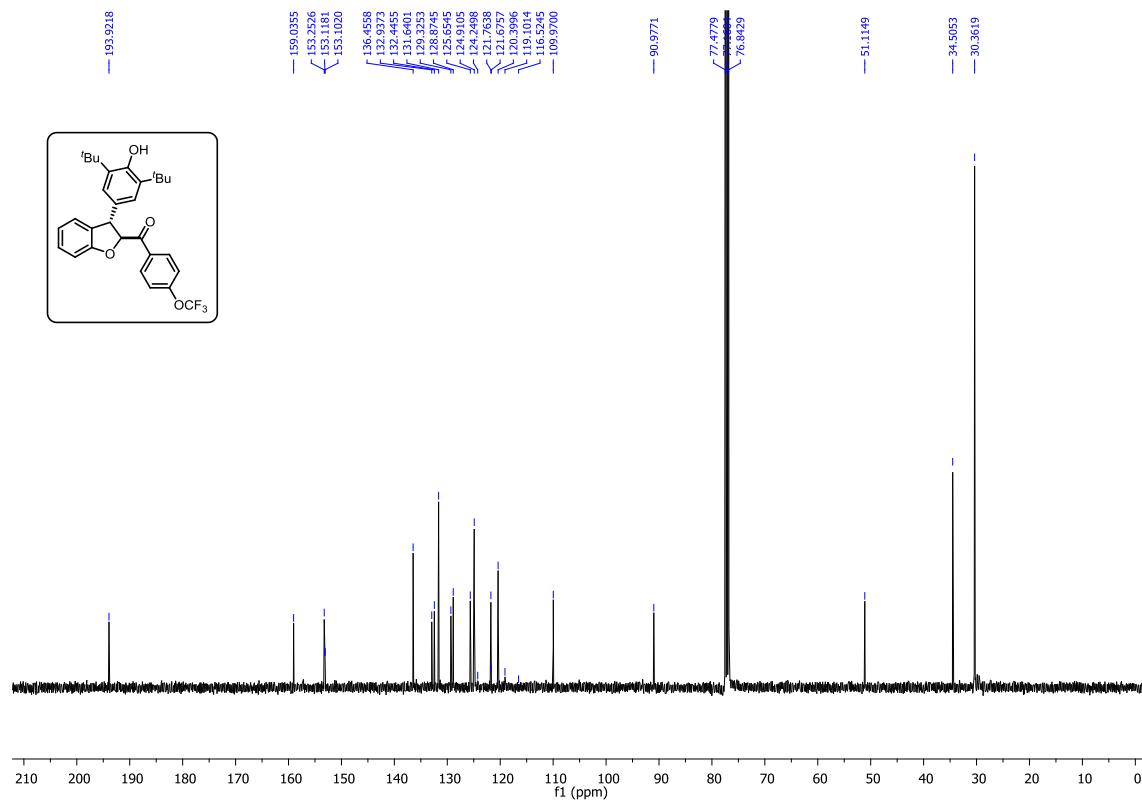
¹³C NMR spectrum of **3e**



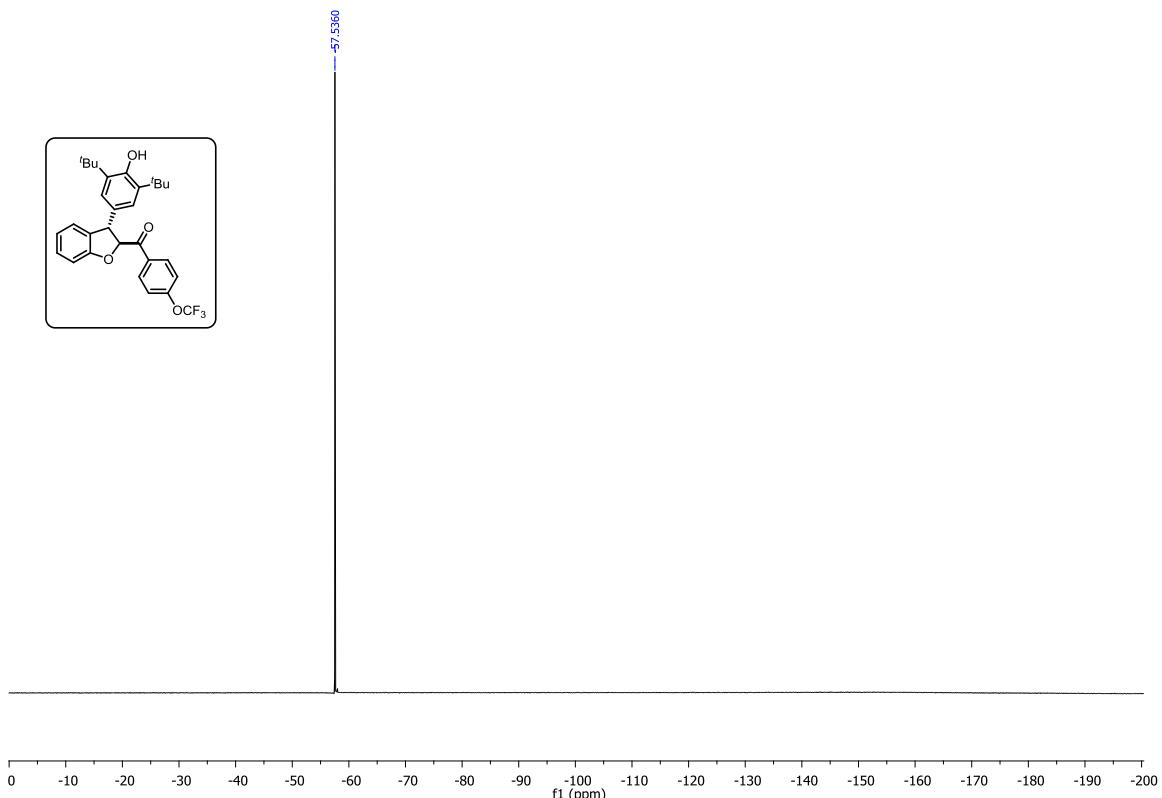
¹H NMR spectrum of **3f**



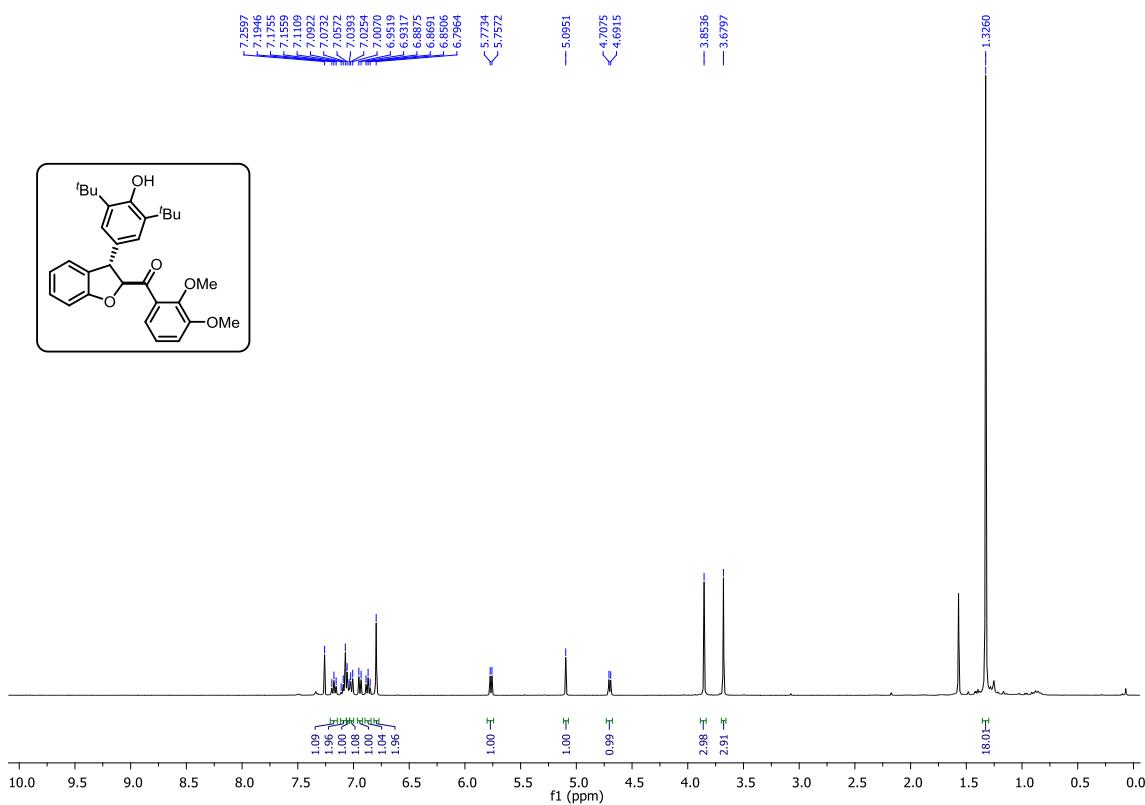
¹³C NMR spectrum of **3f**



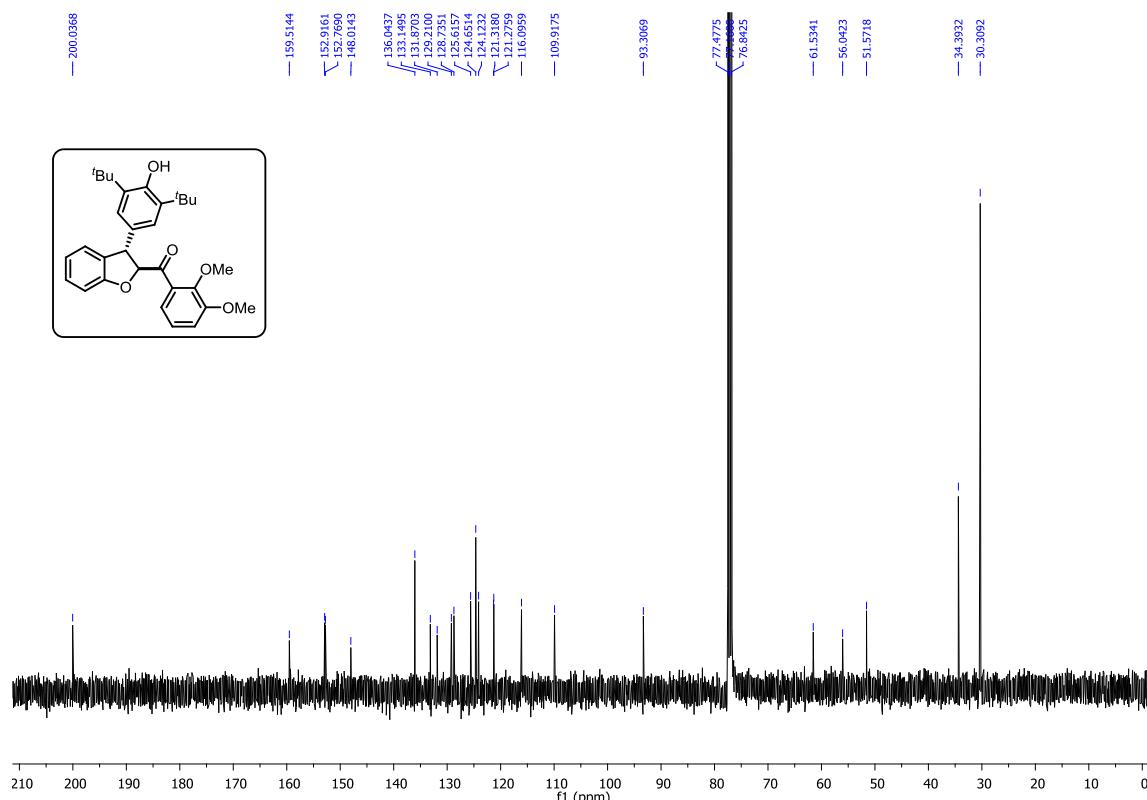
¹⁹F NMR spectrum of **3f**



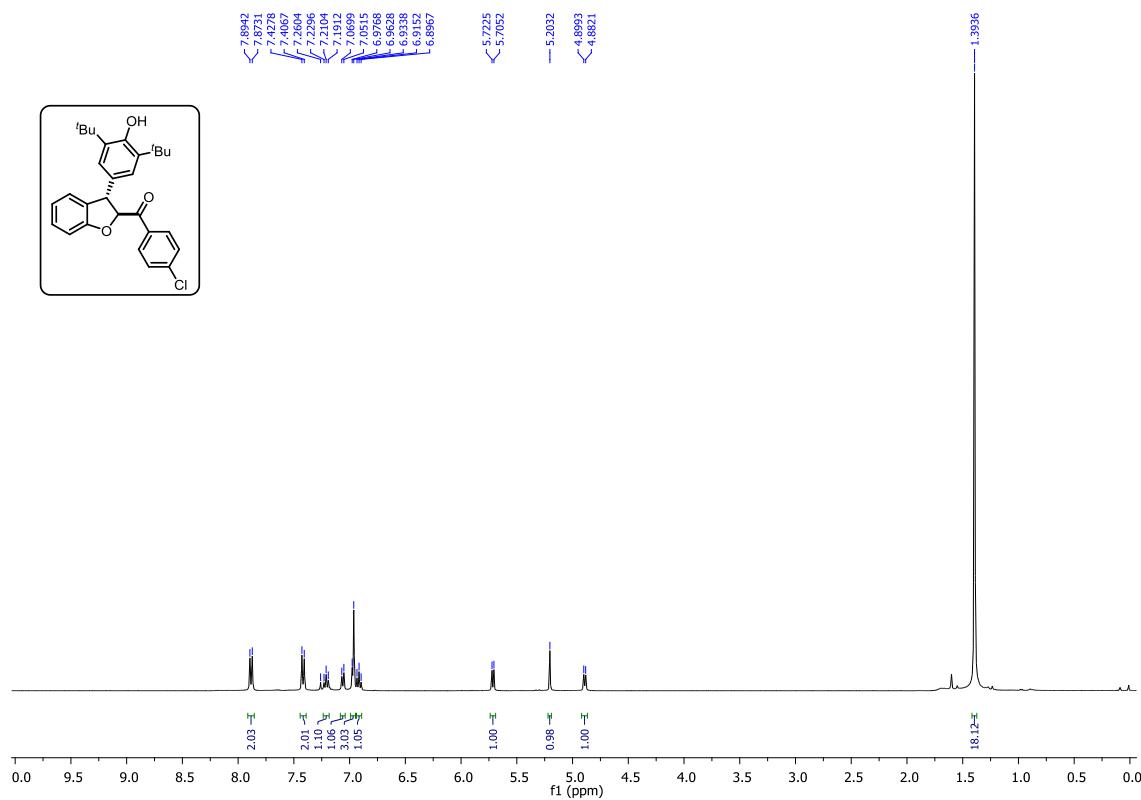
¹H NMR spectrum of **3g**



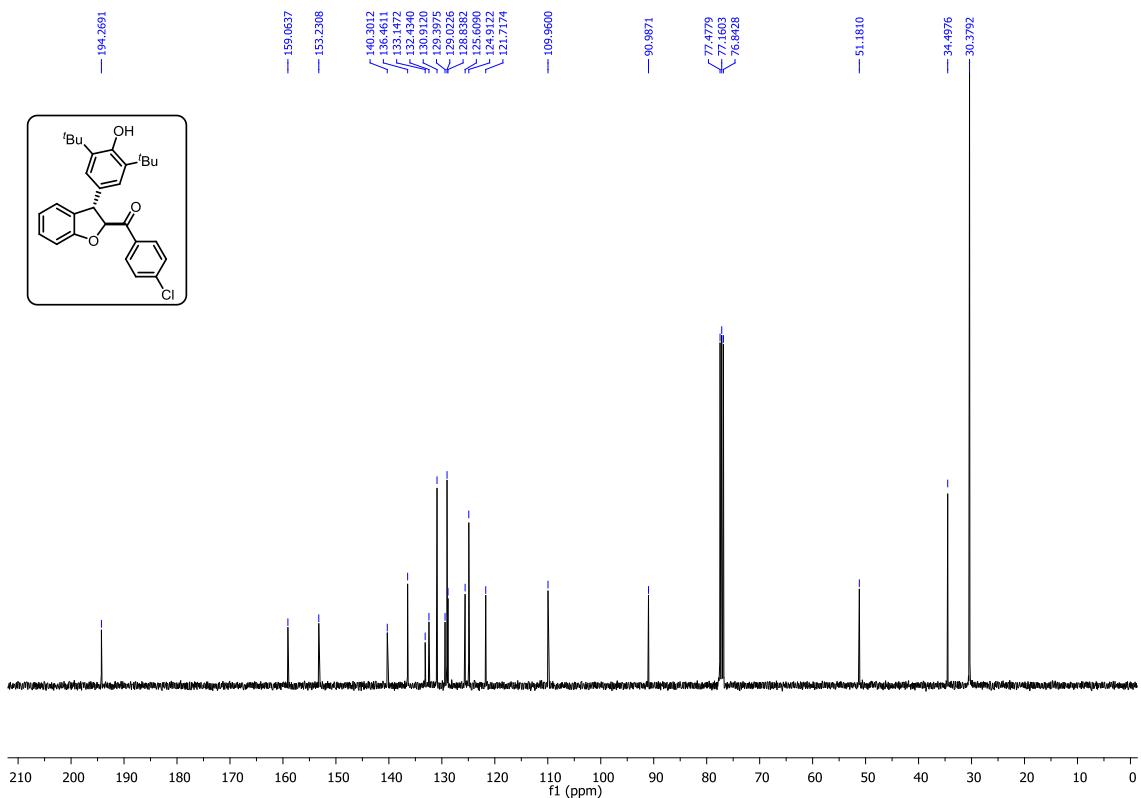
¹³C NMR spectrum of 3g



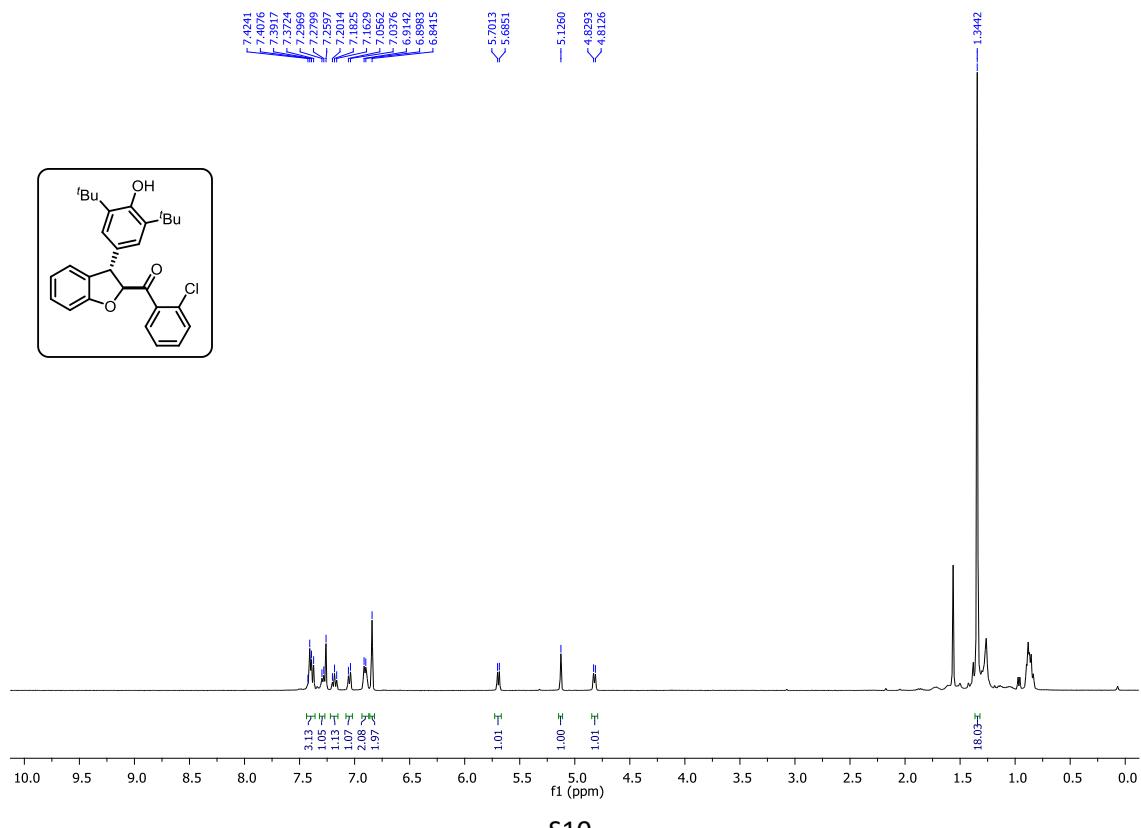
¹H NMR spectrum of **3h**



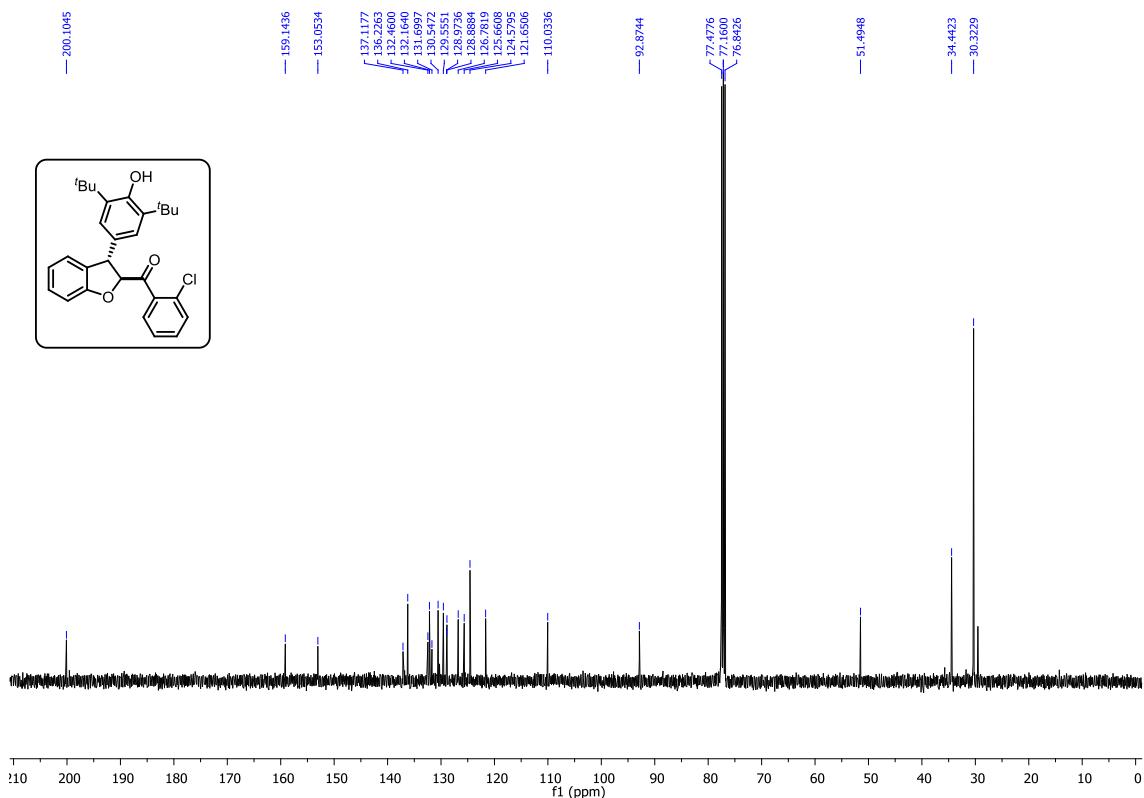
¹³C NMR spectrum of **3h**



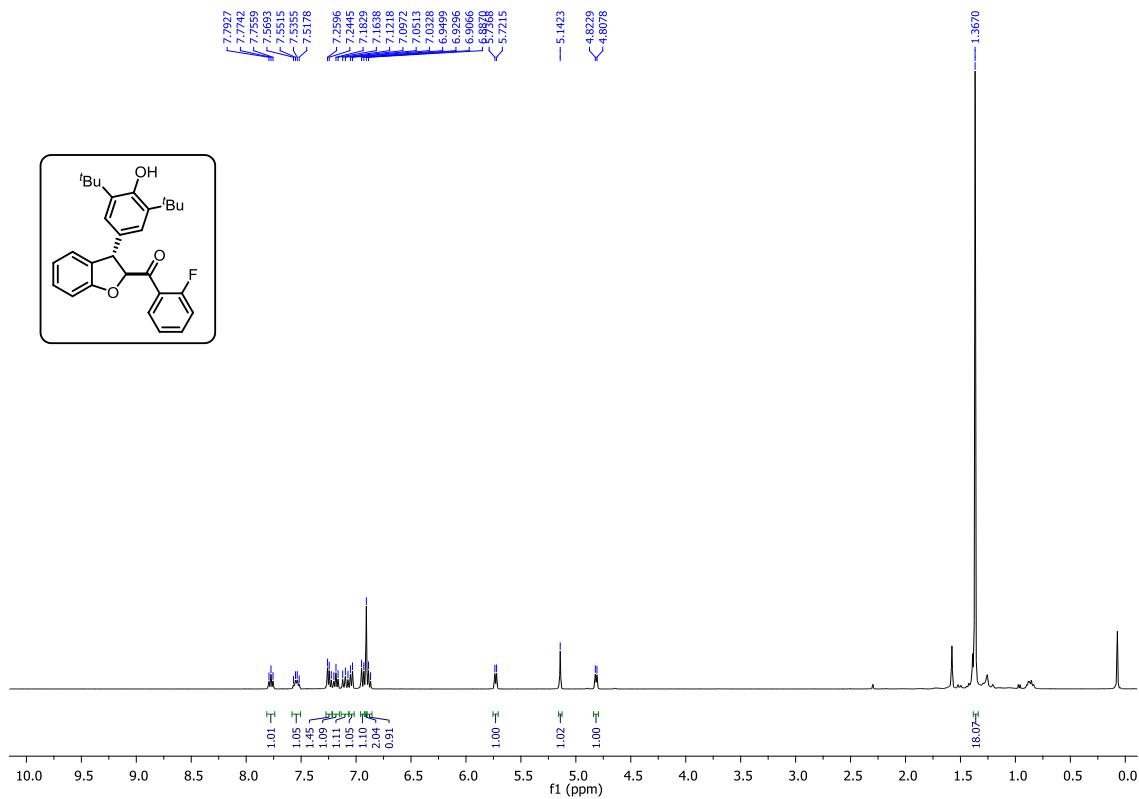
¹H NMR spectrum of **3i**



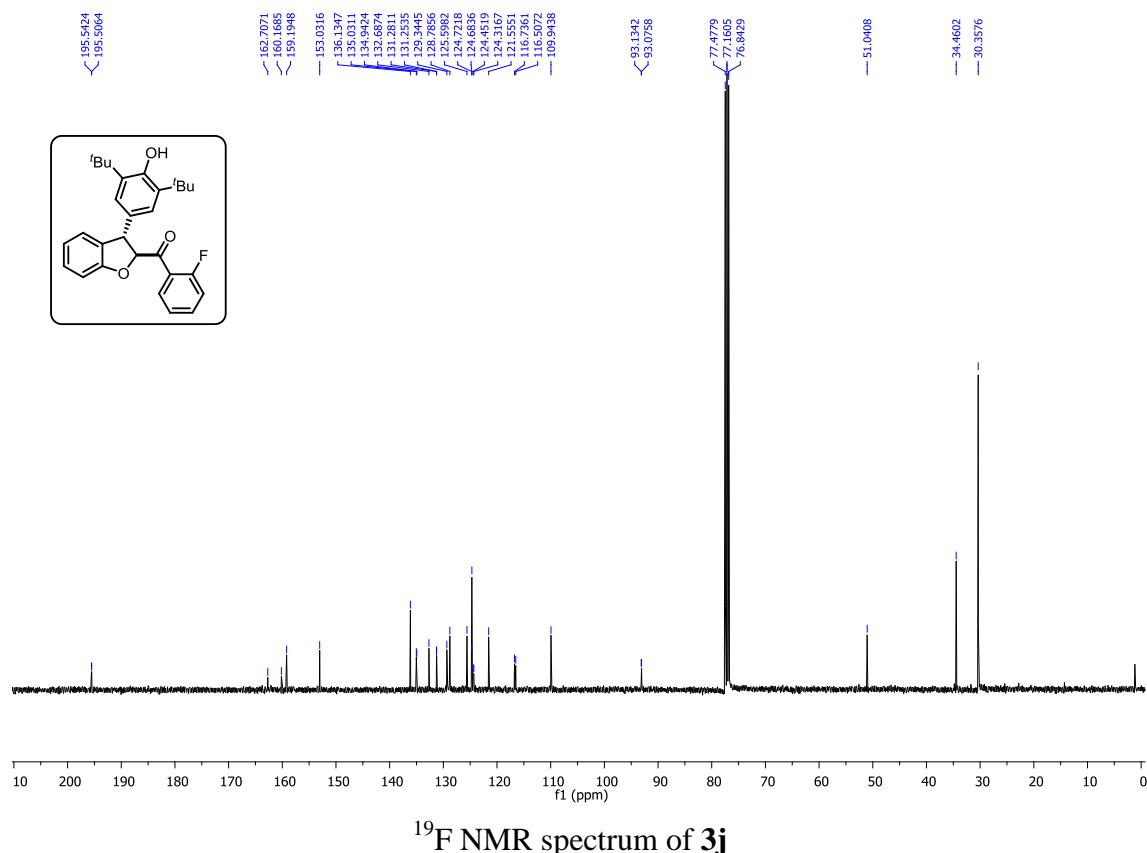
¹³C NMR spectrum of **3i**



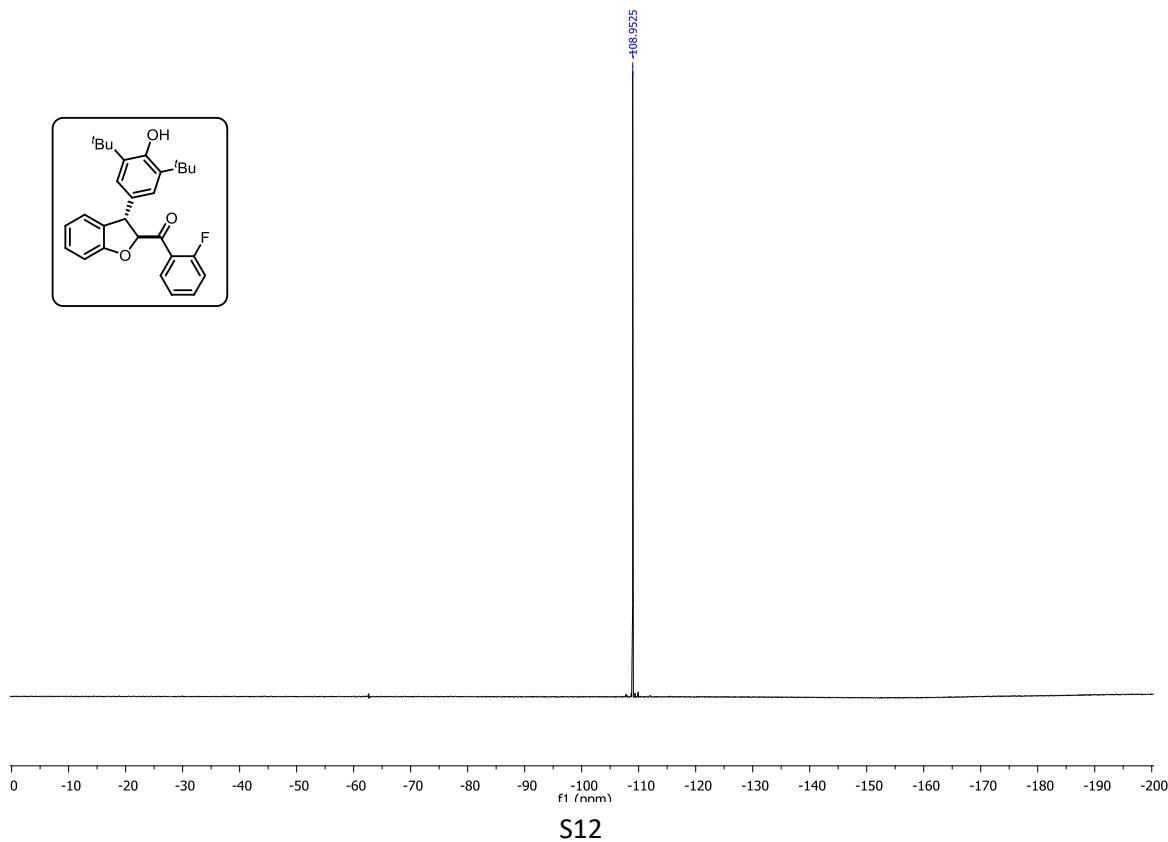
¹H NMR spectrum of **3j**



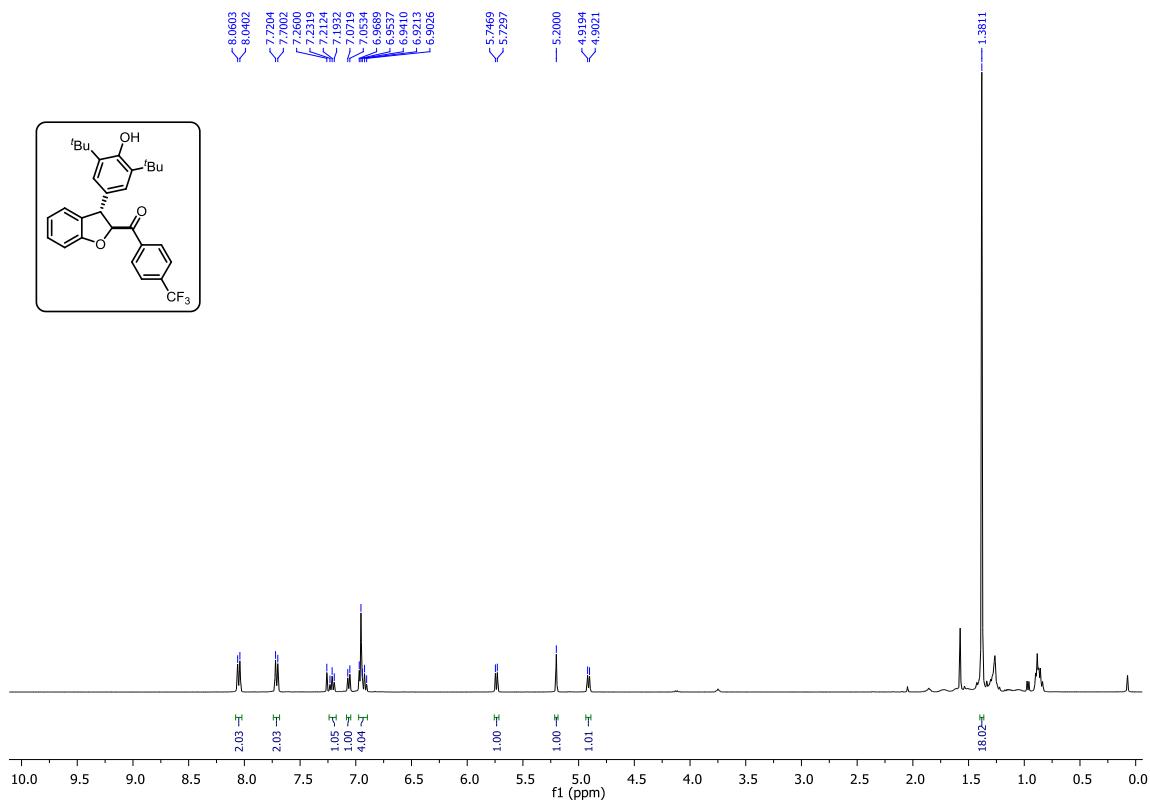
¹³C NMR spectrum of **3j**



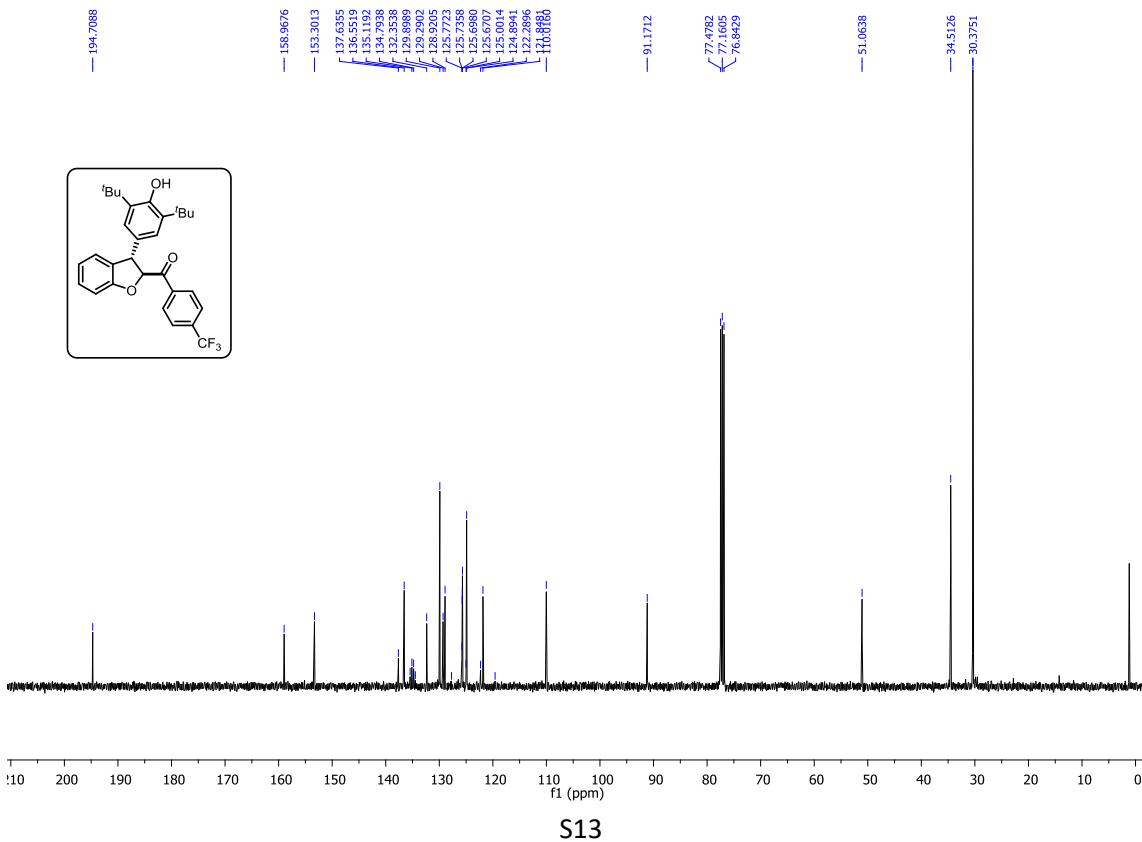
¹⁹F NMR spectrum of **3j**



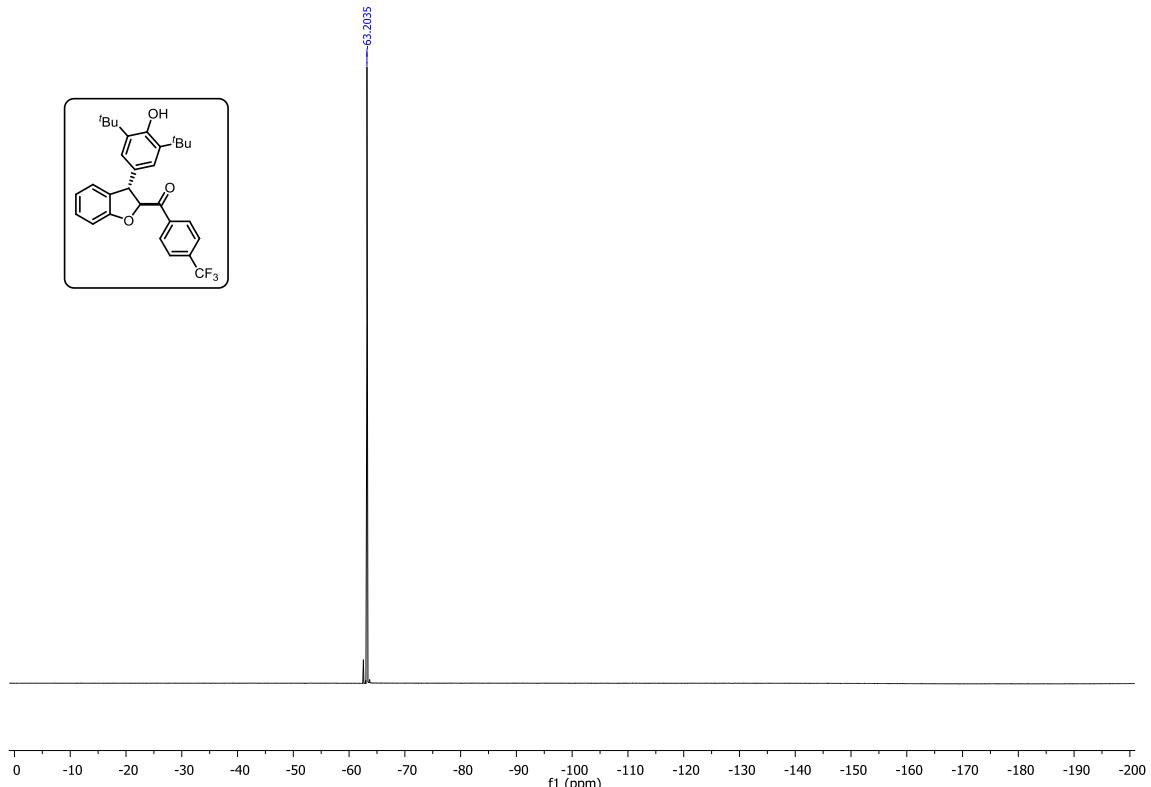
¹H NMR spectrum of **3k**



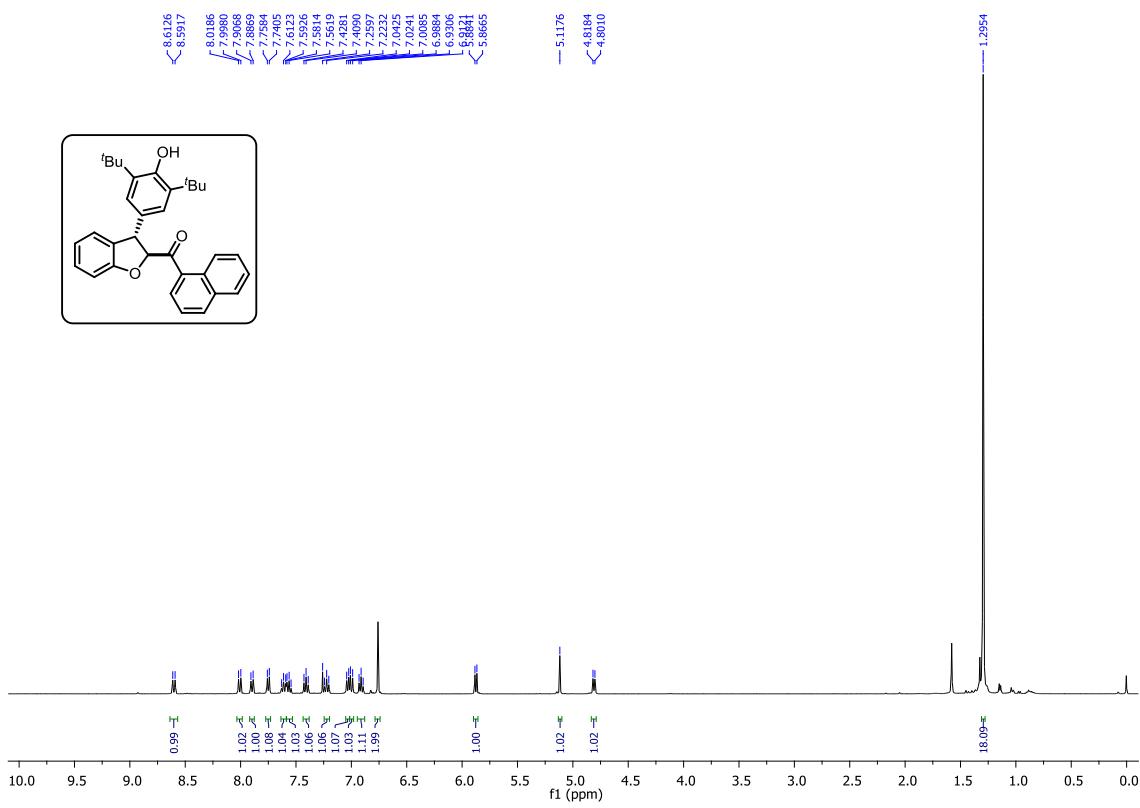
¹³C NMR spectrum of **3k**



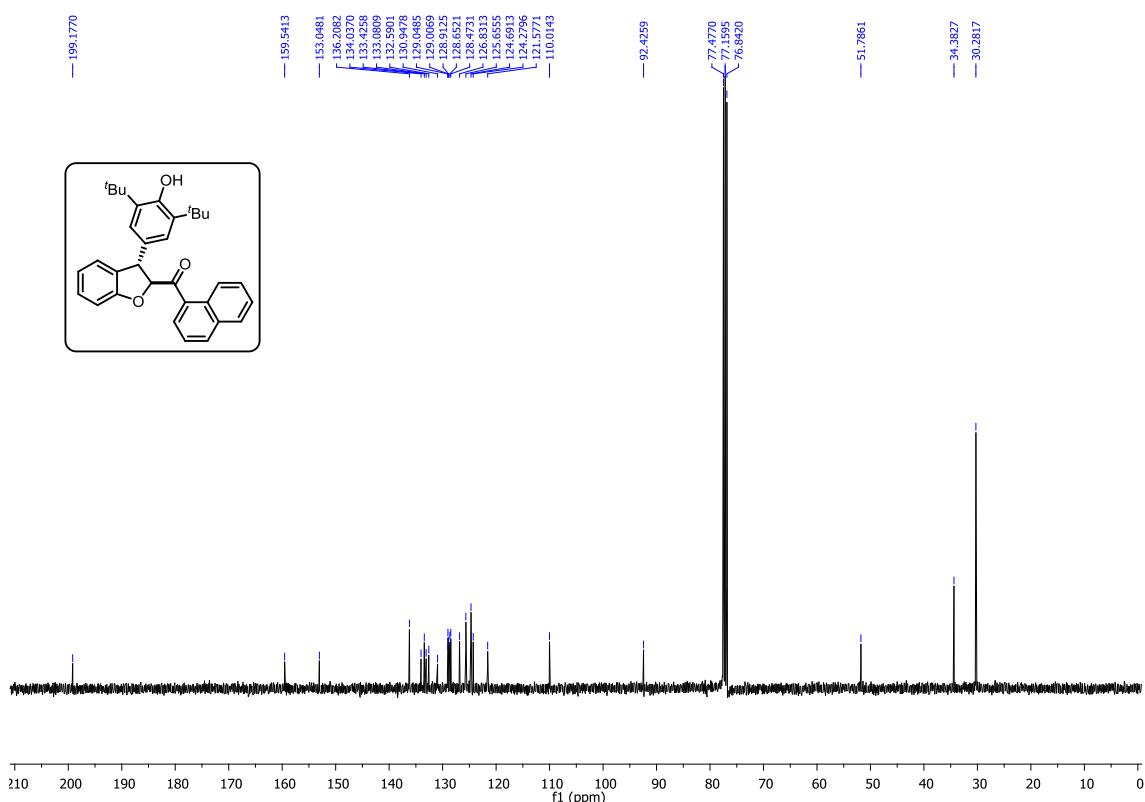
¹⁹F NMR spectrum of **3k**



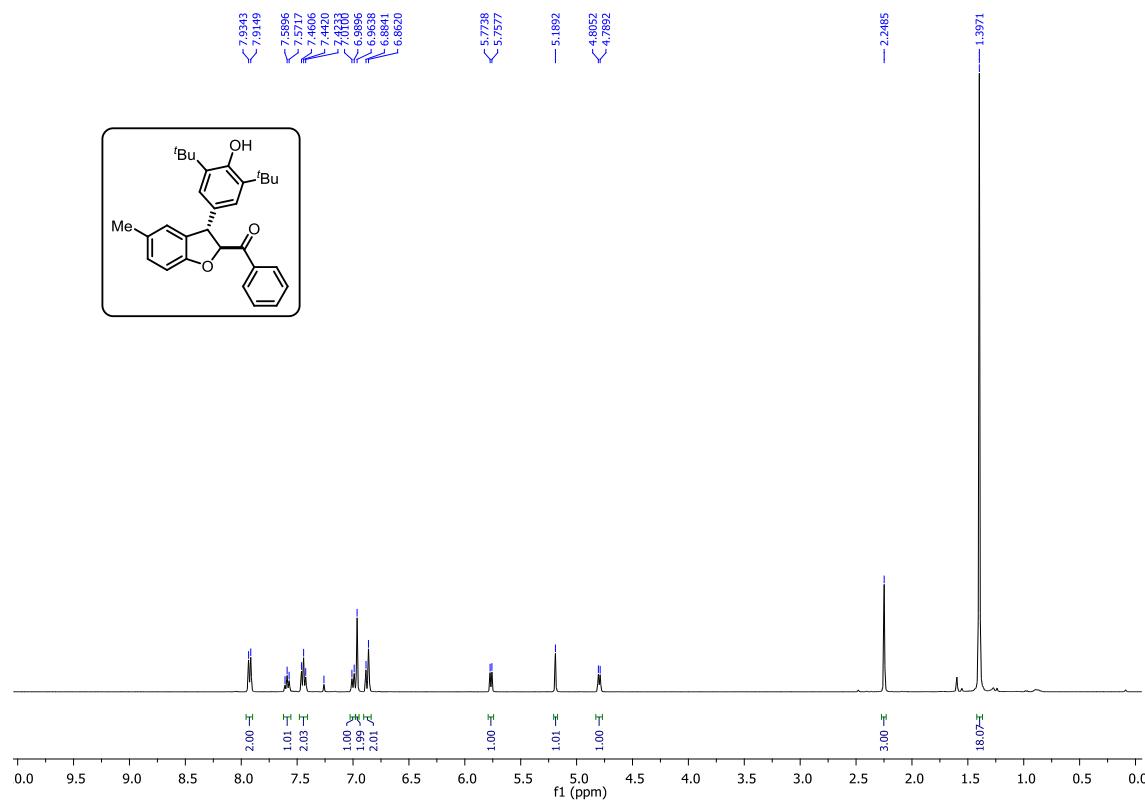
¹H NMR spectrum of **3l**



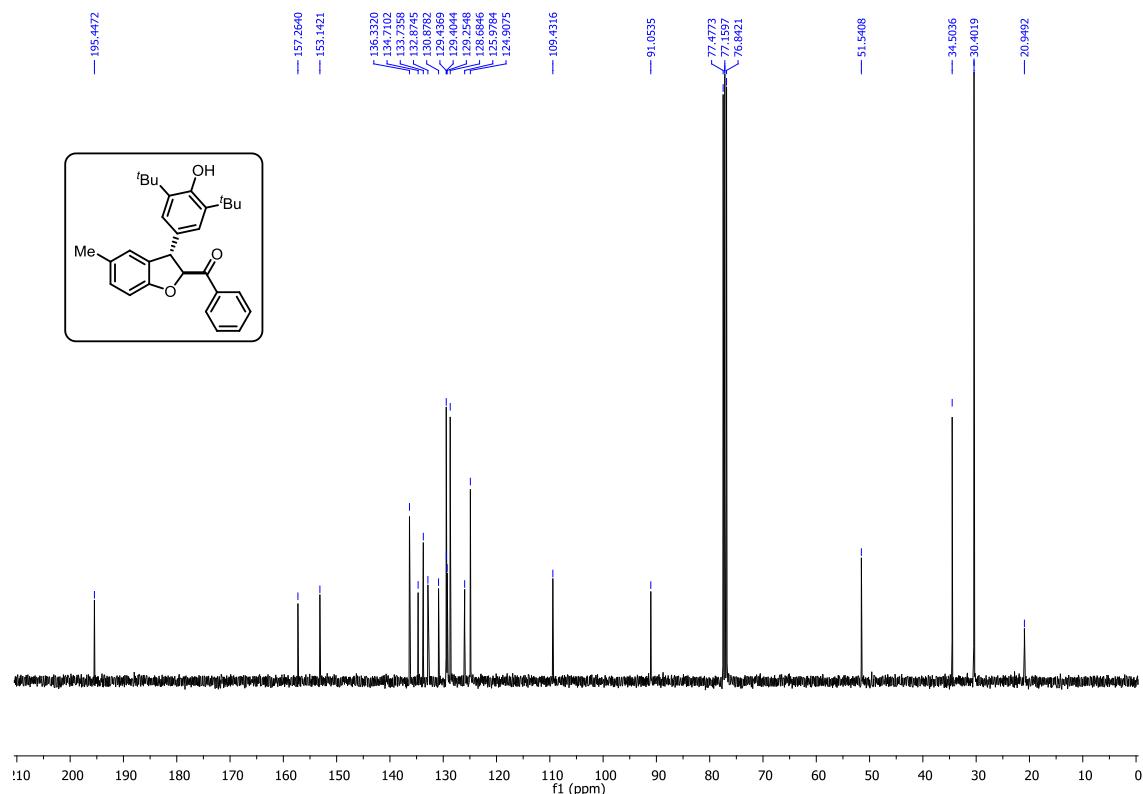
¹³C NMR spectrum of **3l**



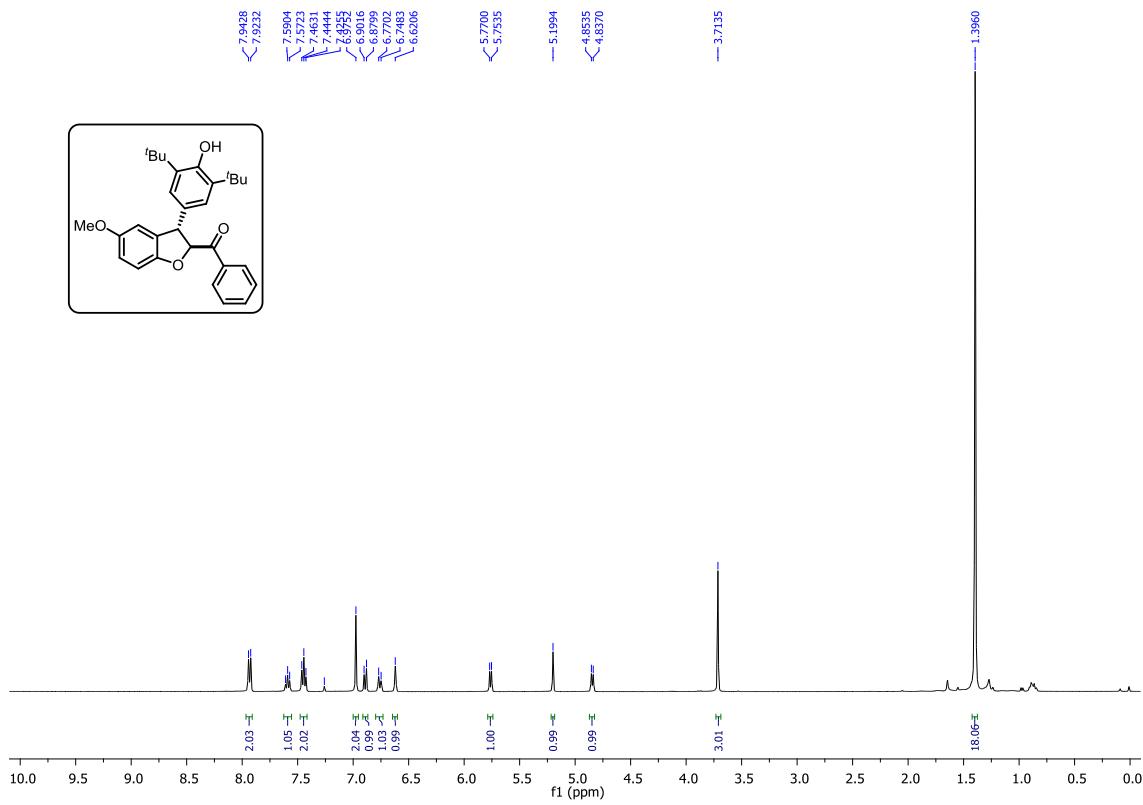
¹H NMR spectrum of **3m**



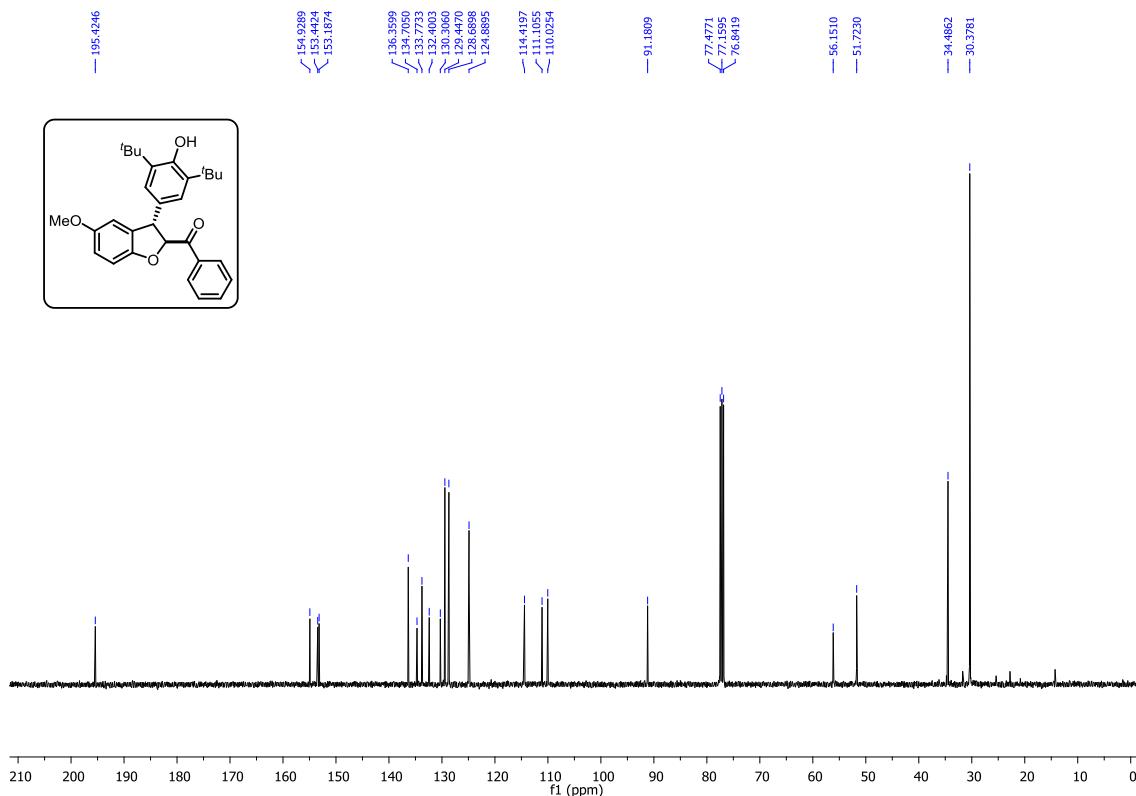
¹³C NMR spectrum of **3m**



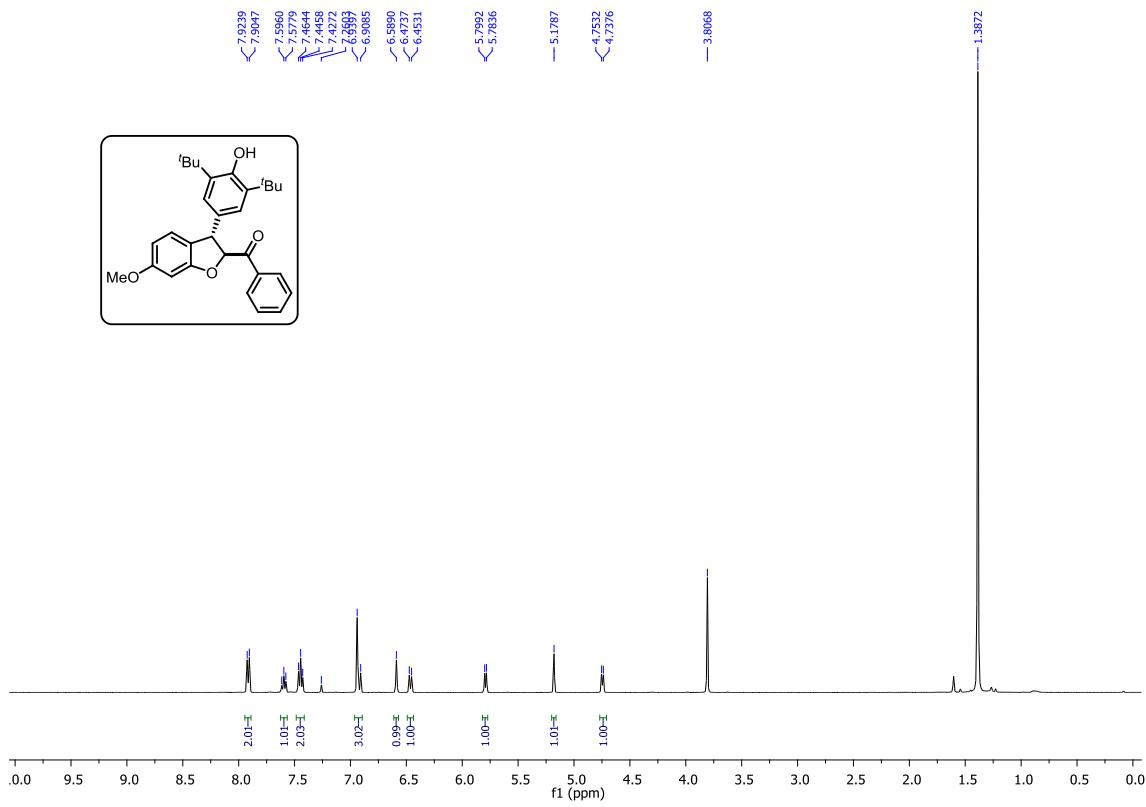
¹H NMR spectrum of **3n**



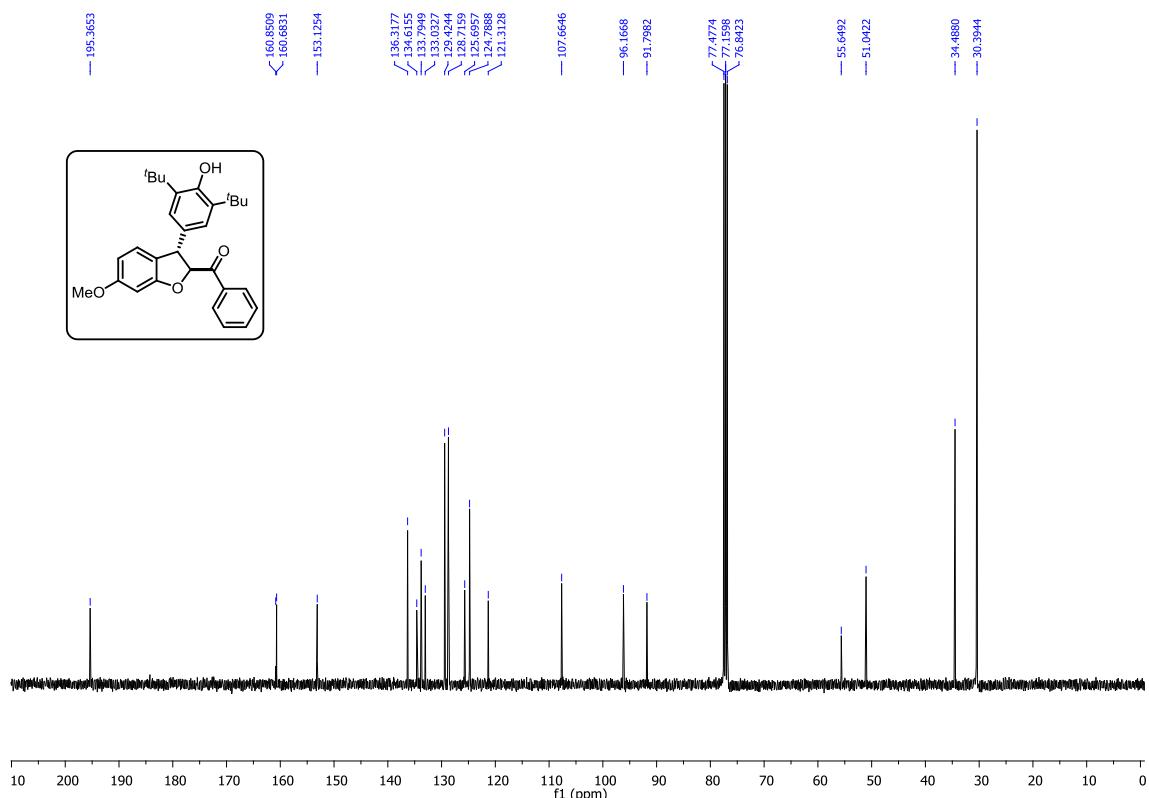
¹³C NMR spectrum of **3n**



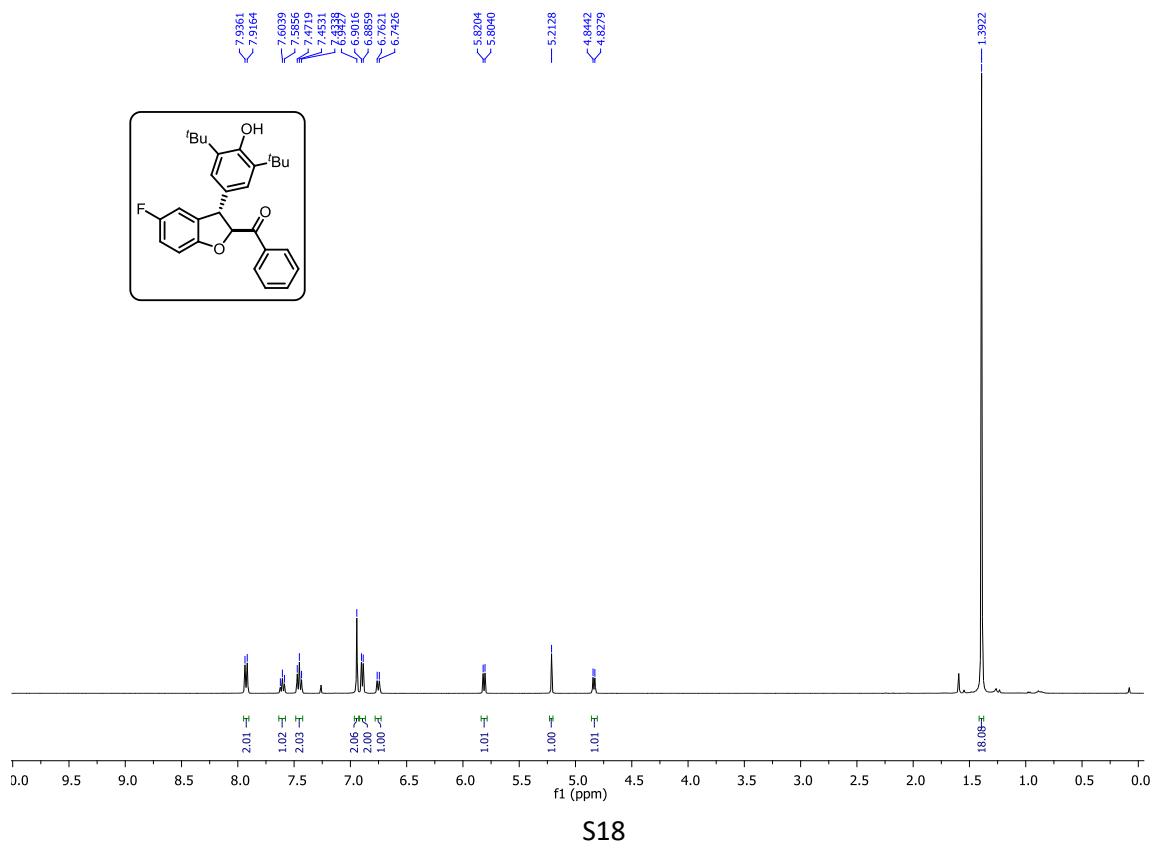
¹H NMR spectrum of **3o**



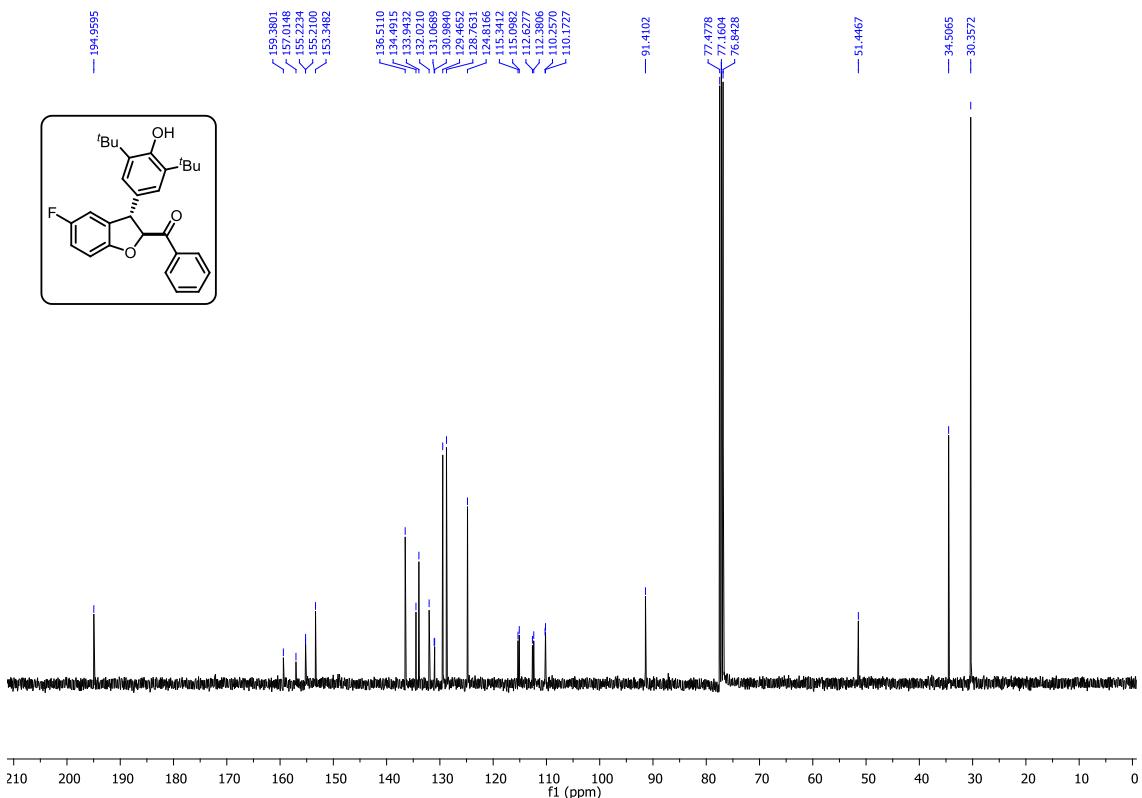
¹³C NMR spectrum of **3o**



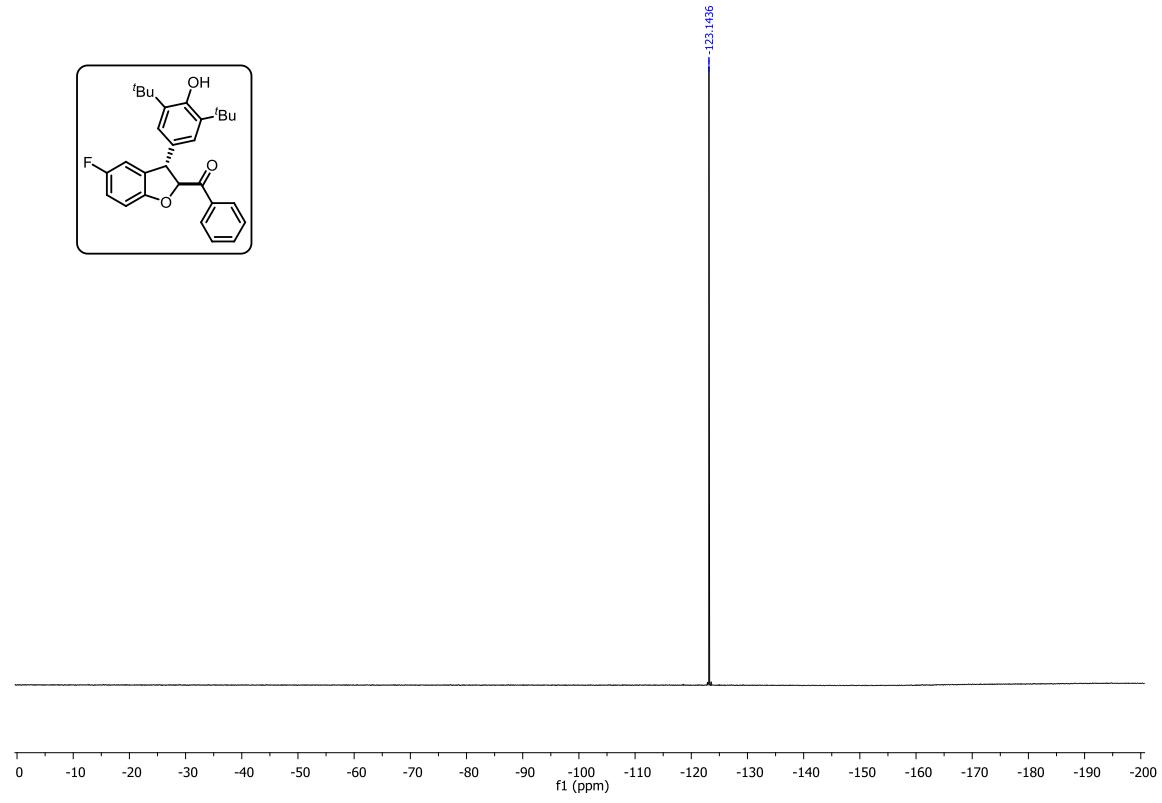
¹H NMR spectrum of 3p



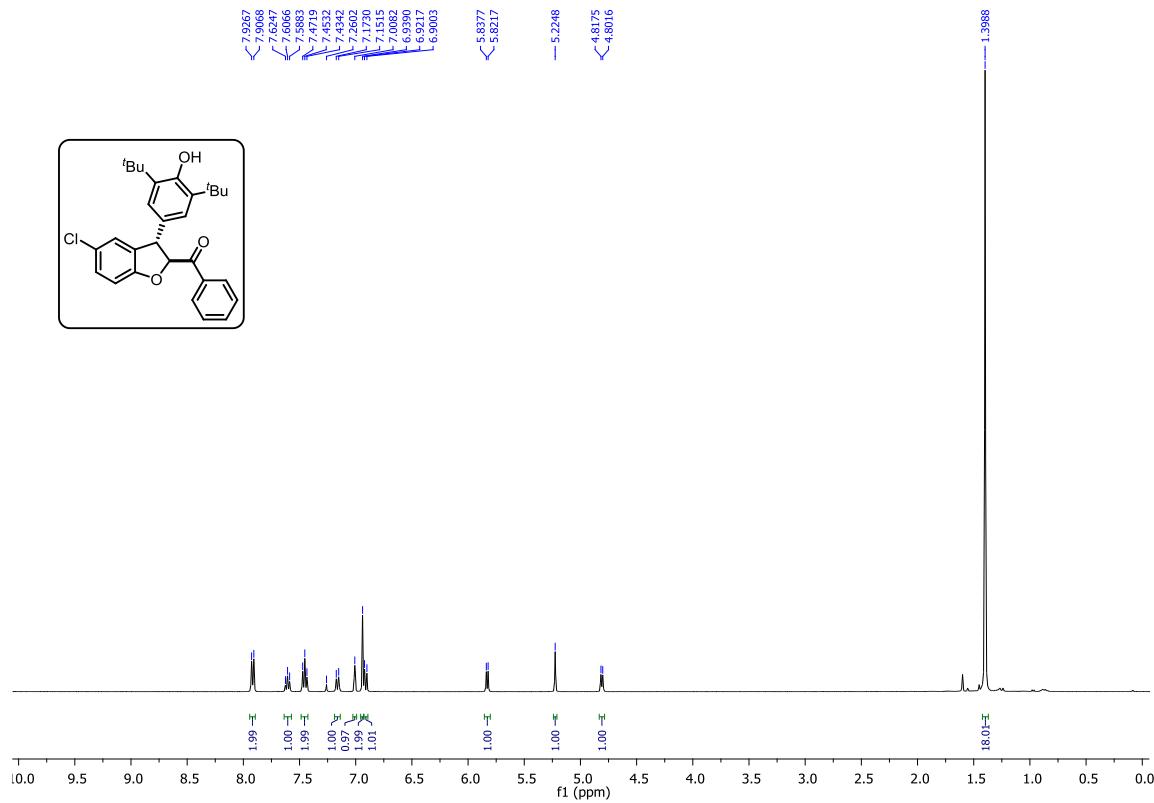
¹³C NMR spectrum of **3p**



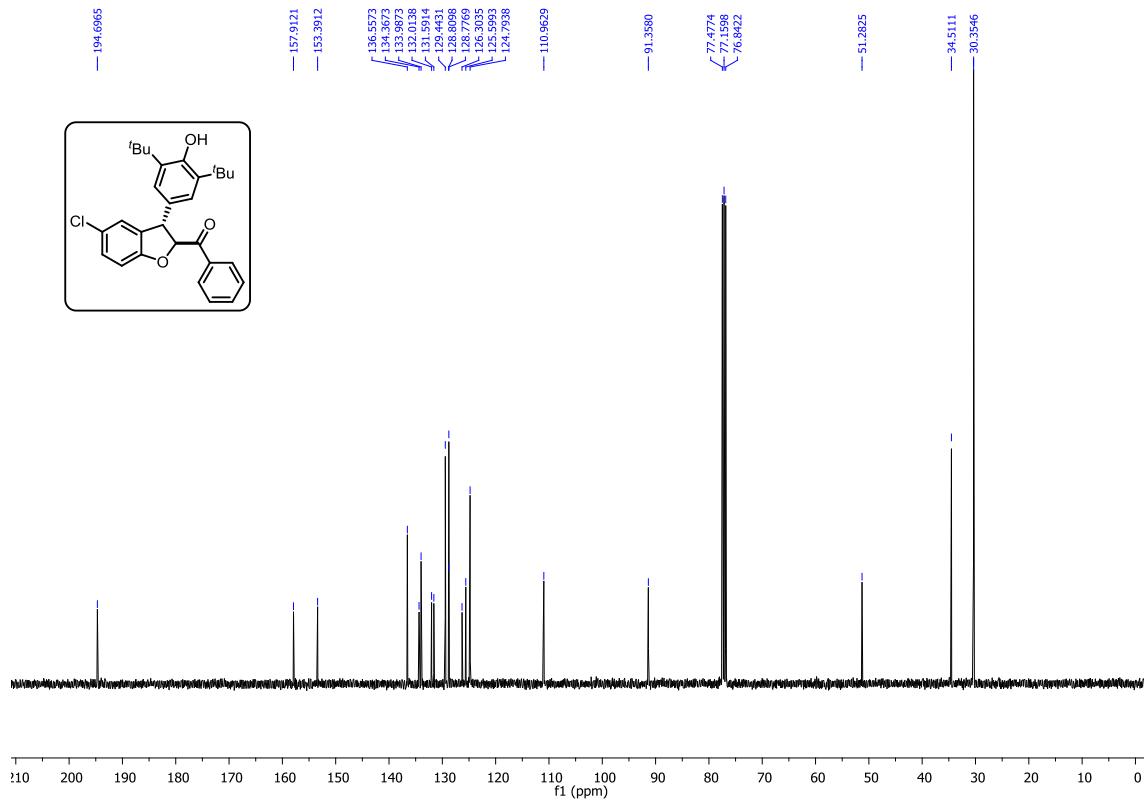
¹⁹F NMR spectrum of **3p**



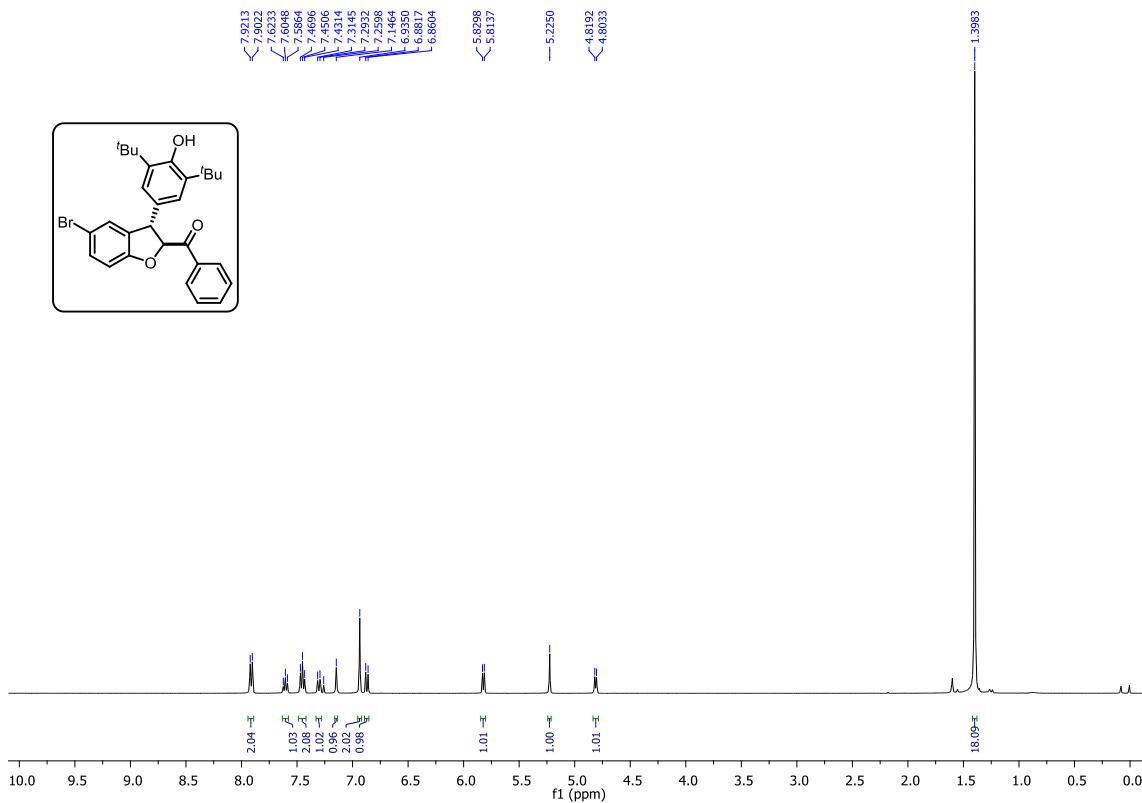
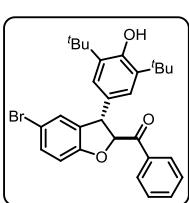
¹H NMR spectrum of **3q**



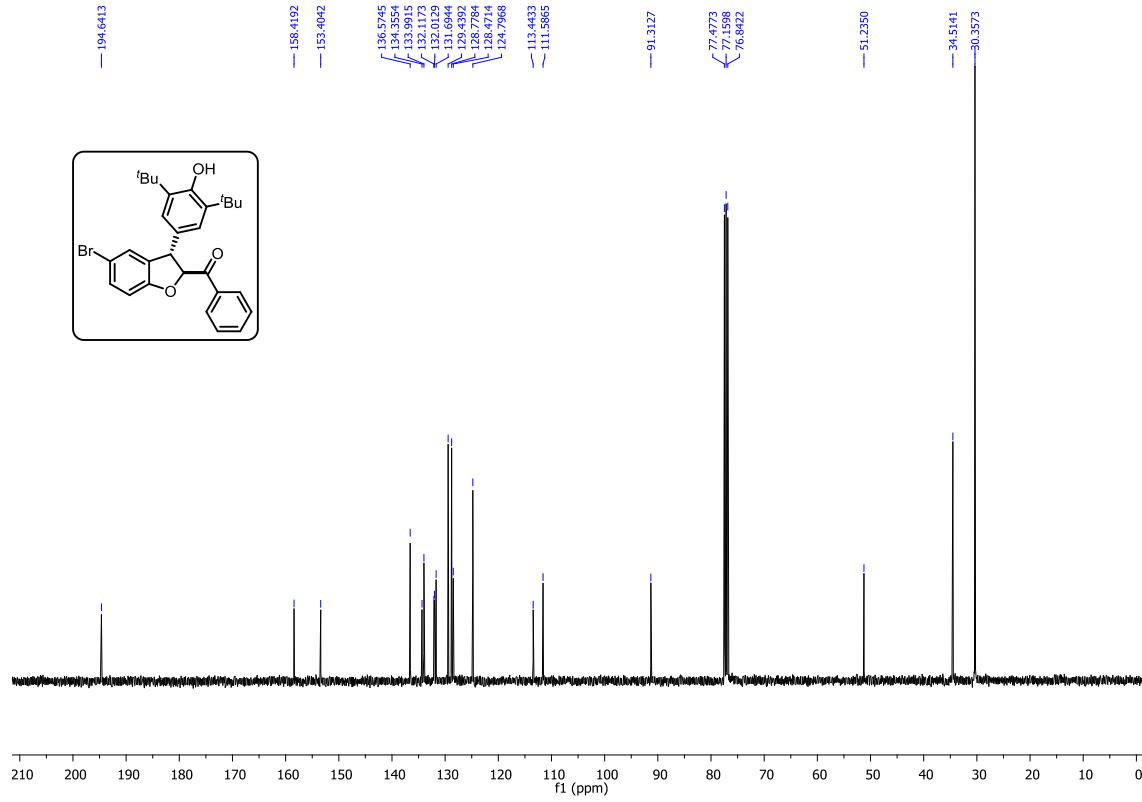
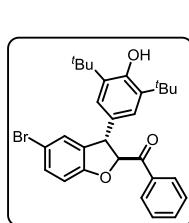
¹³C NMR spectrum of **3q**



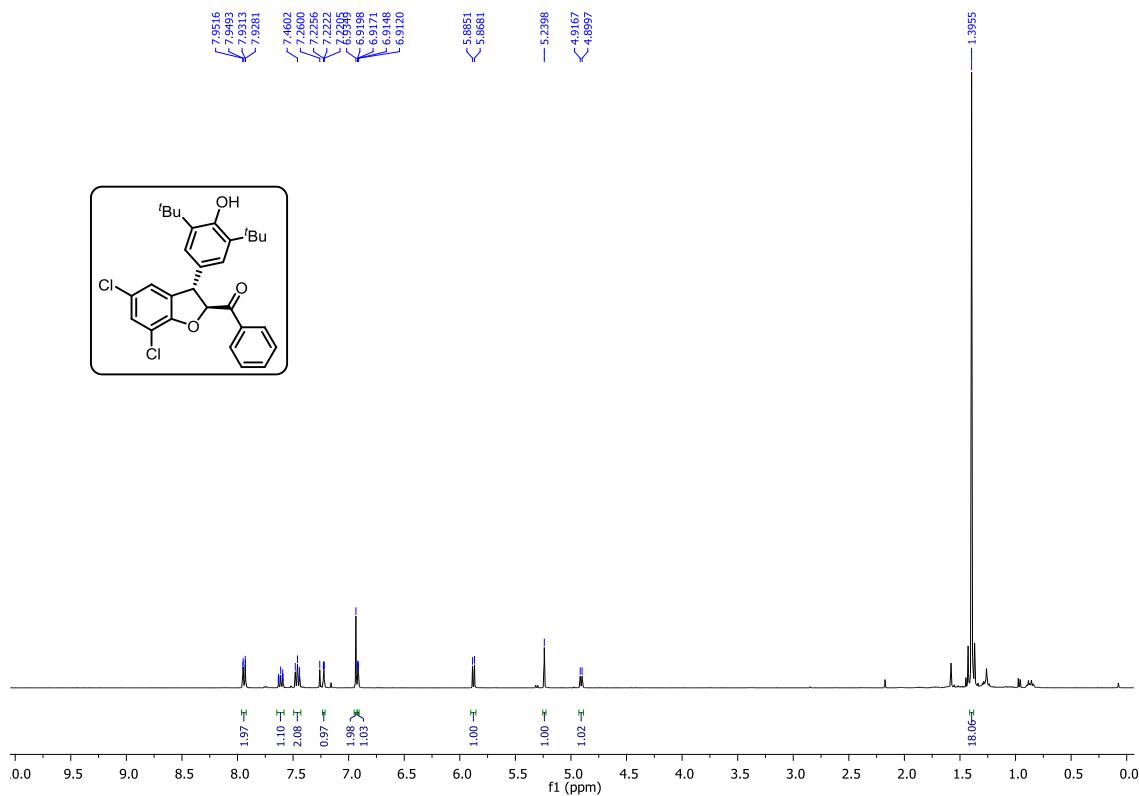
¹H NMR spectrum of 3r



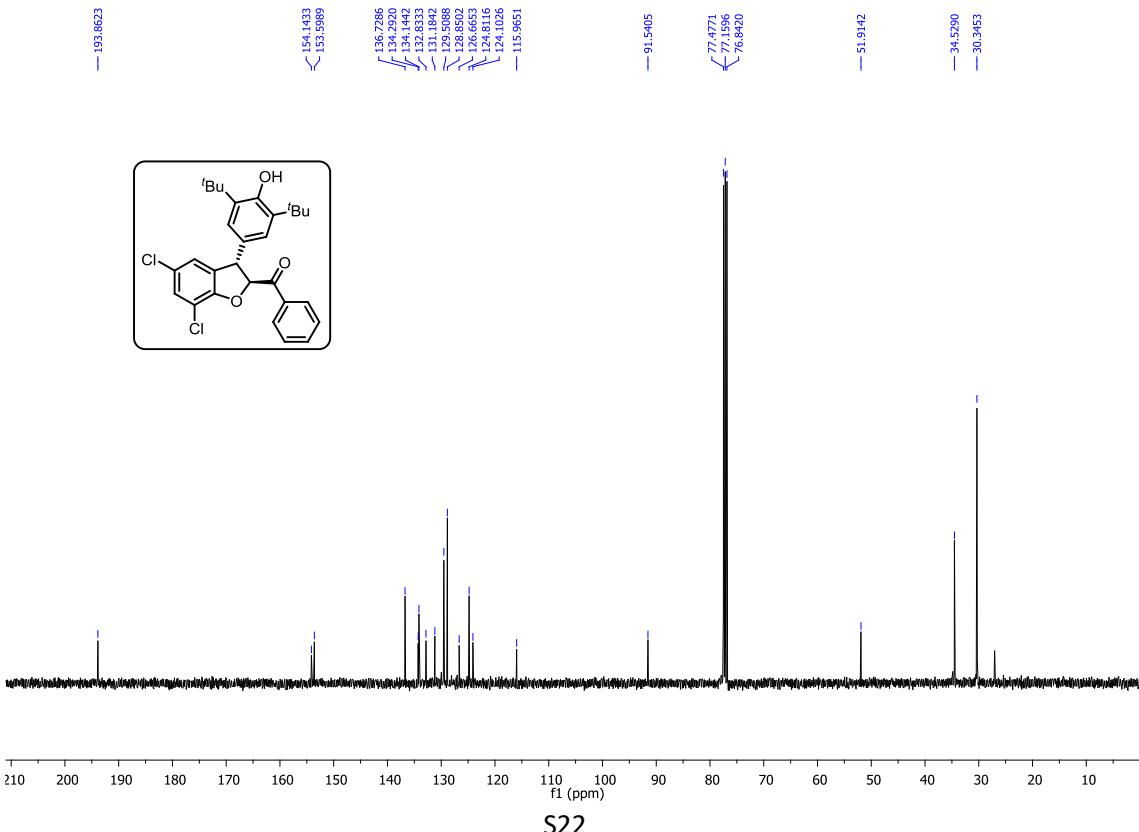
¹³C NMR spectrum of 3r



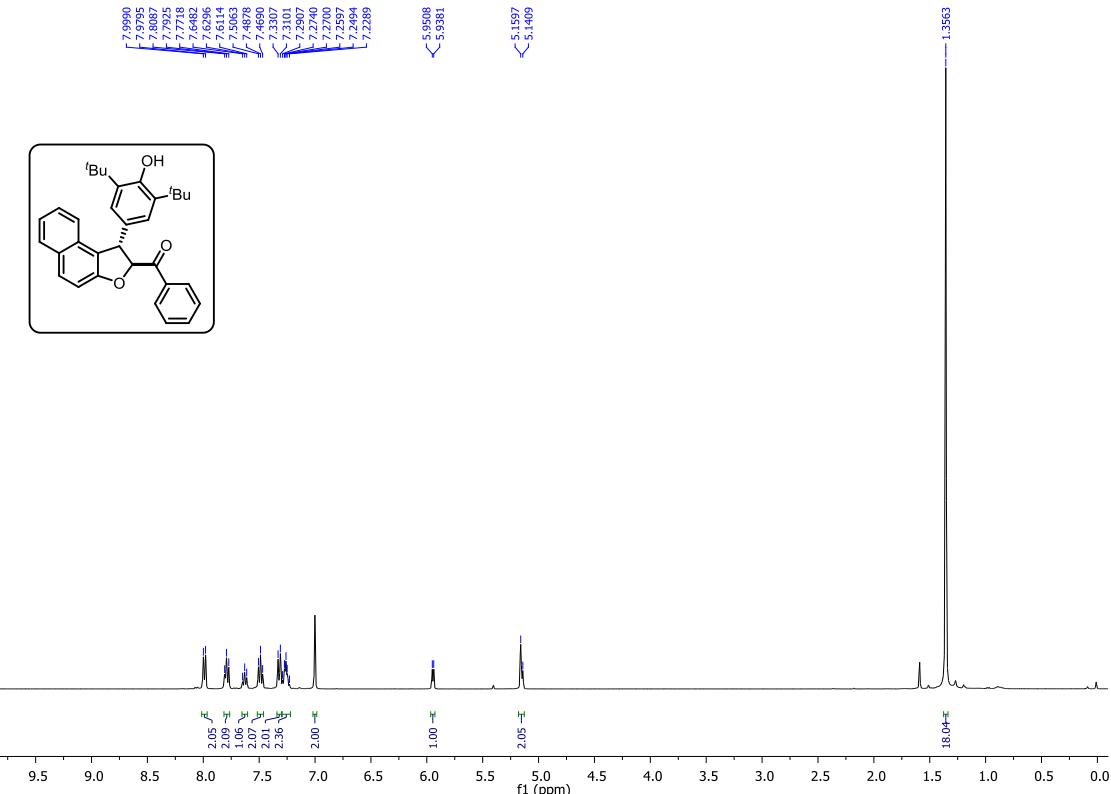
¹H NMR spectrum of **3s**



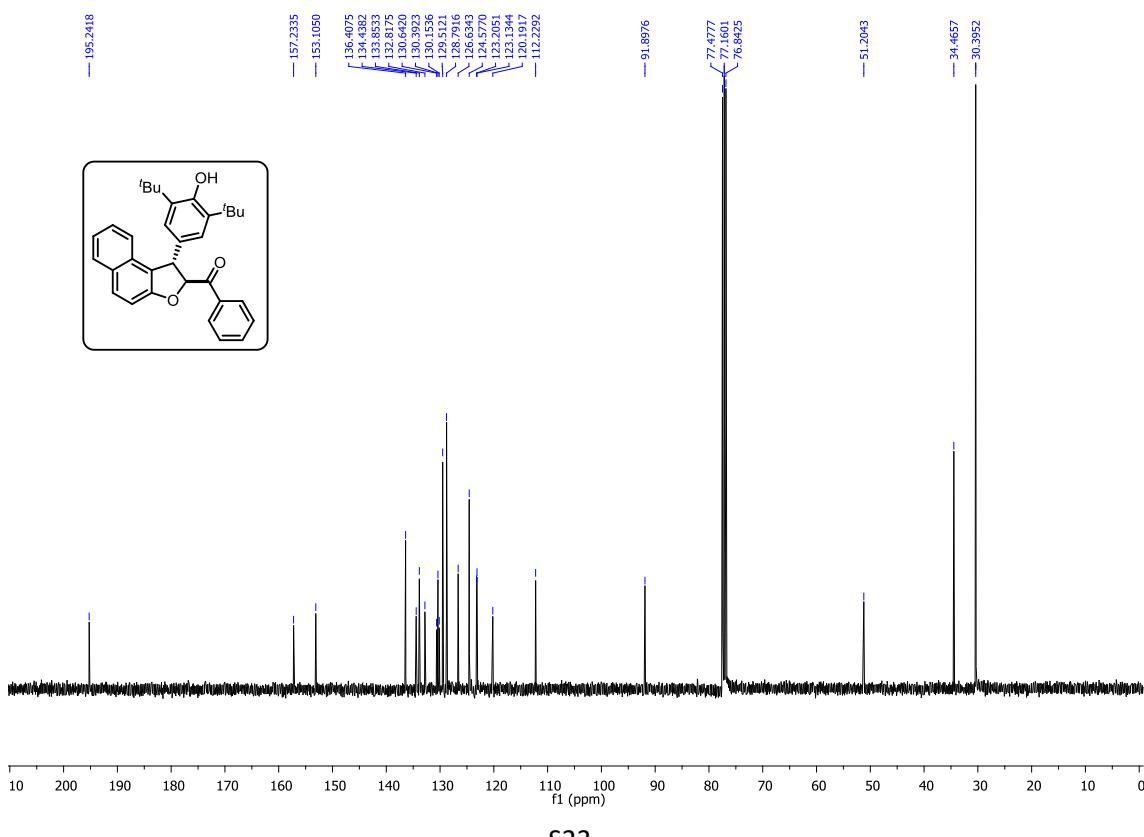
¹³C NMR spectrum of **3s**



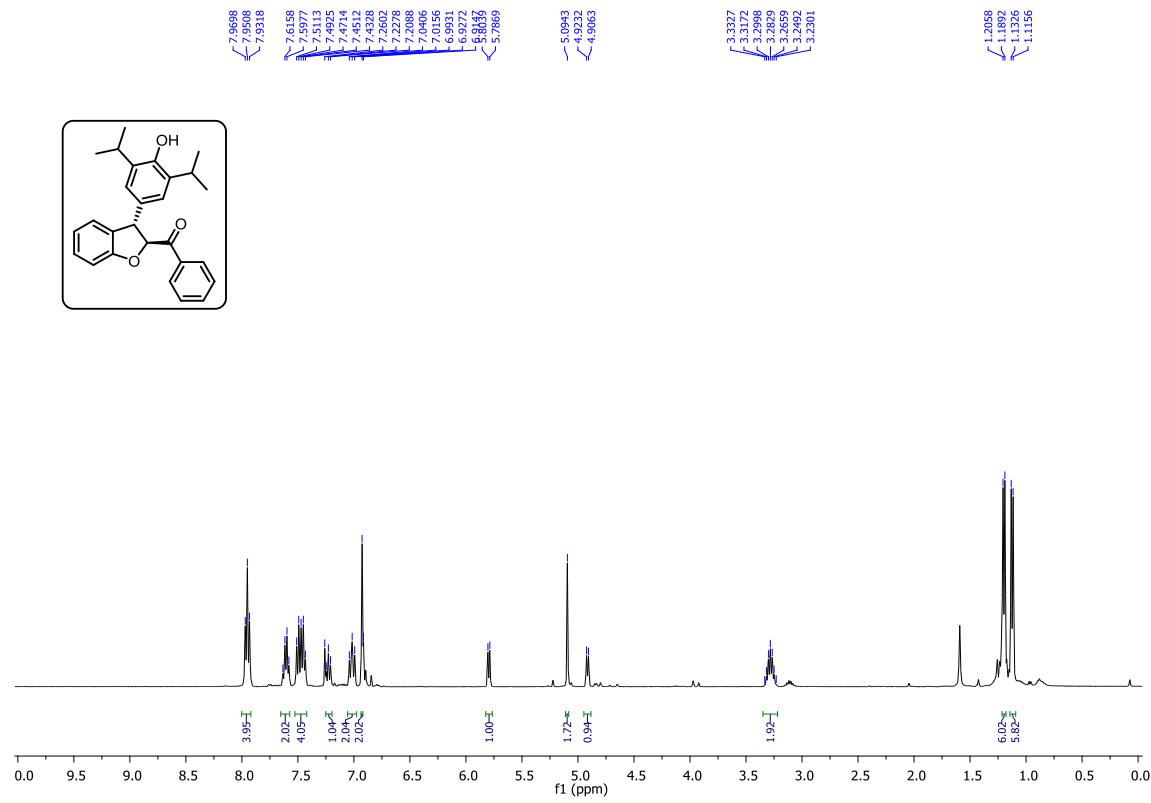
¹H NMR spectrum of **3t**



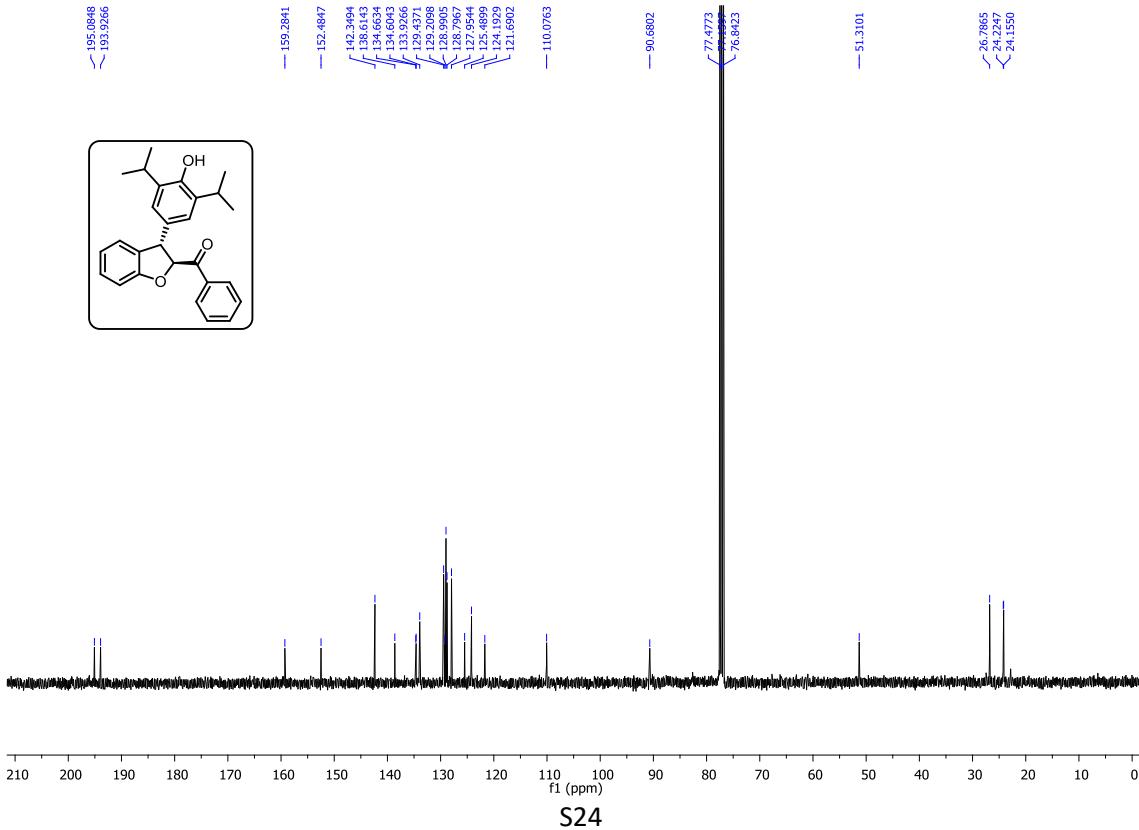
¹³C NMR spectrum of **3t**

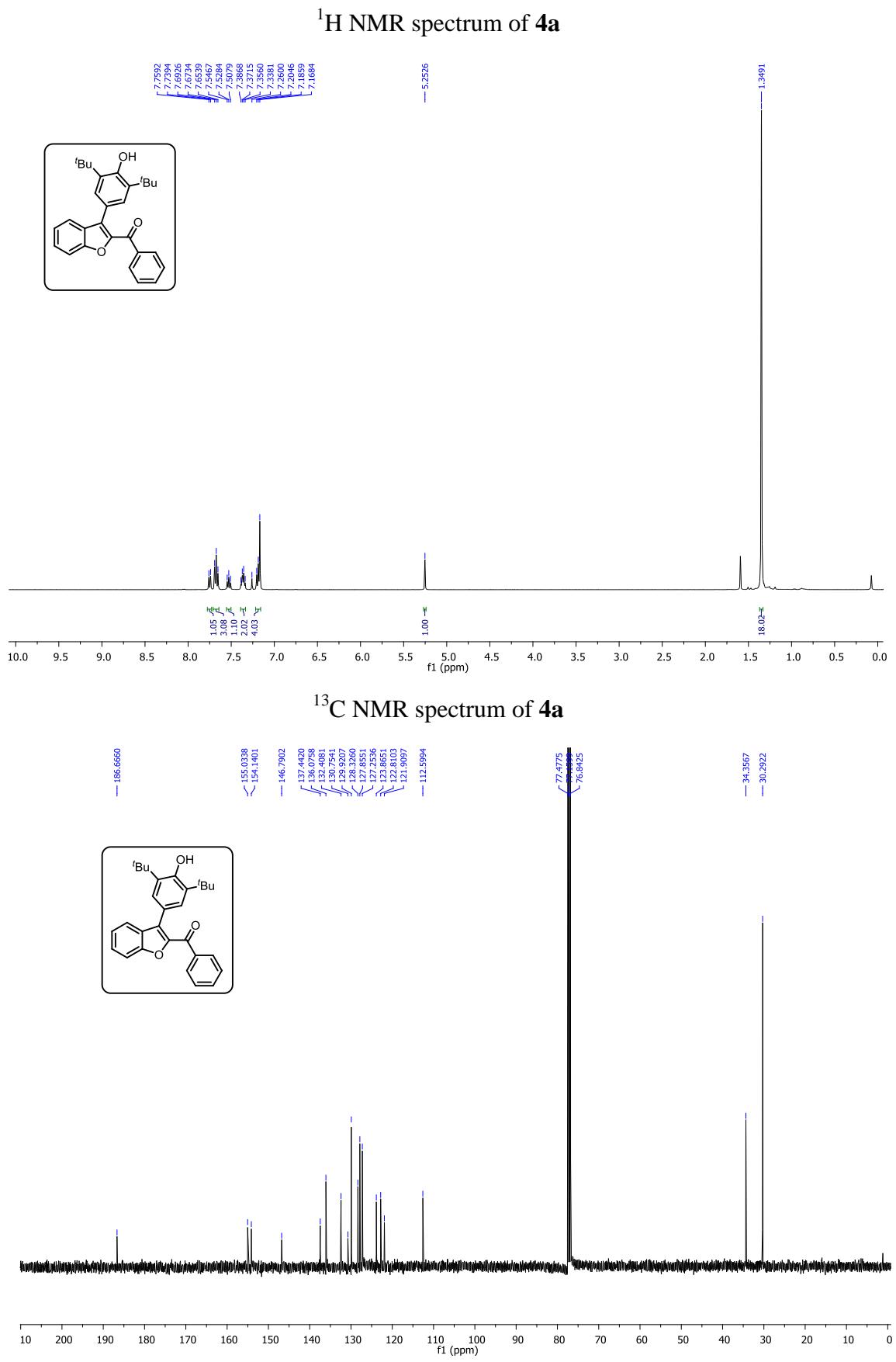


¹H NMR spectrum of **3u**

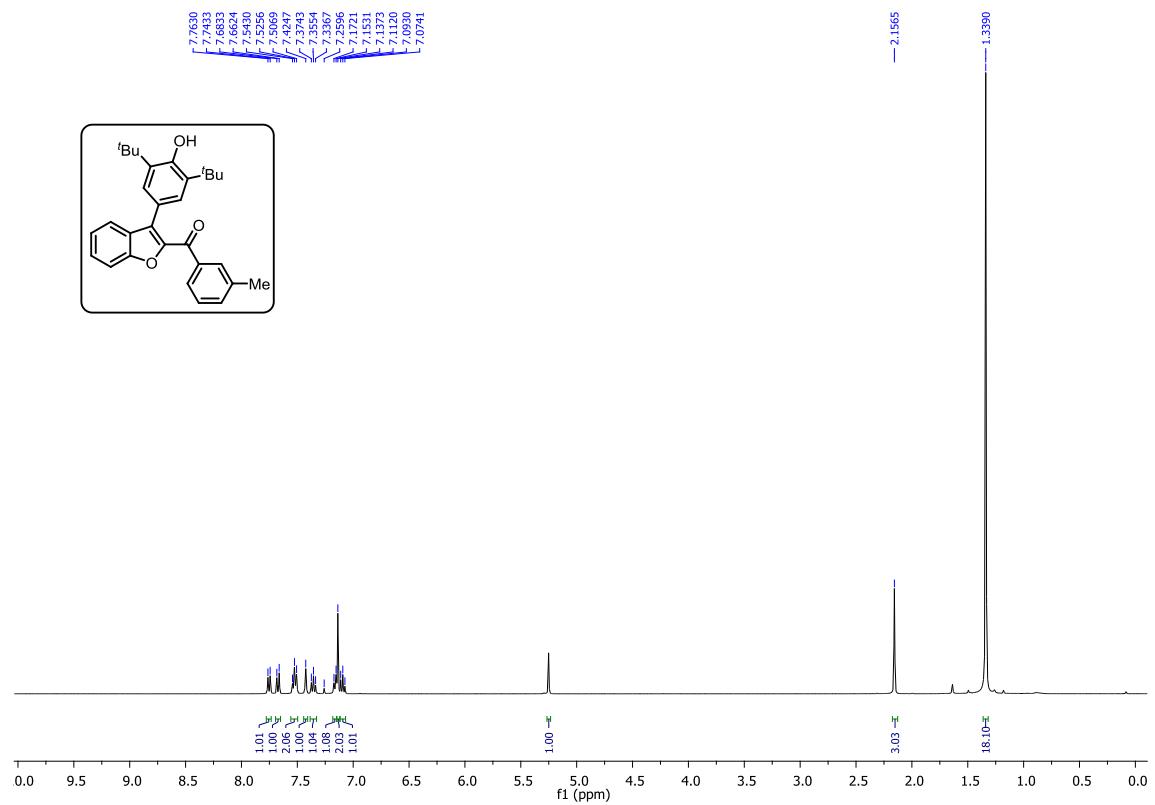


¹³C NMR spectrum of **3u**

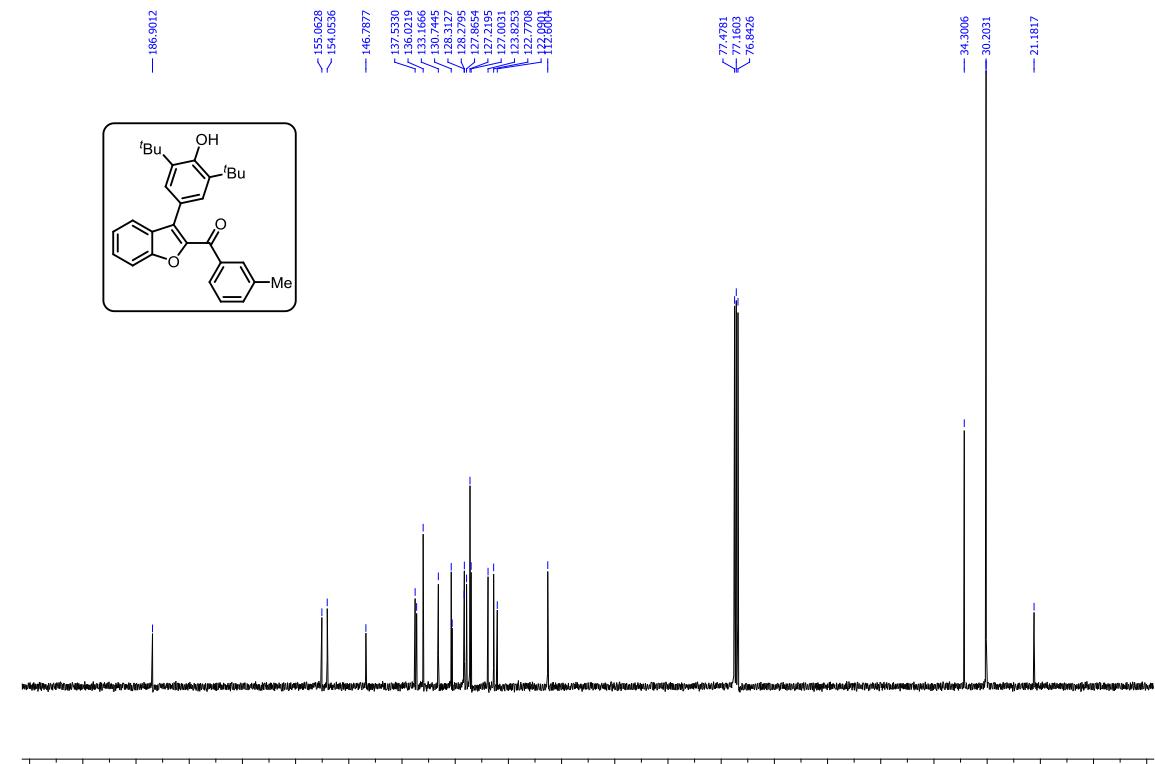




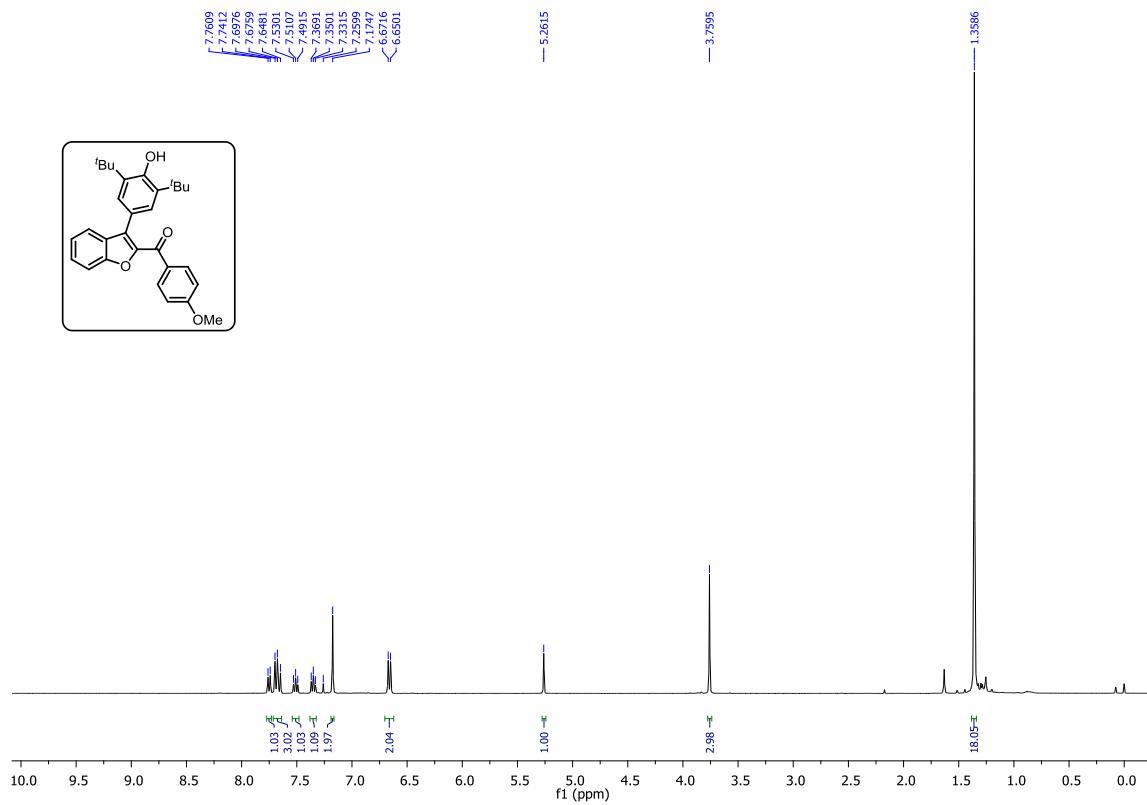
¹H NMR spectrum of **4b**



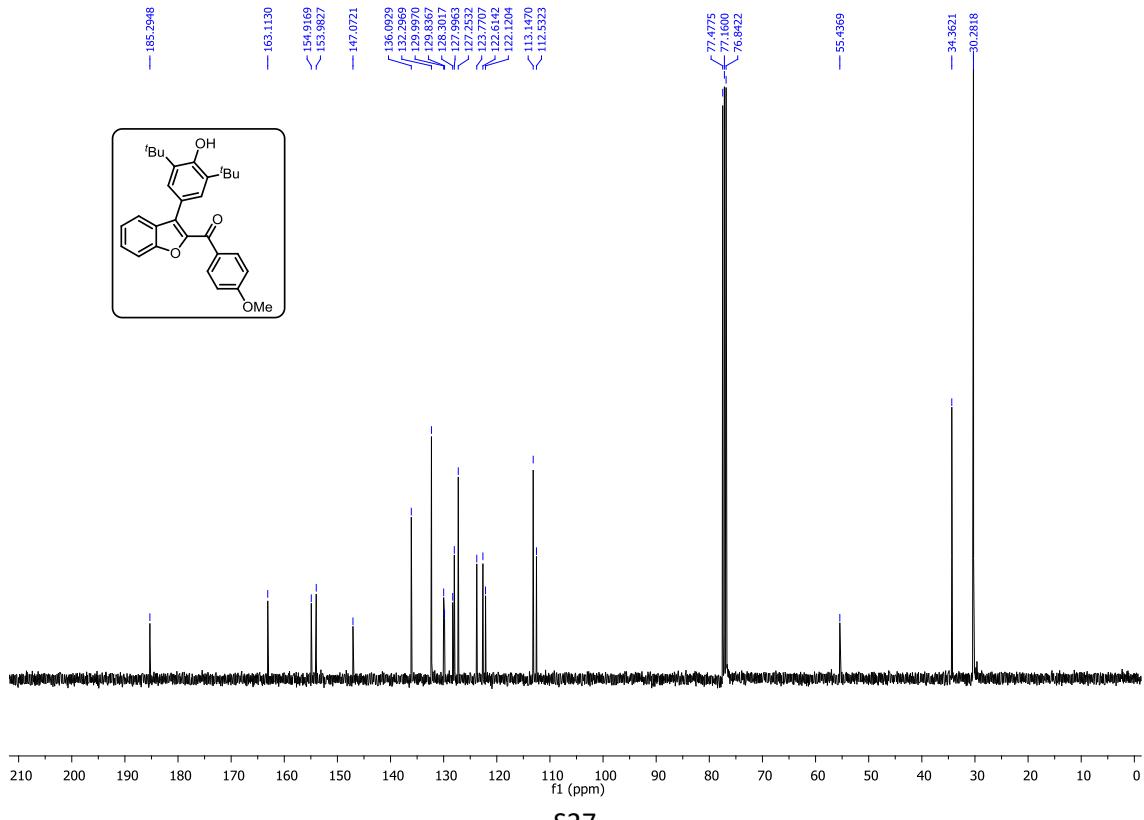
¹³C NMR spectrum of **4b**



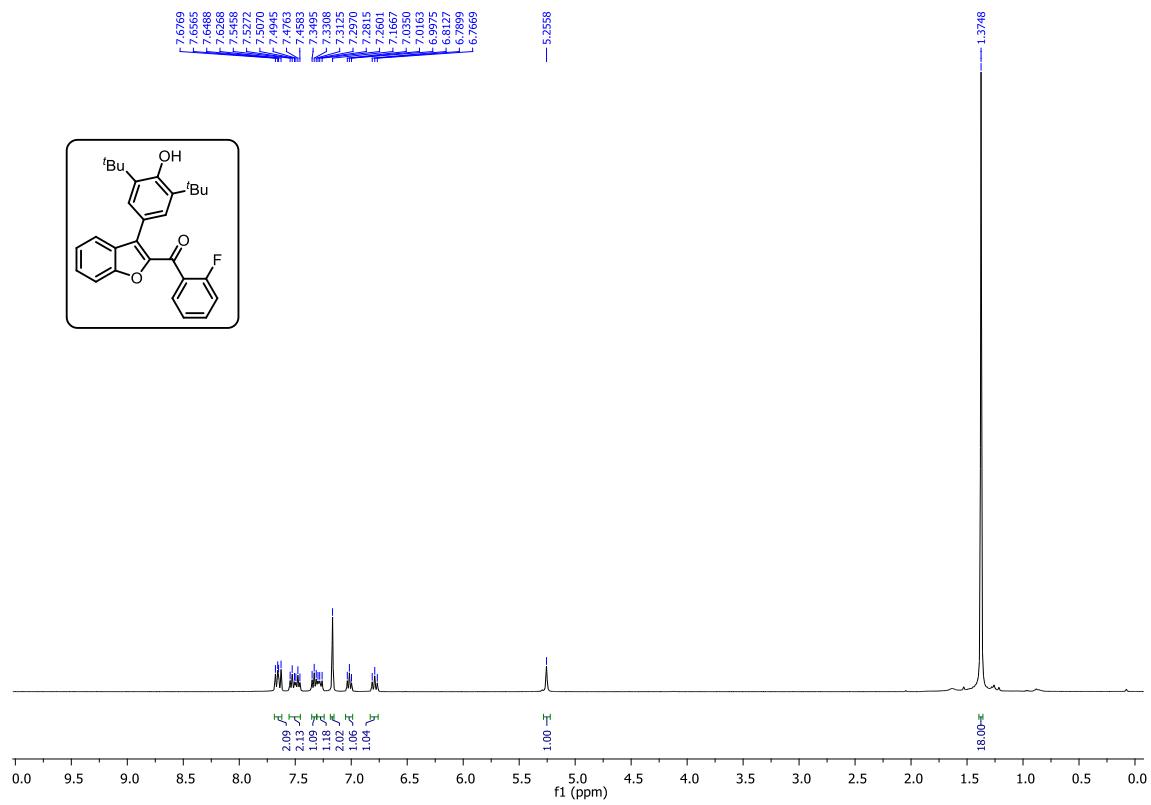
¹H NMR spectrum of **4c**



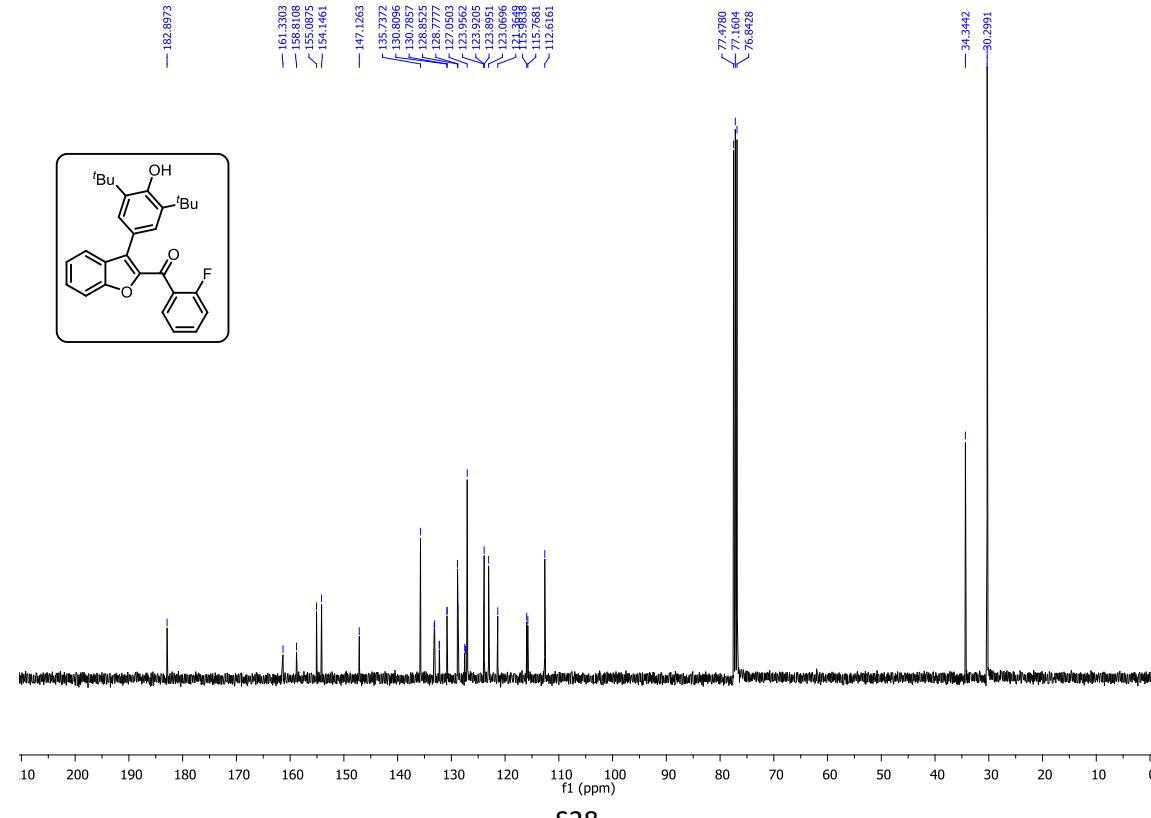
¹³C NMR spectrum of **4c**



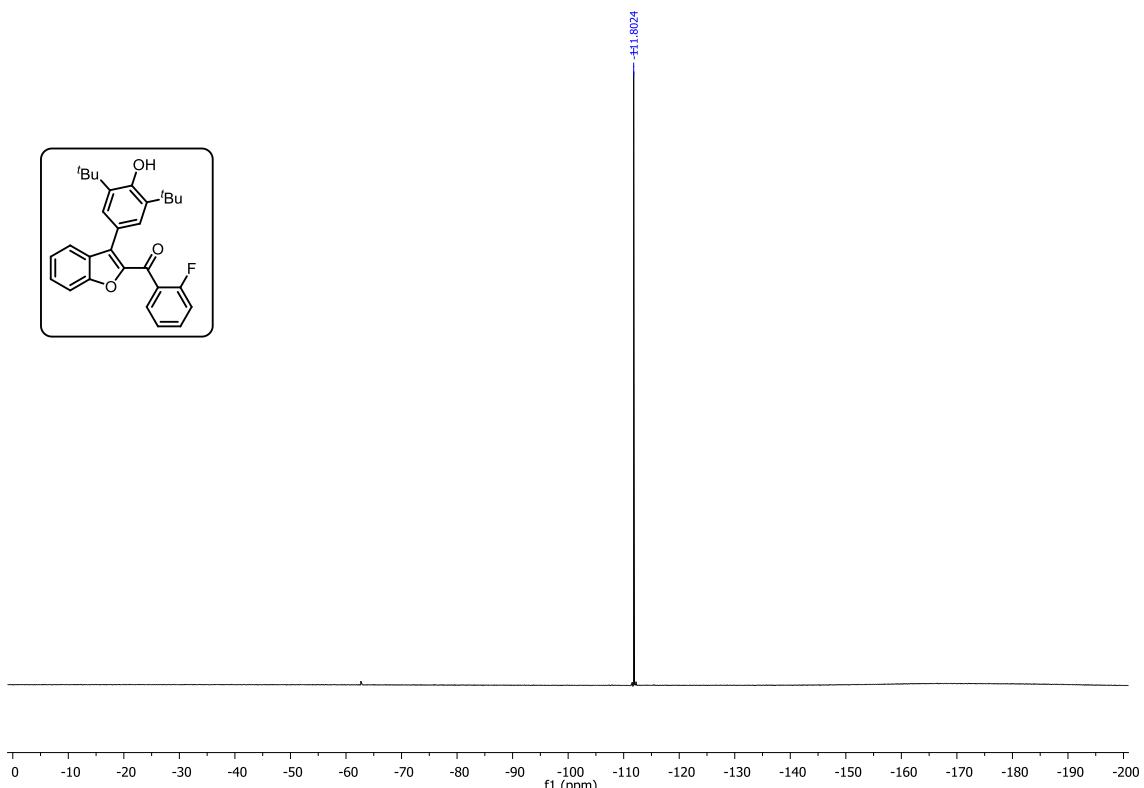
¹H NMR spectrum of **4d**



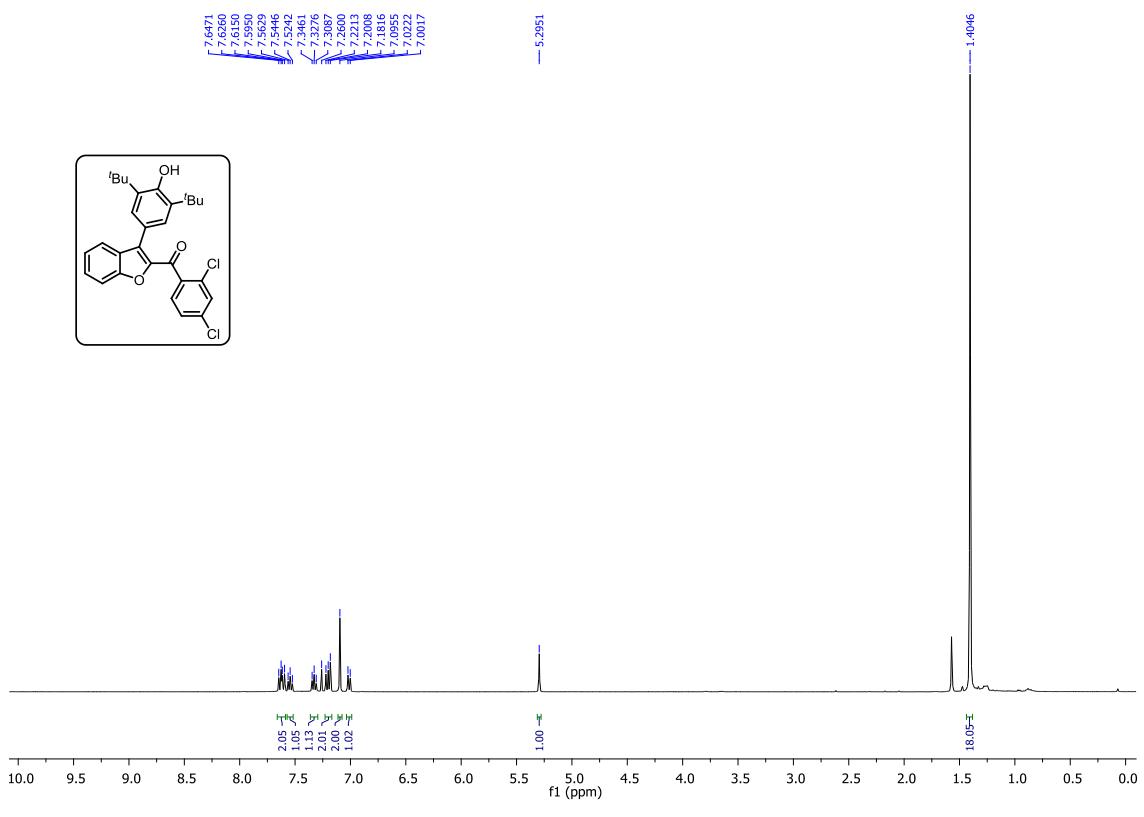
¹³C NMR spectrum of **4d**



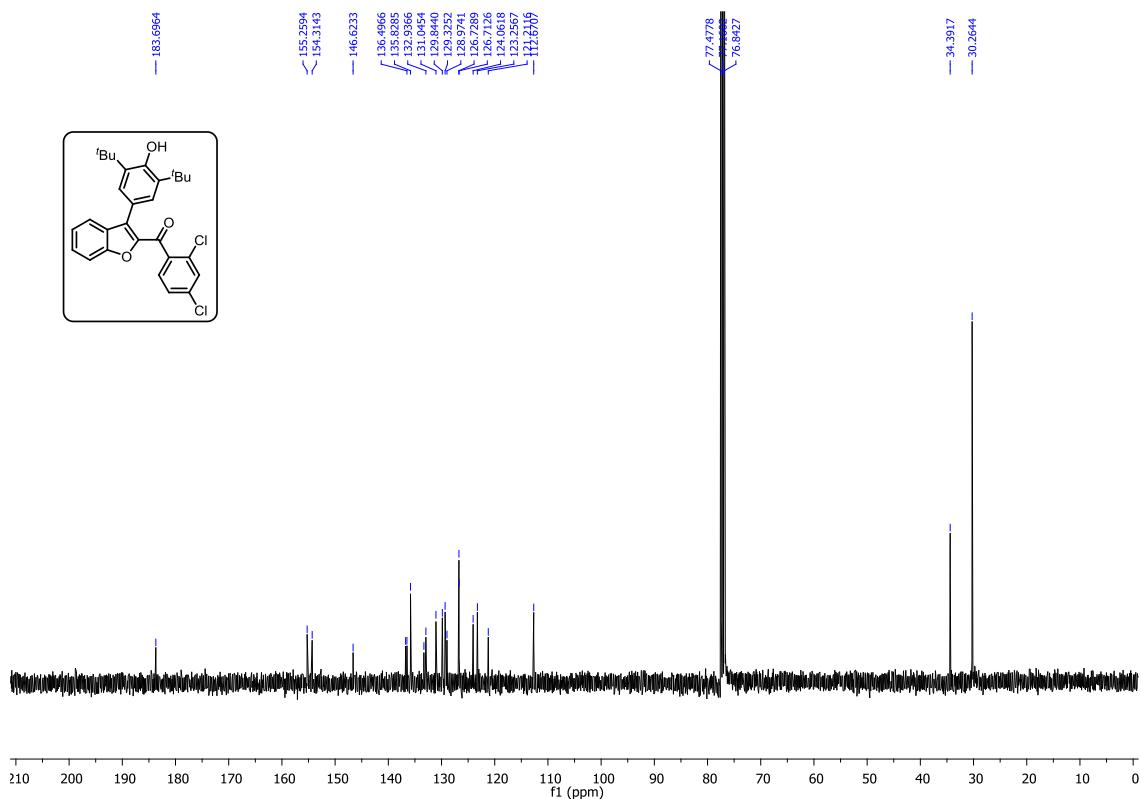
¹⁹F NMR spectrum of **4d**



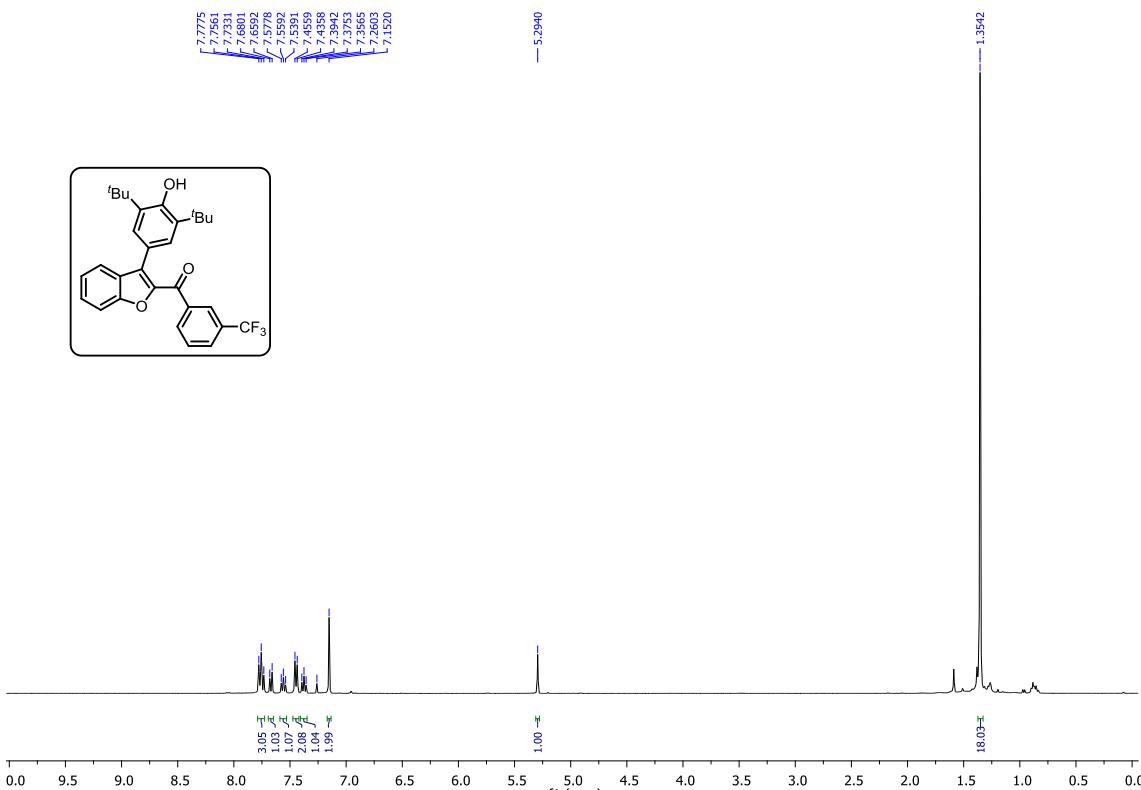
¹H NMR spectrum of **4e**



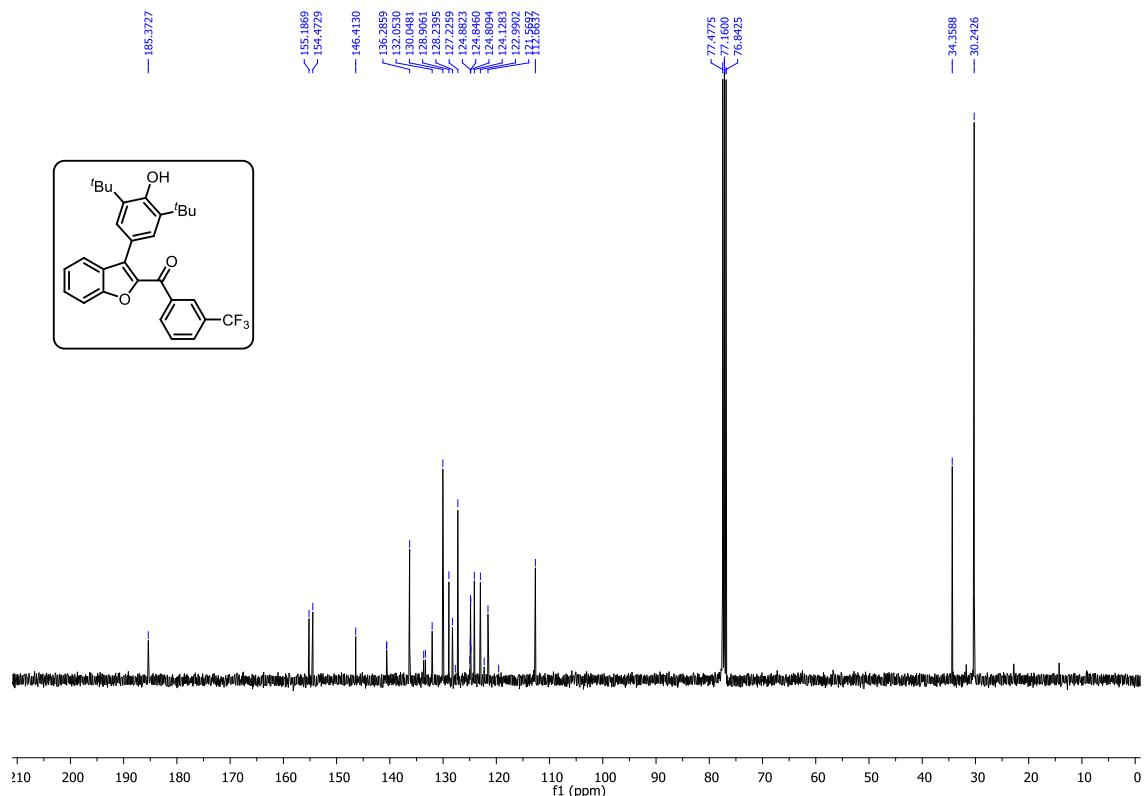
¹³C NMR spectrum of **4e**



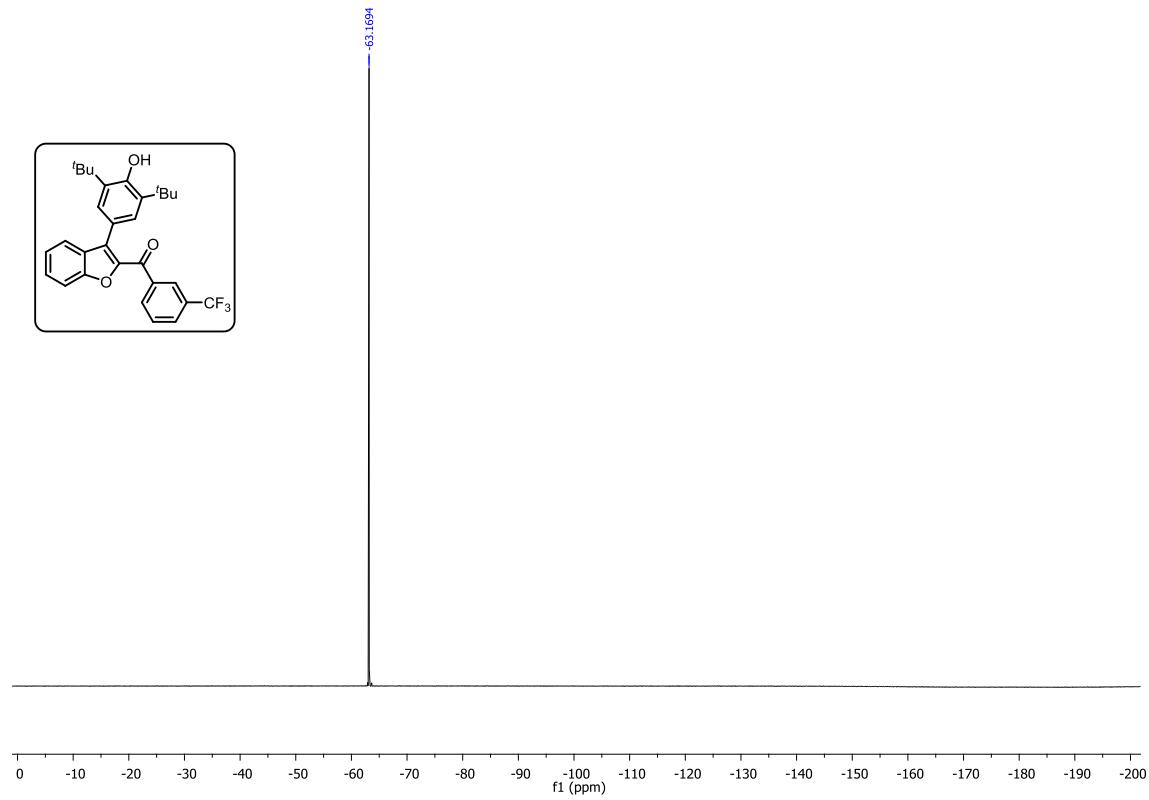
¹H NMR spectrum of **4f**



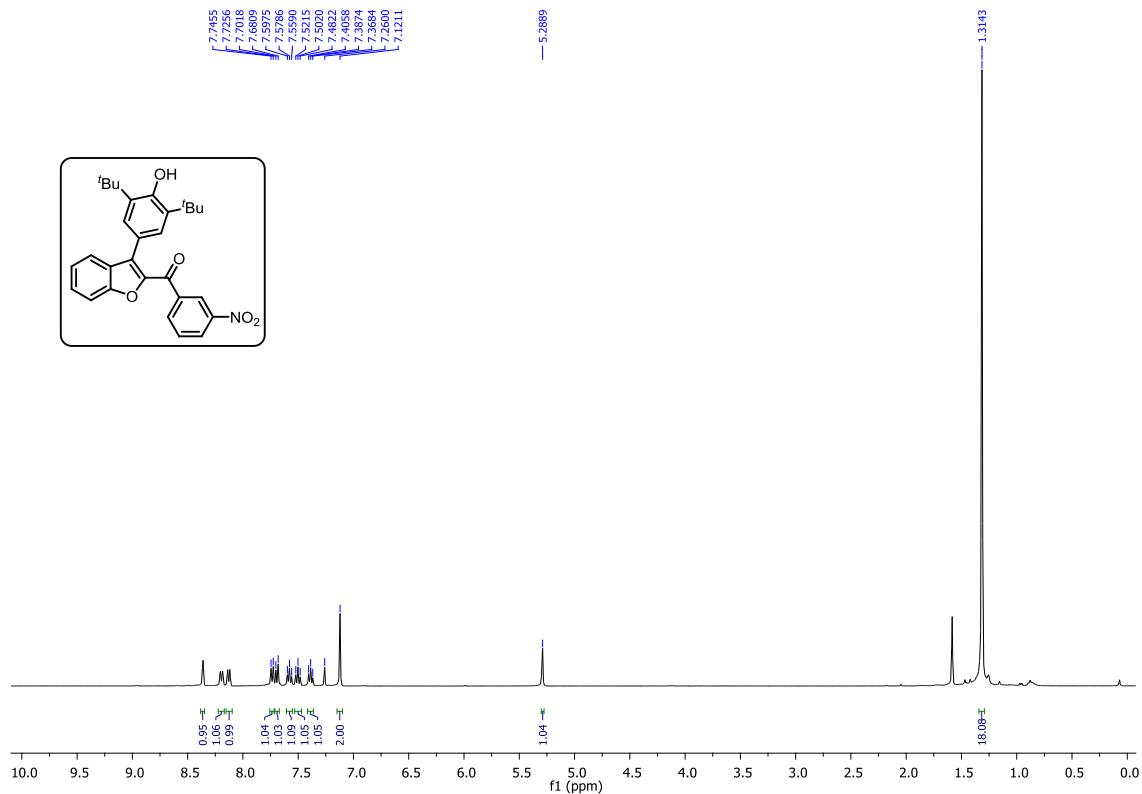
¹³C NMR spectrum of **4f**



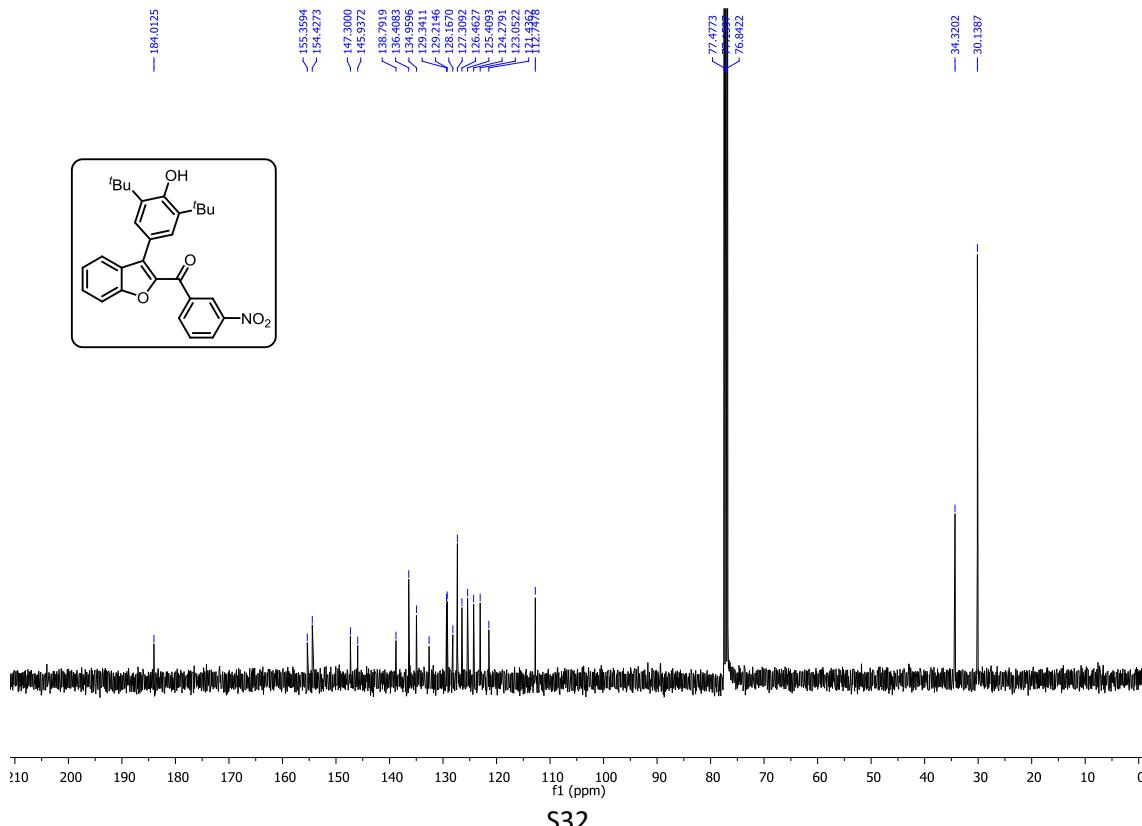
¹⁹F NMR spectrum of **4f**



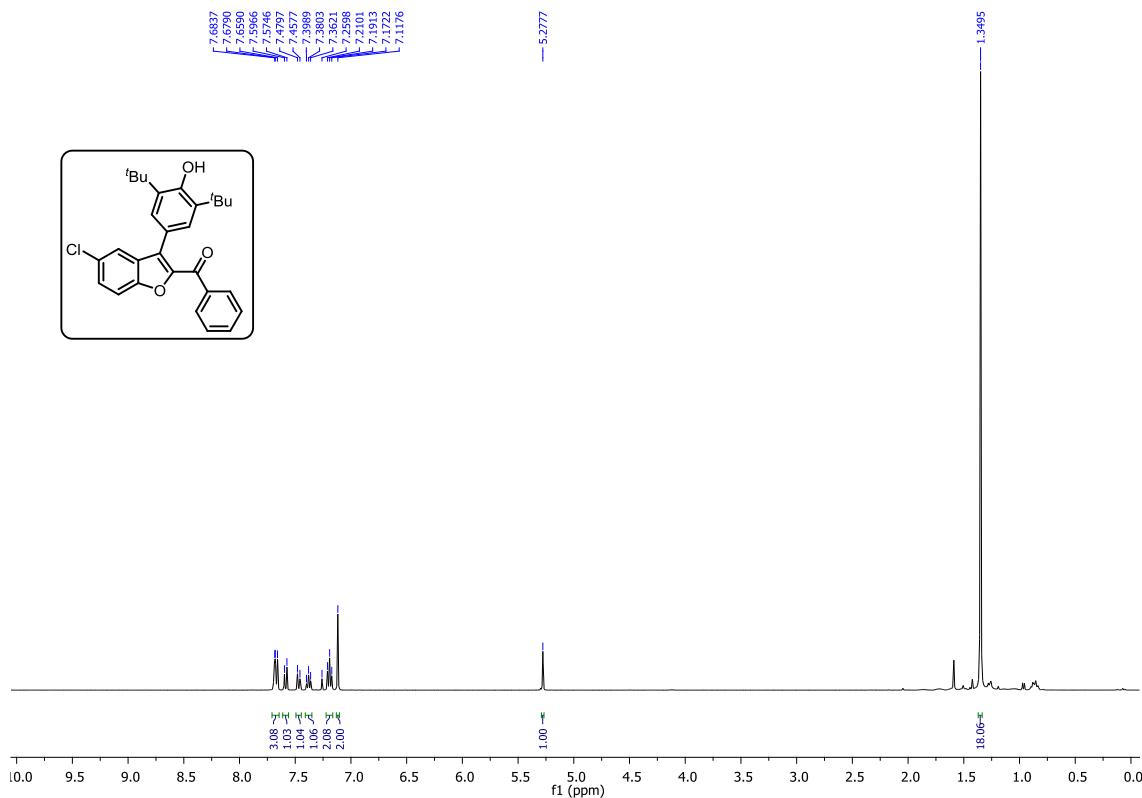
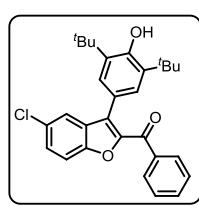
¹H NMR spectrum of **4g**



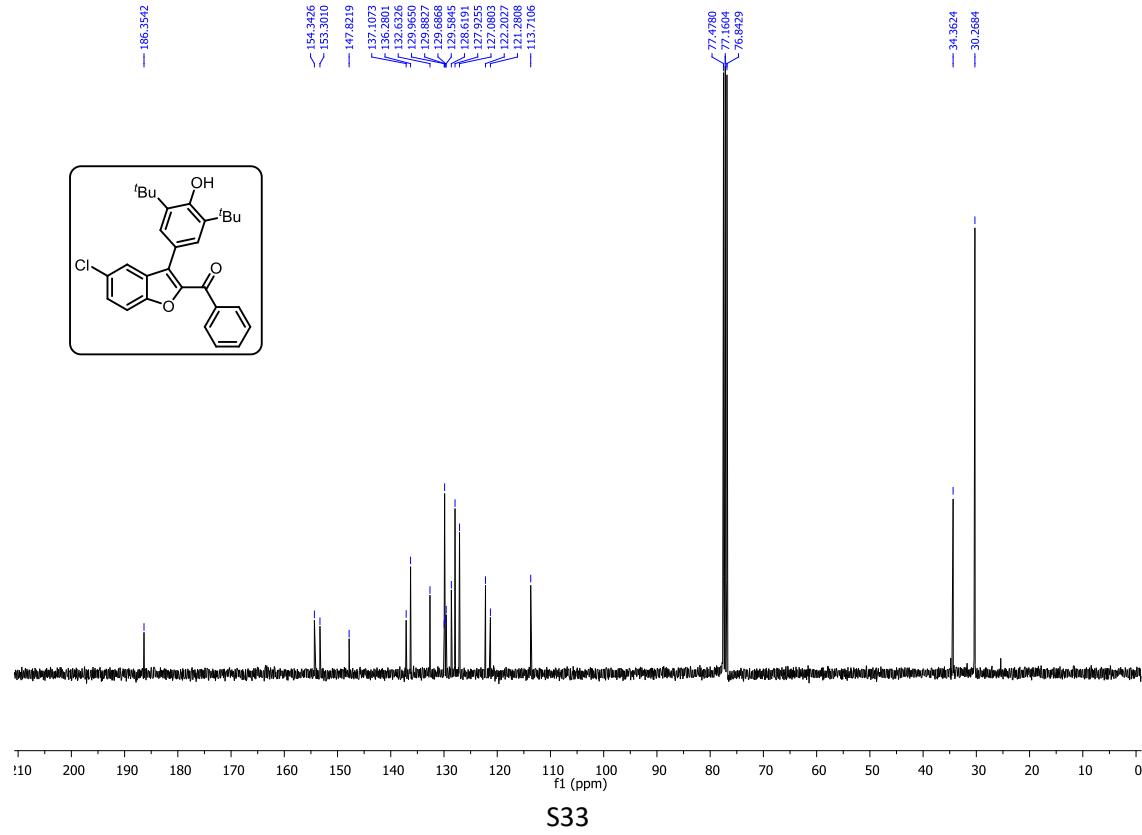
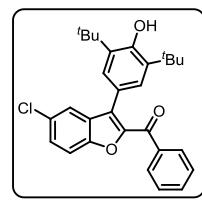
¹³C NMR spectrum of **4g**



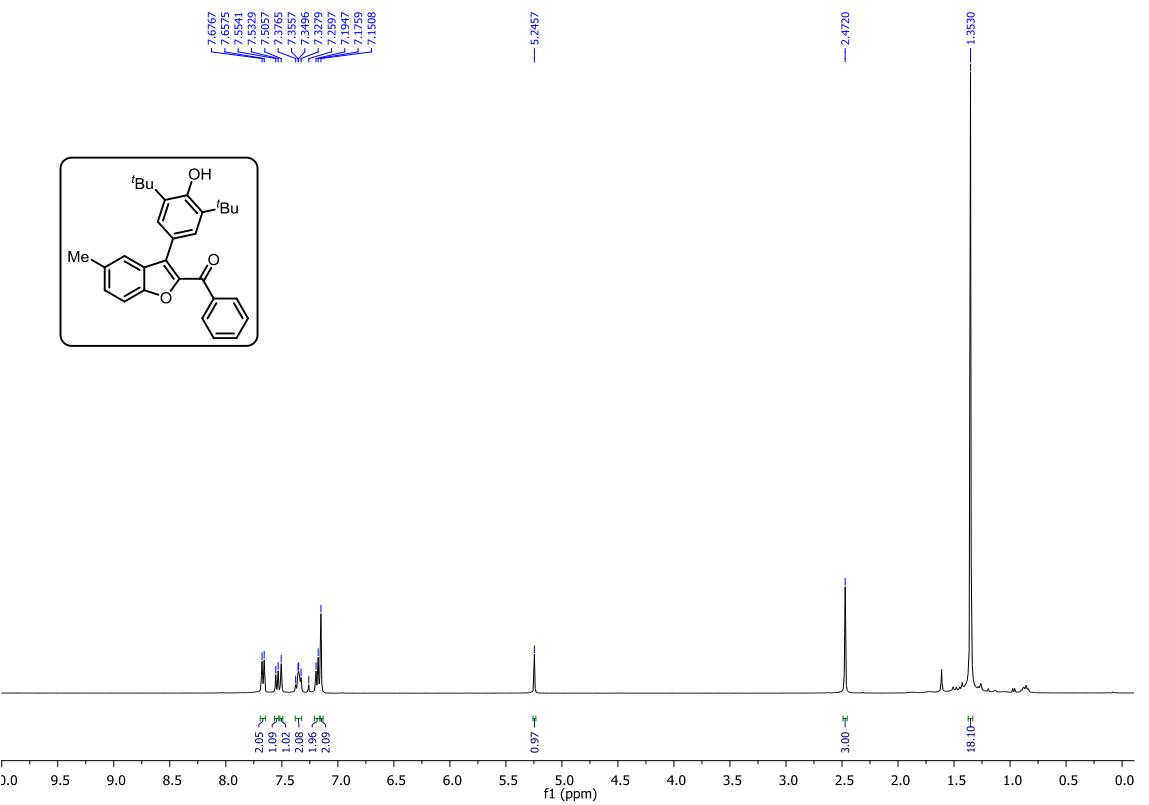
¹H NMR spectrum of **4h**



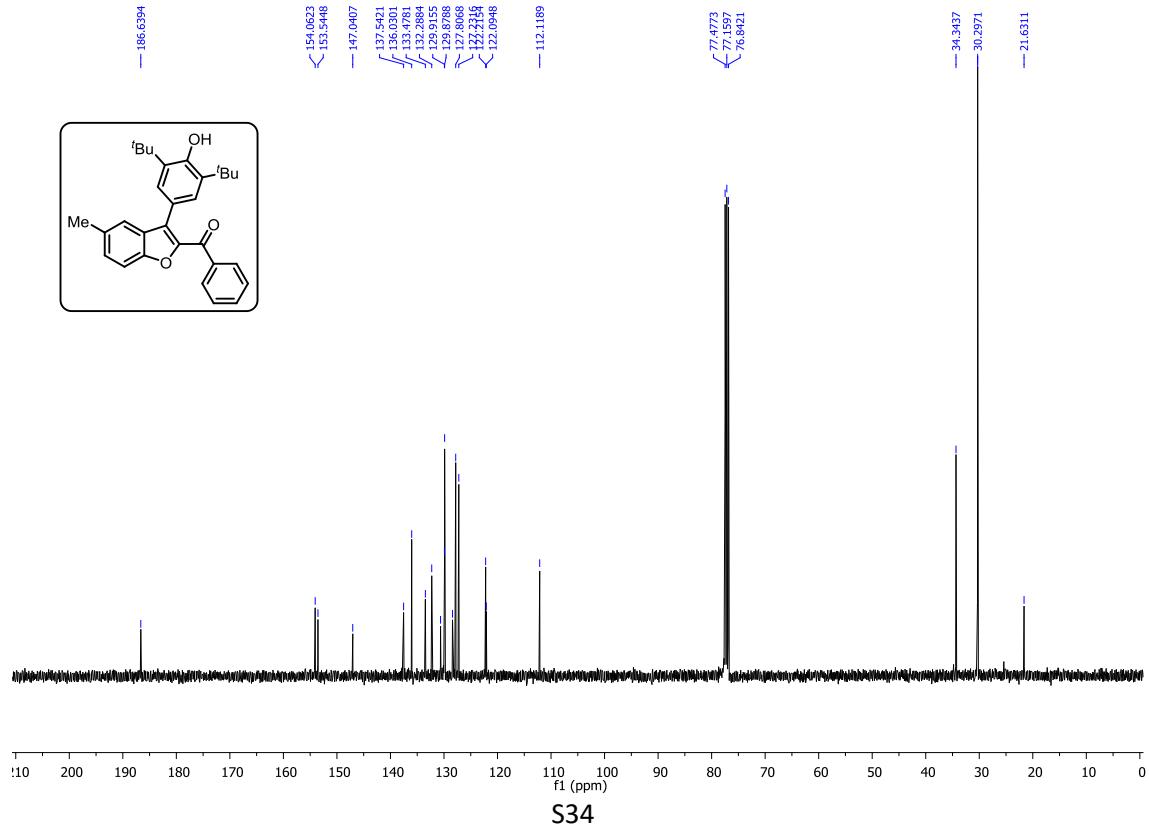
¹³C NMR spectrum of **4h**



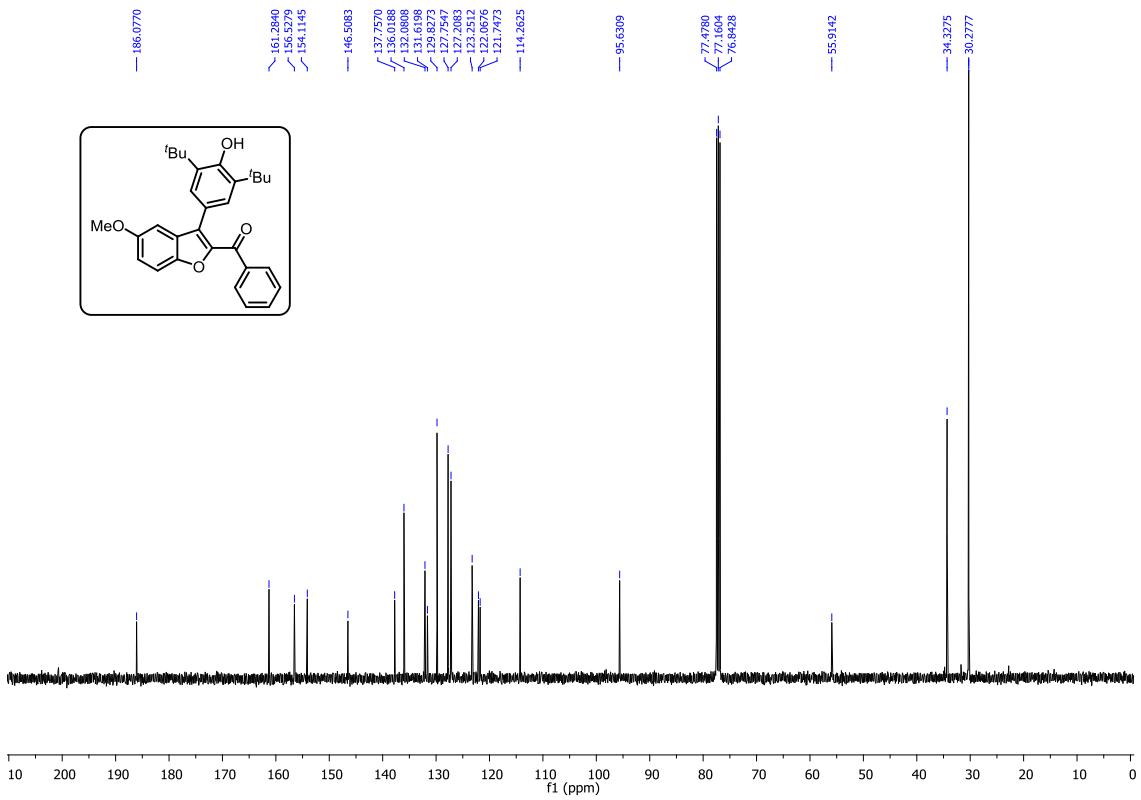
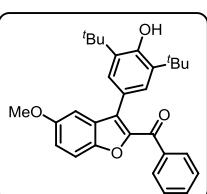
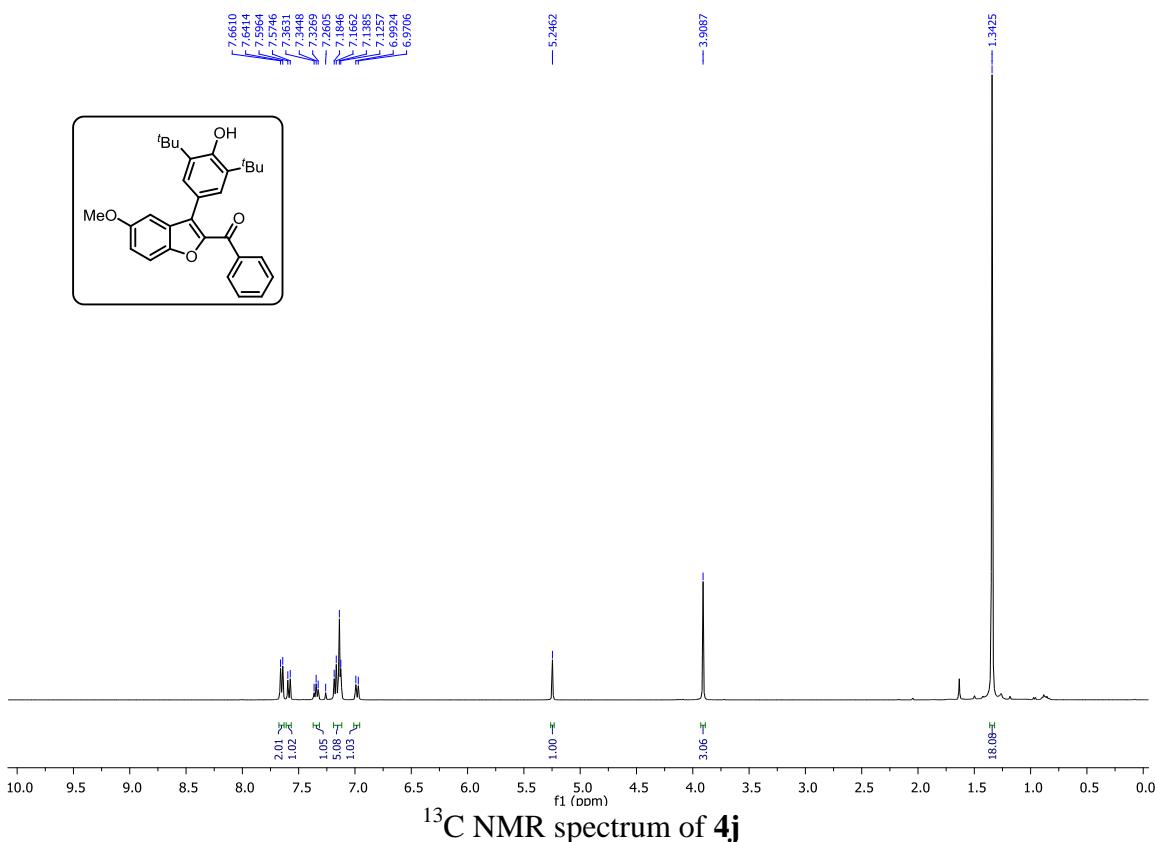
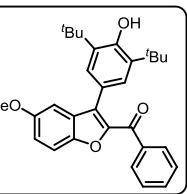
¹H NMR spectrum of **4i**



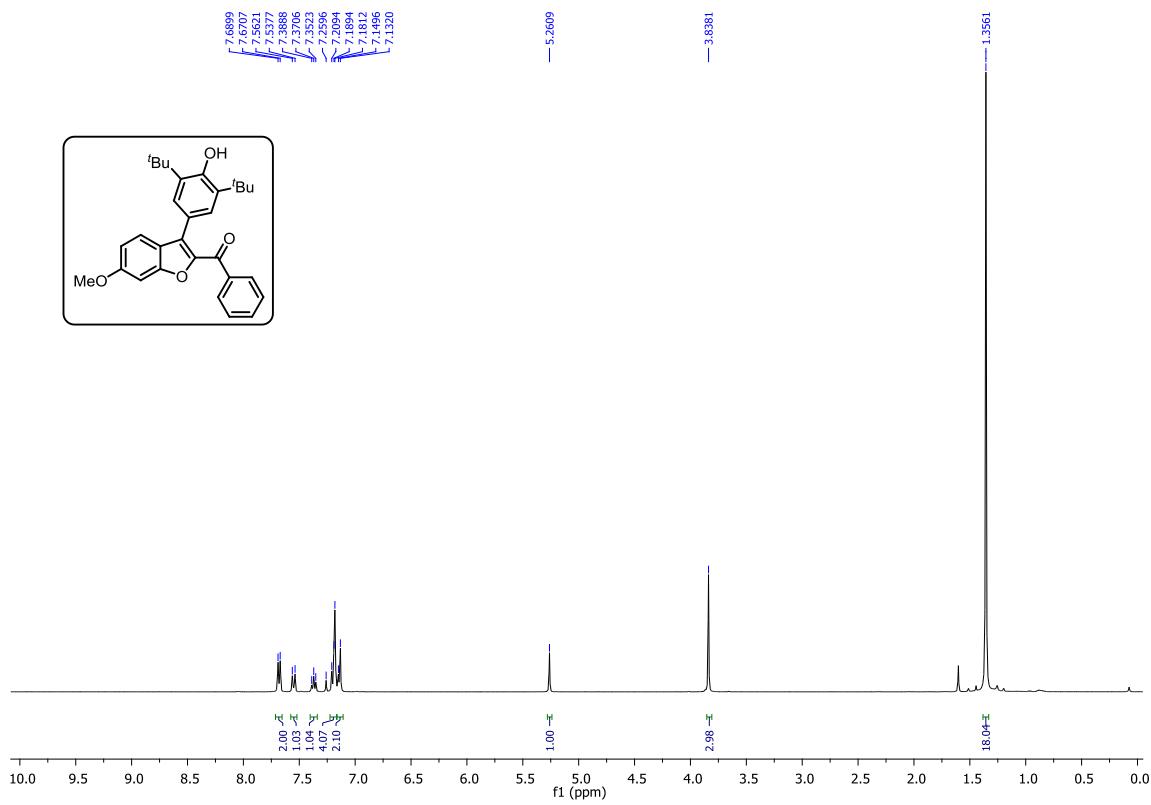
¹³C NMR spectrum of **4i**



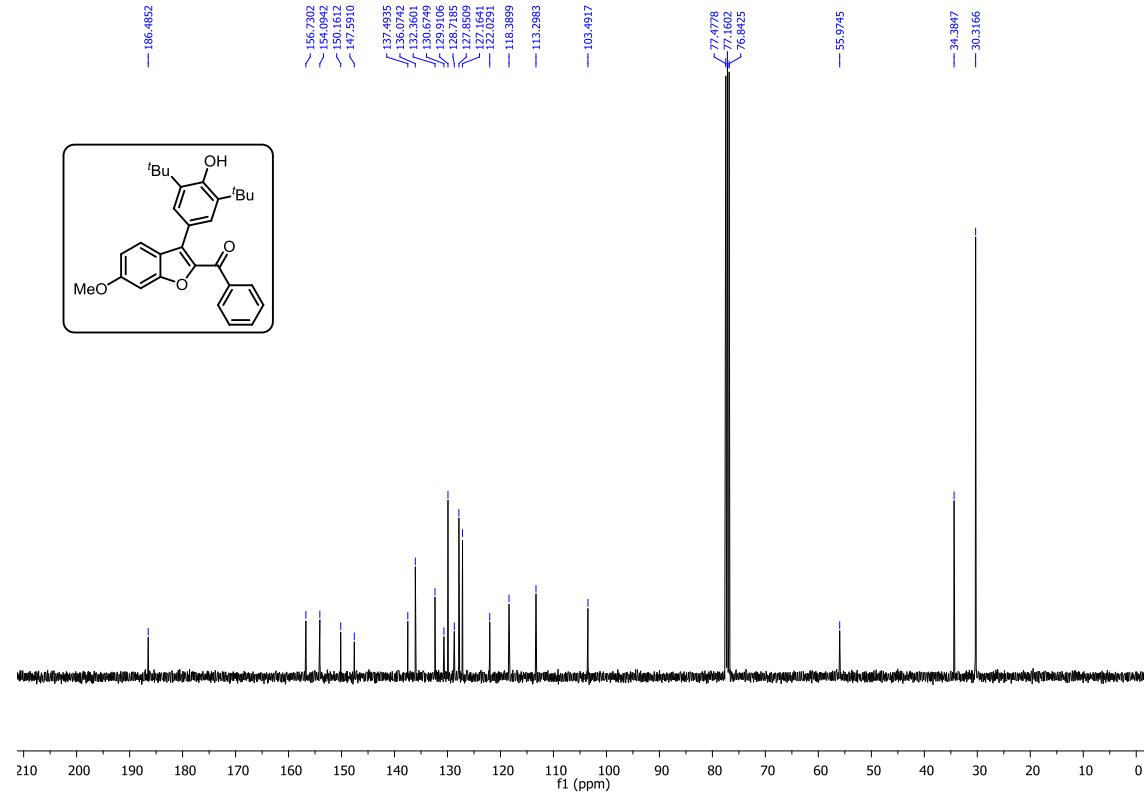
¹H NMR spectrum of **4j**



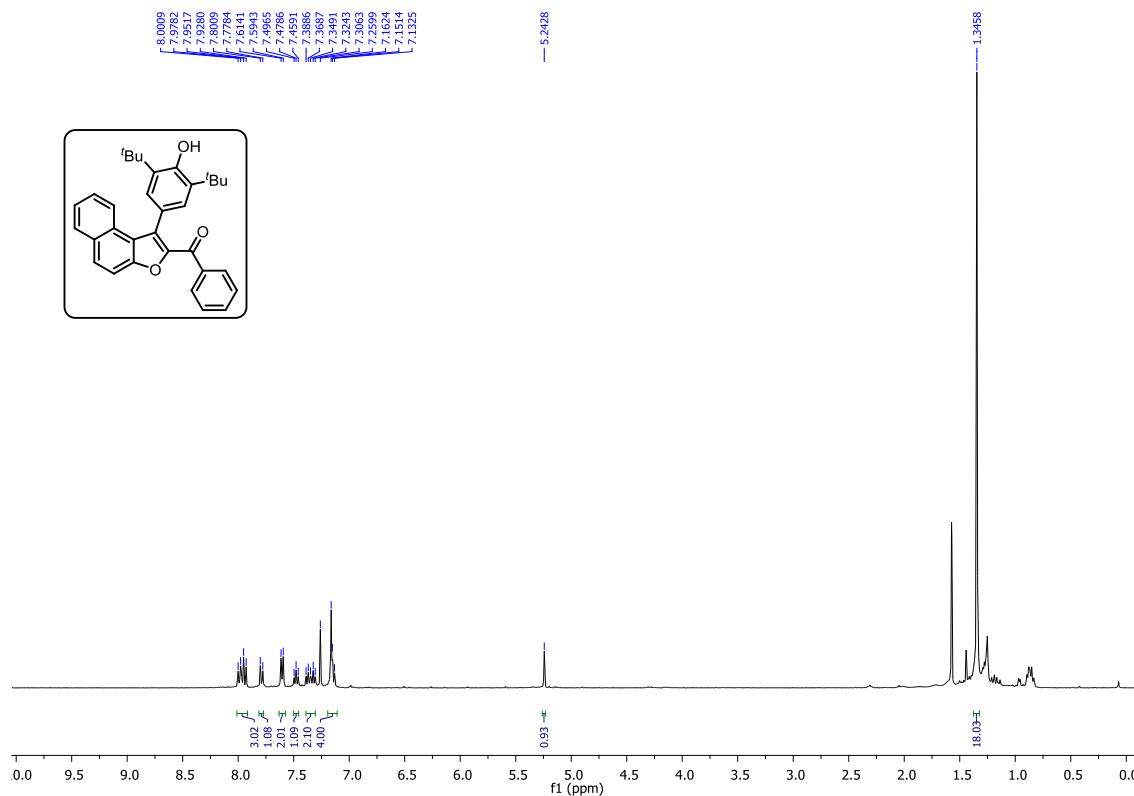
¹H NMR spectrum of **4k**



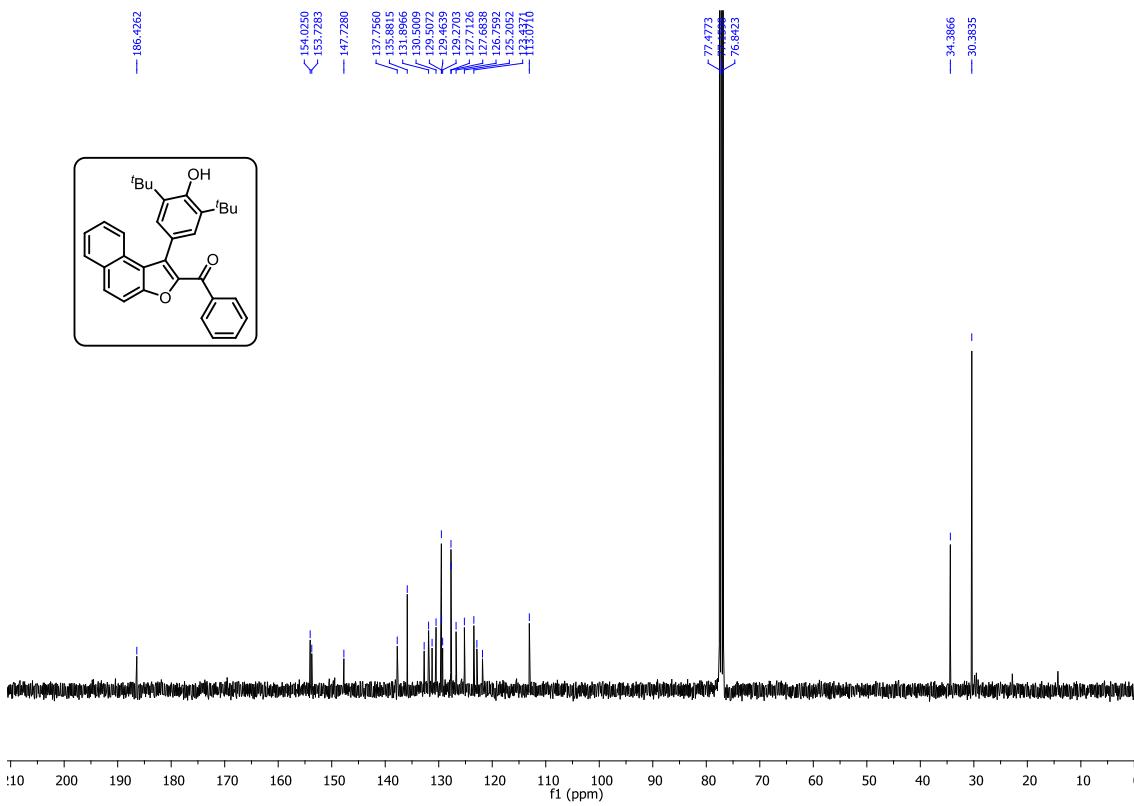
¹³C NMR spectrum of **4k**



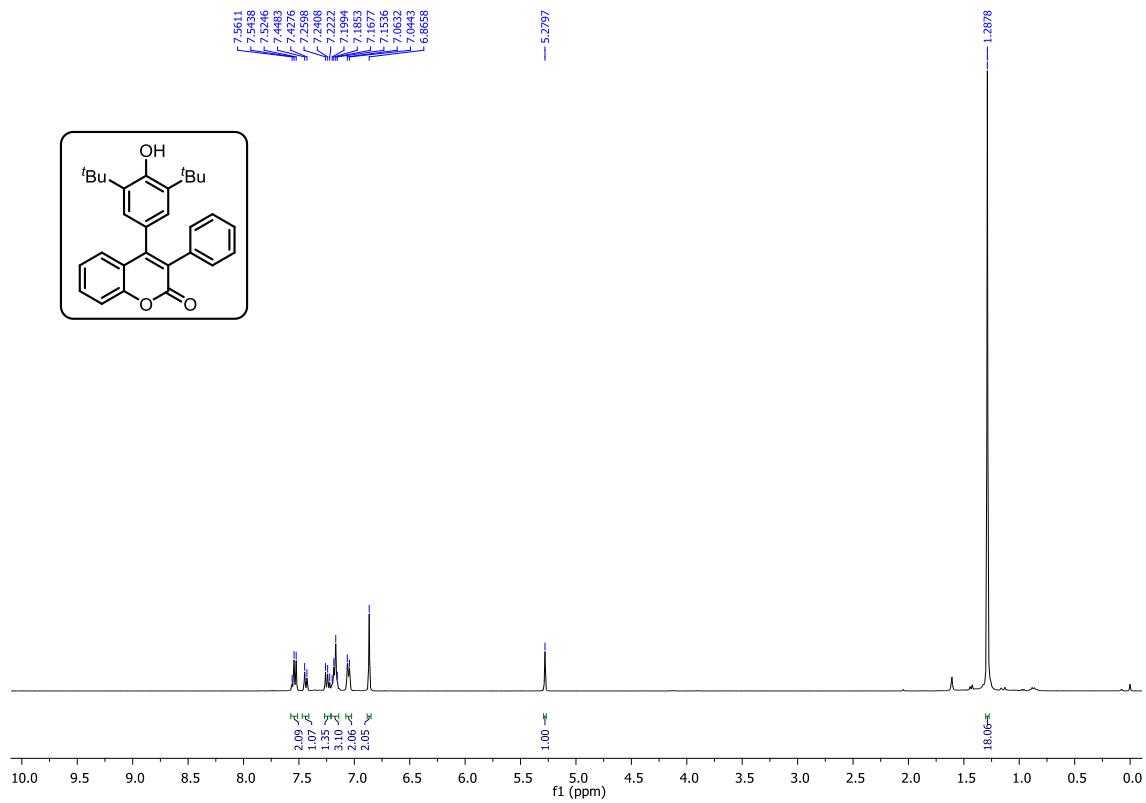
¹H NMR spectrum of **4l**



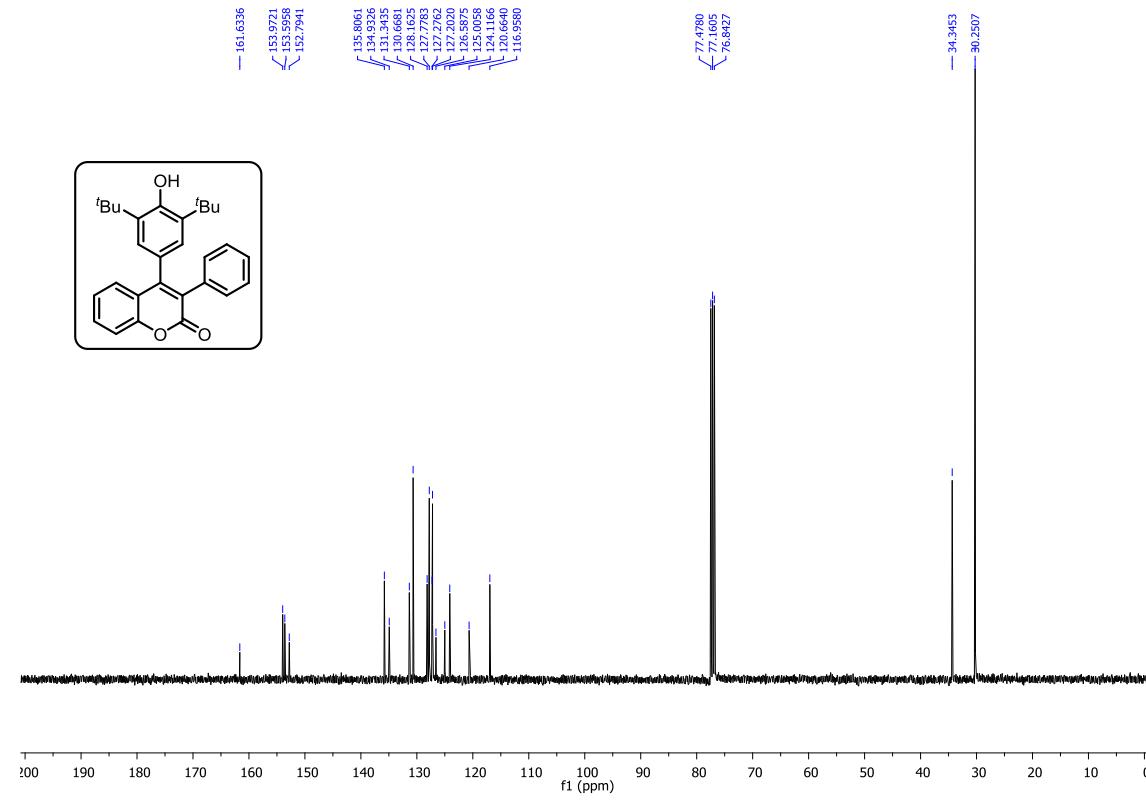
¹³C NMR spectrum of **4l**



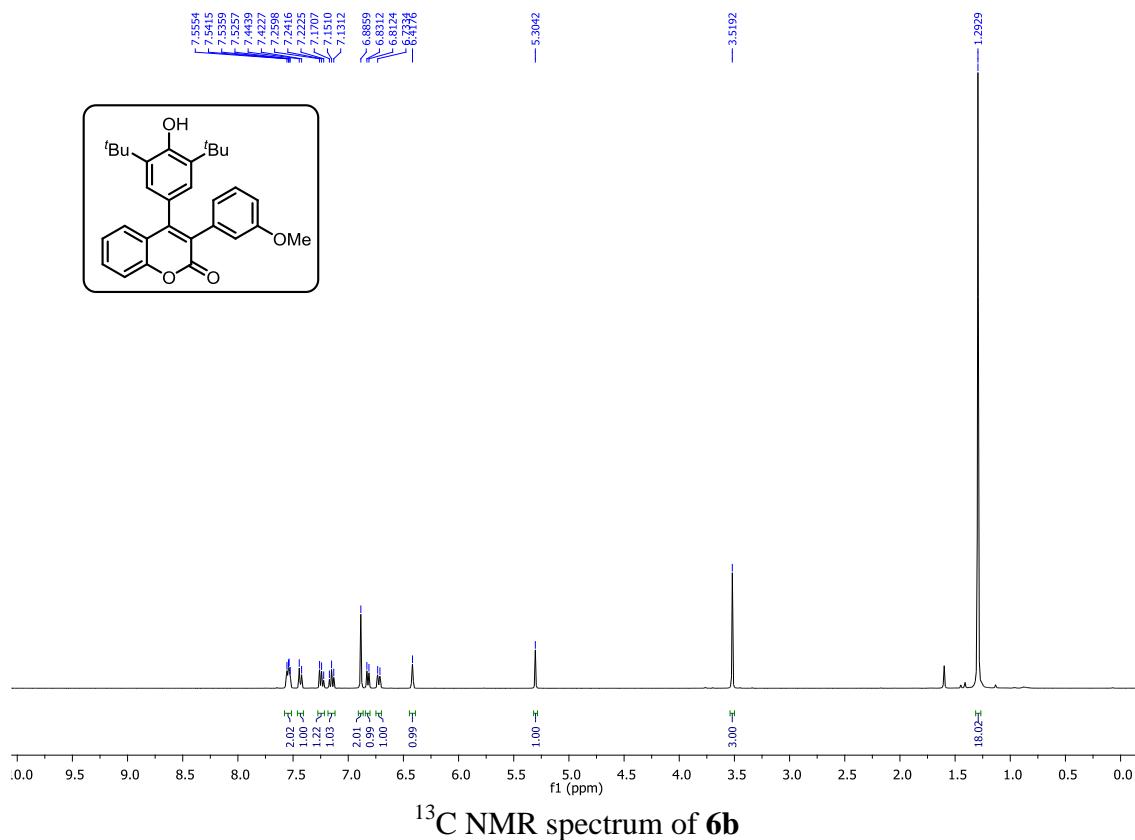
¹H NMR spectrum of **6a**



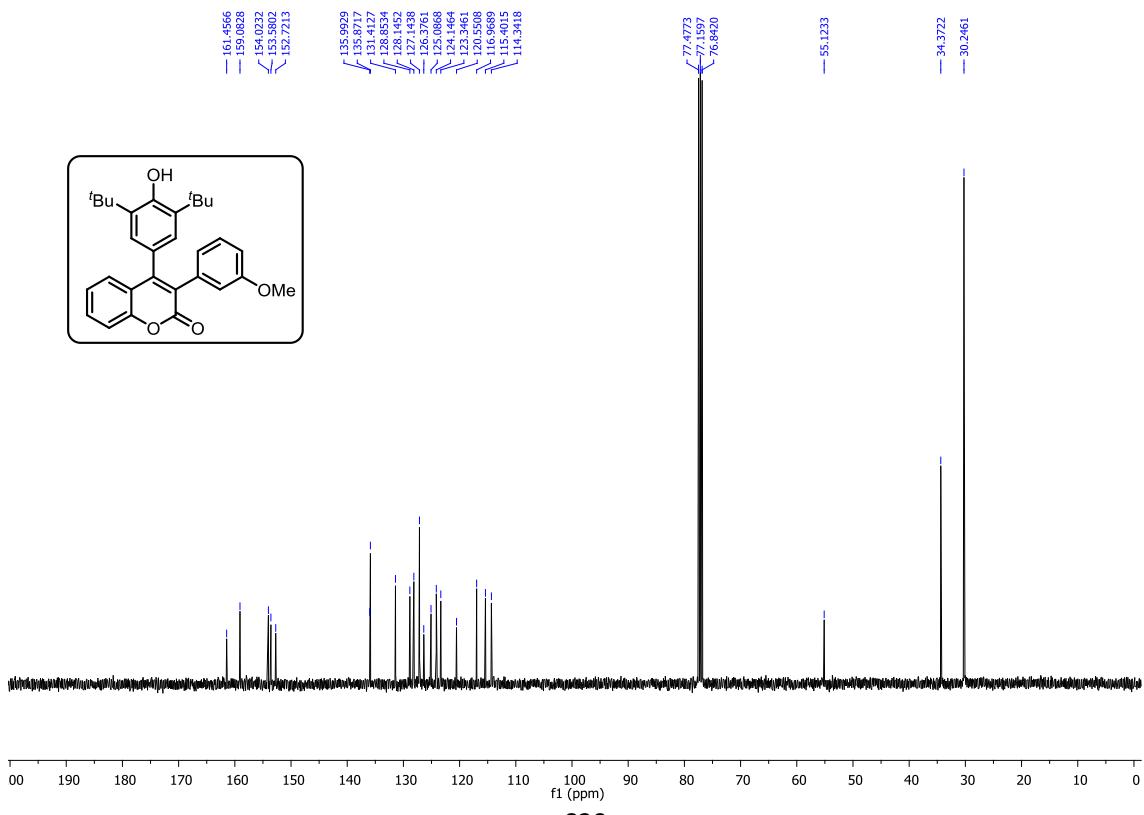
¹³C NMR spectrum of **6a**



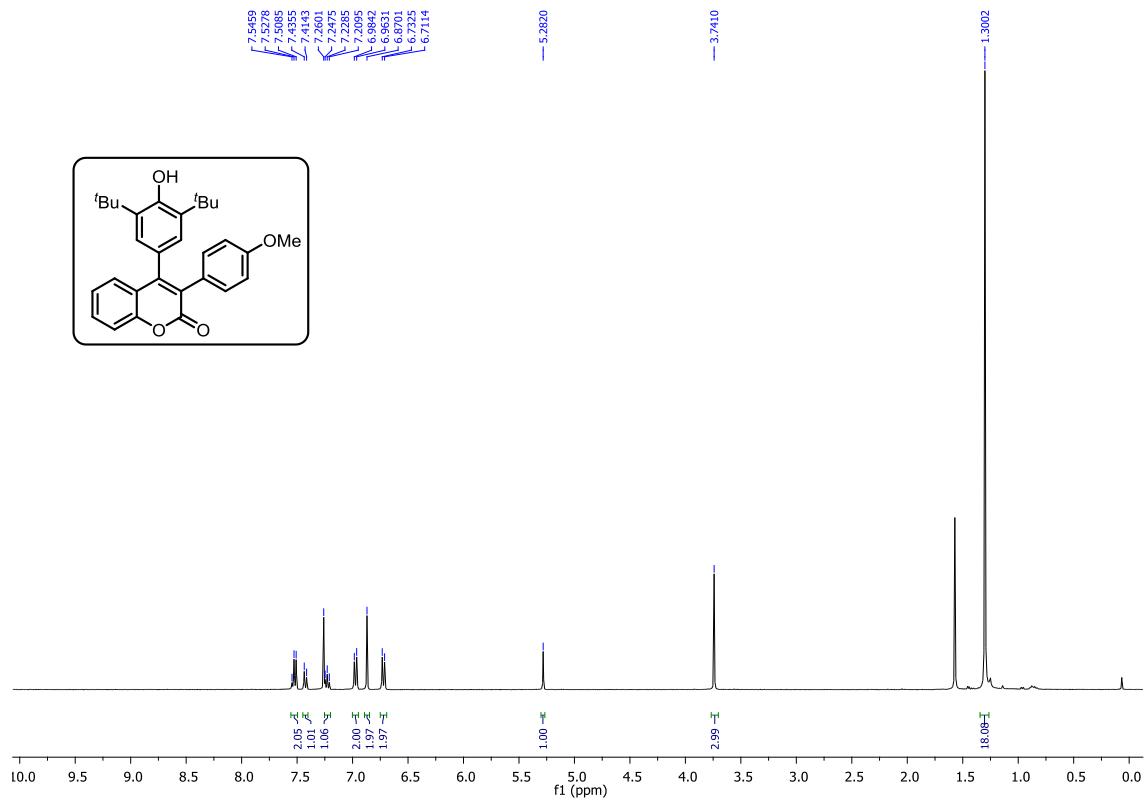
¹H NMR spectrum of **6b**



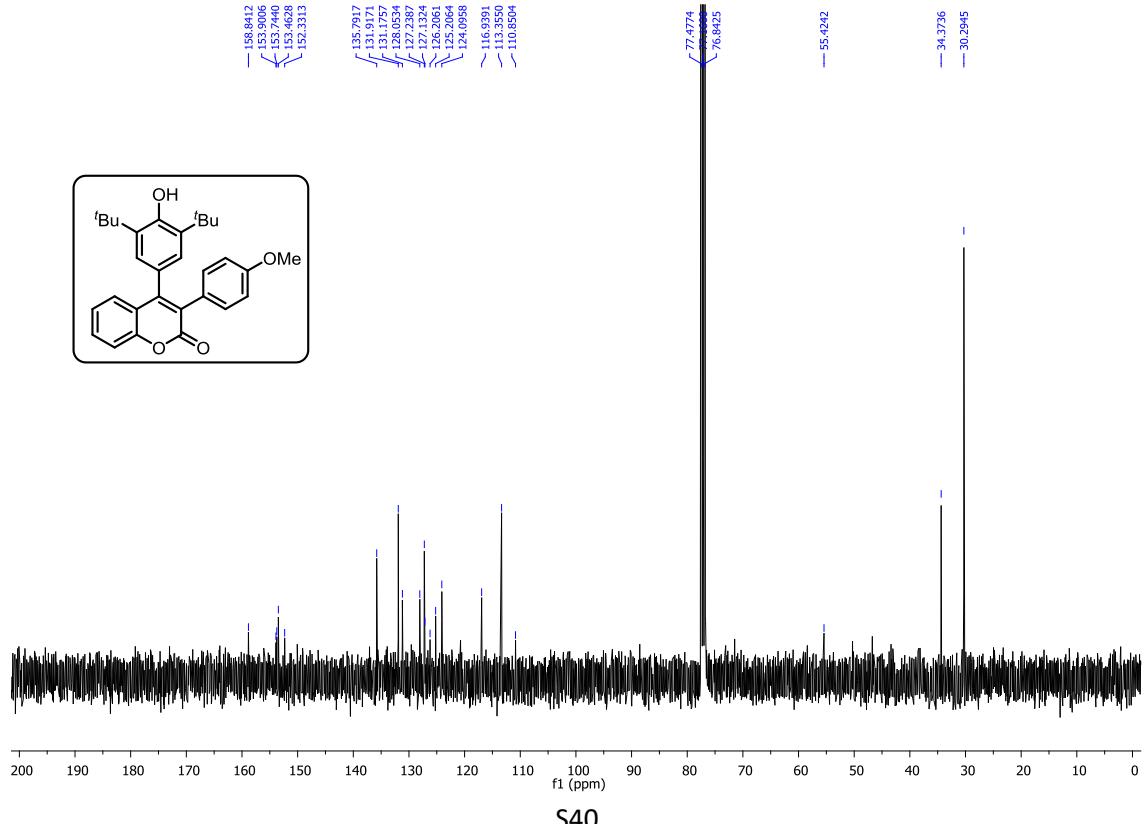
¹³C NMR spectrum of **6b**



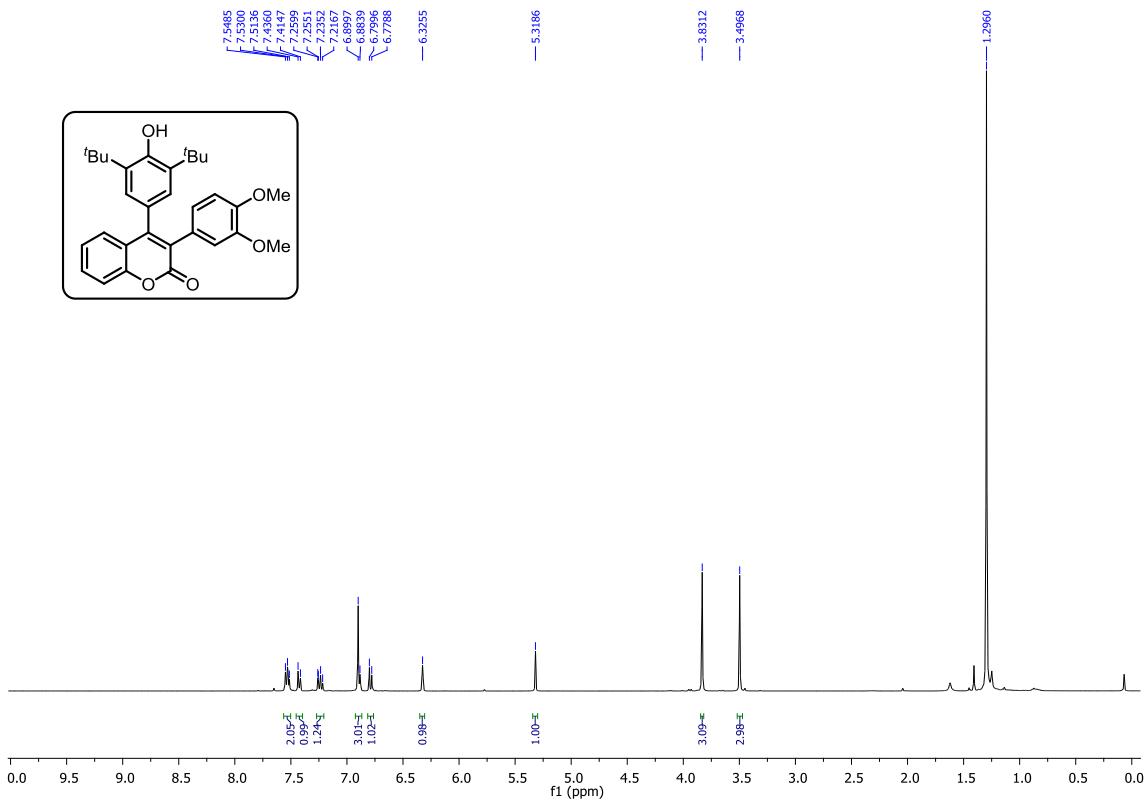
¹H NMR spectrum of **6c**



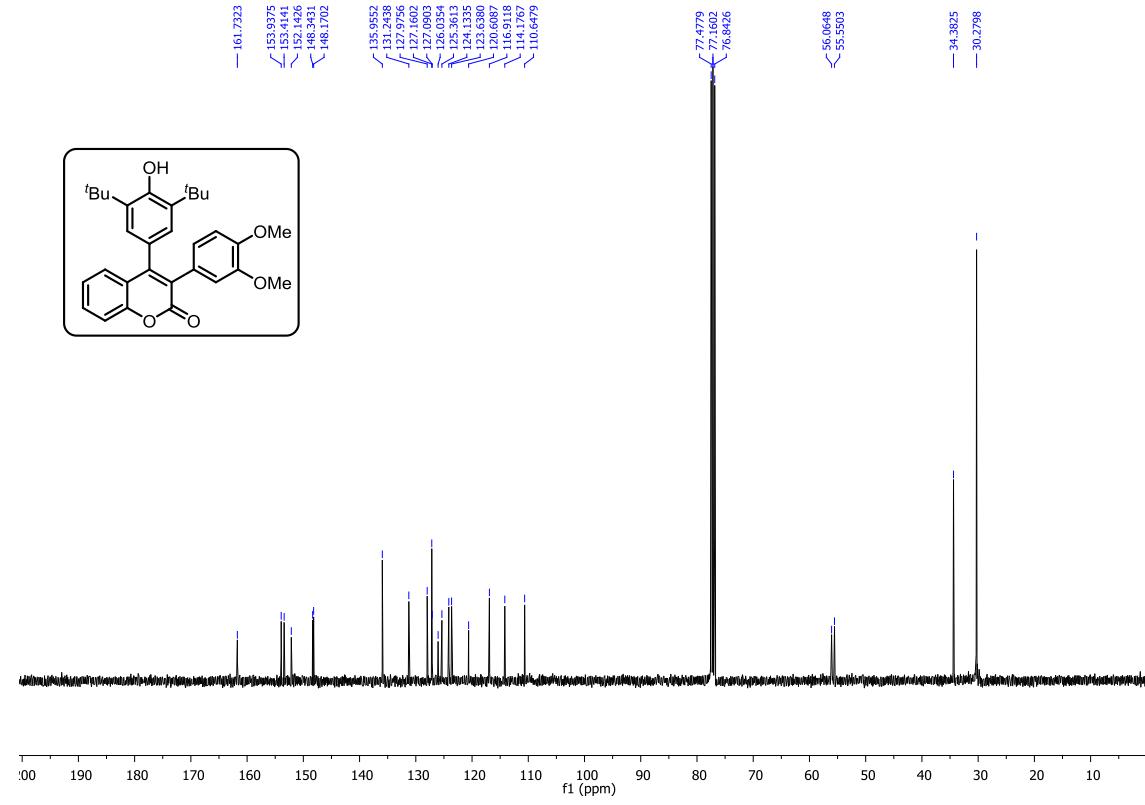
¹³C NMR spectrum of **6c**



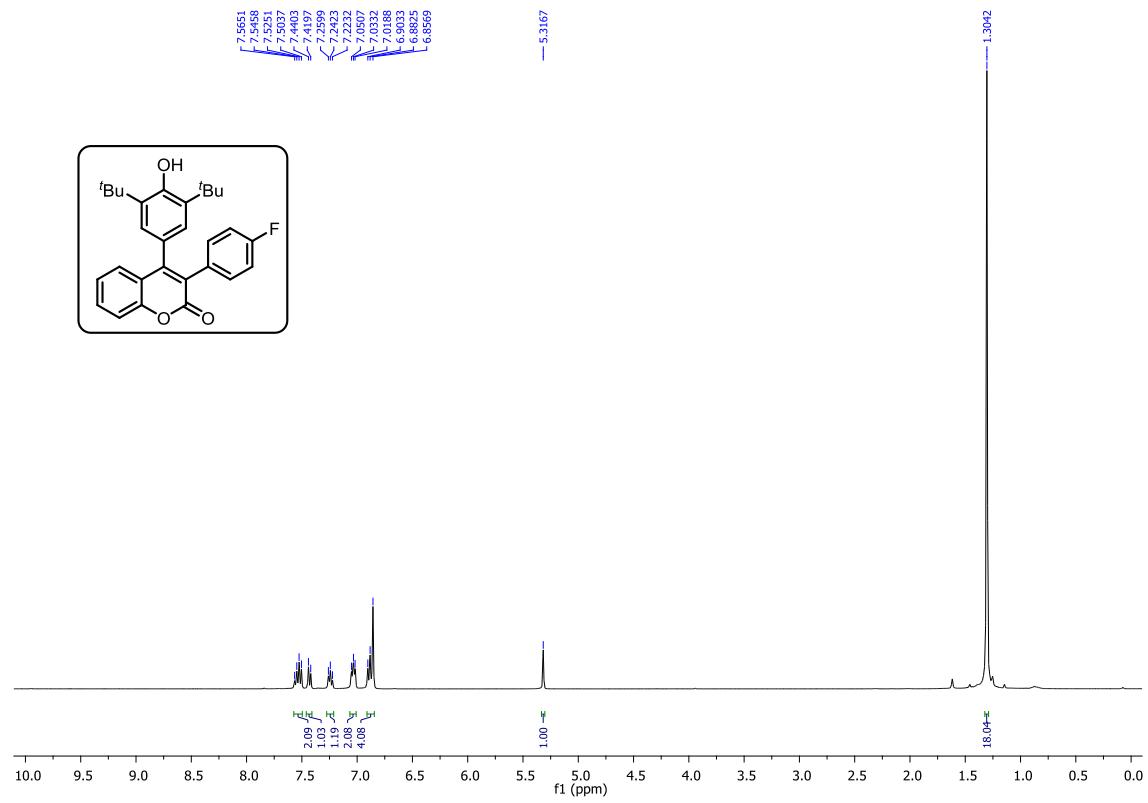
¹H NMR spectrum of **6d**



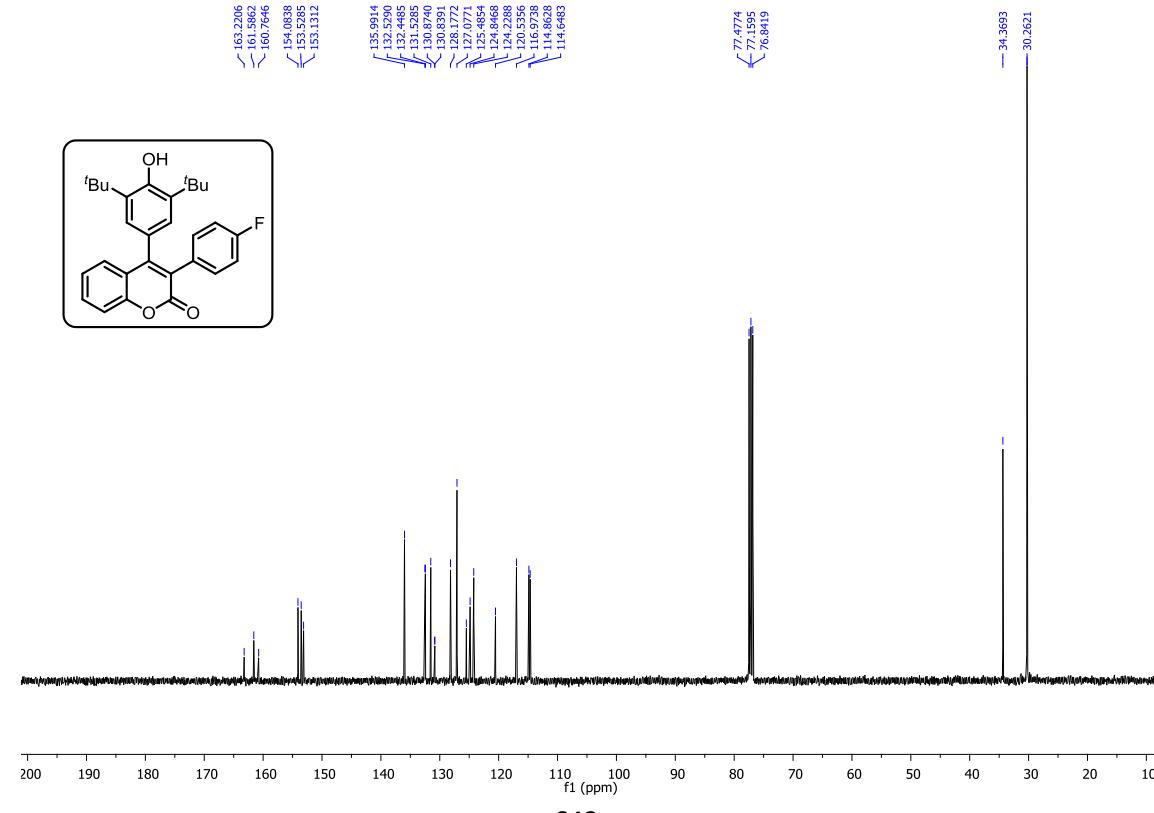
¹³C NMR spectrum of **6d**



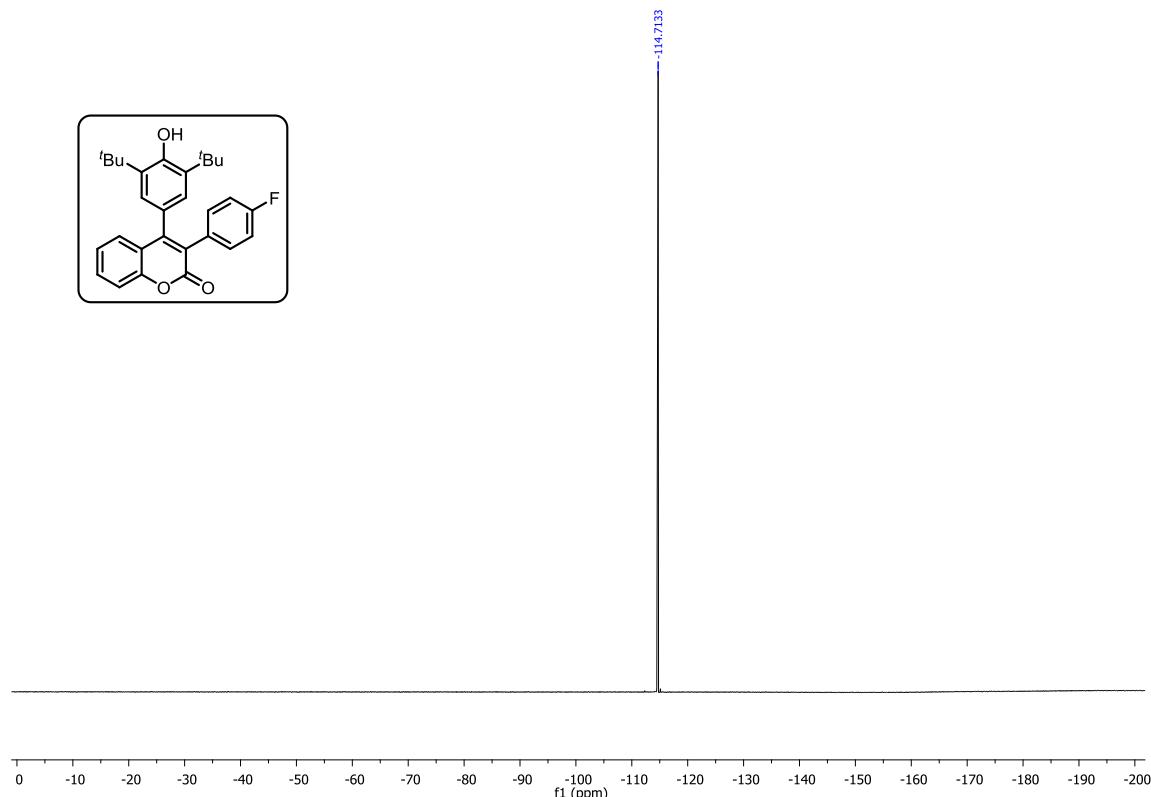
¹H NMR spectrum of **6e**



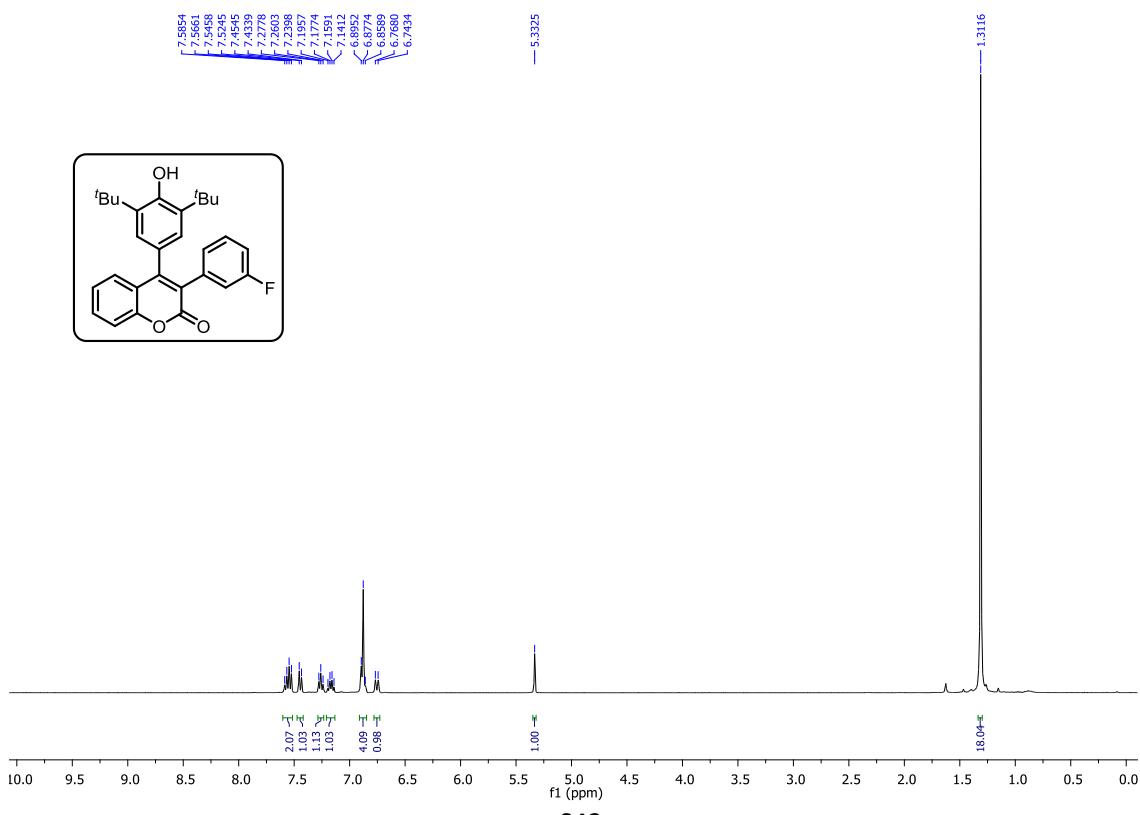
¹³C NMR spectrum of **6e**



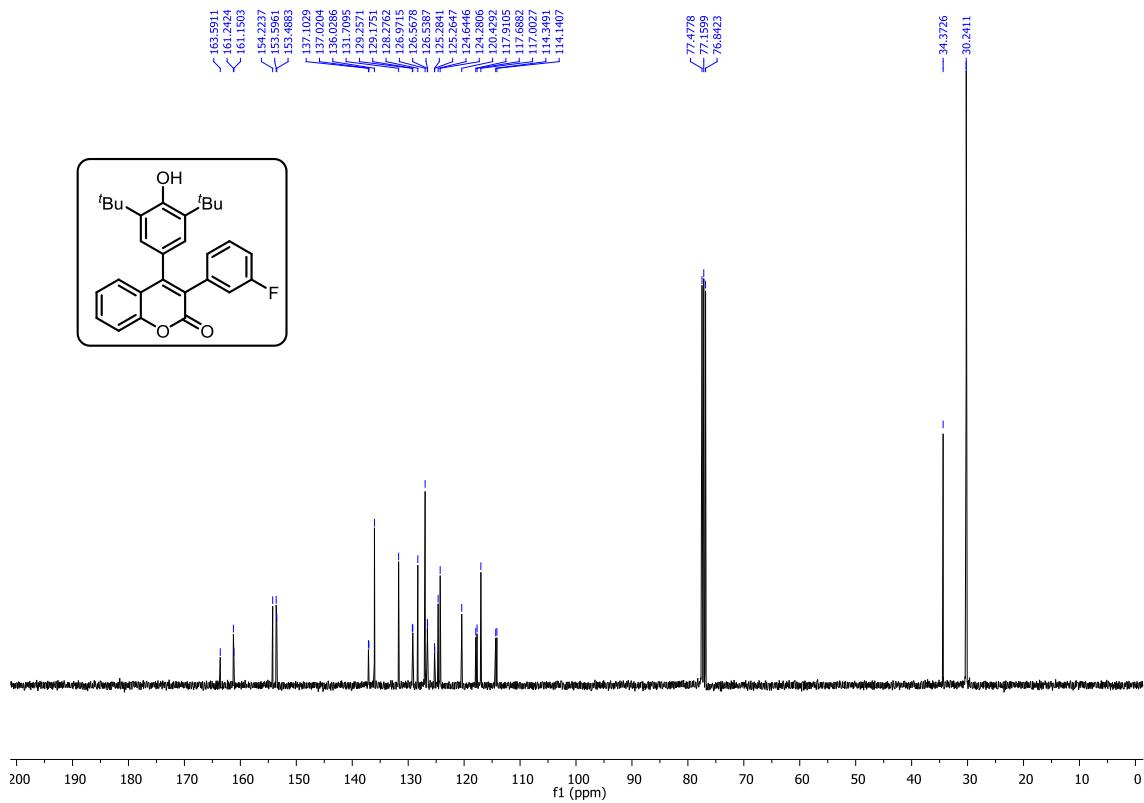
¹⁹F NMR spectrum of **6e**



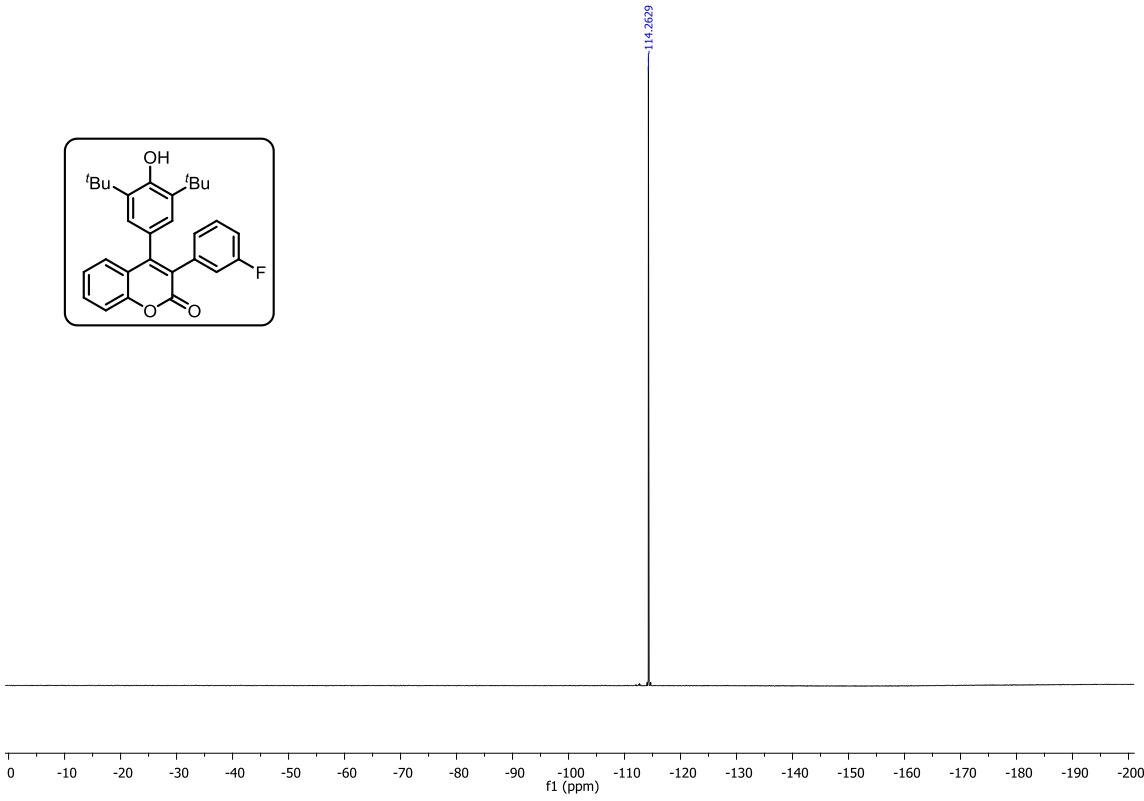
¹H NMR spectrum of **6f**



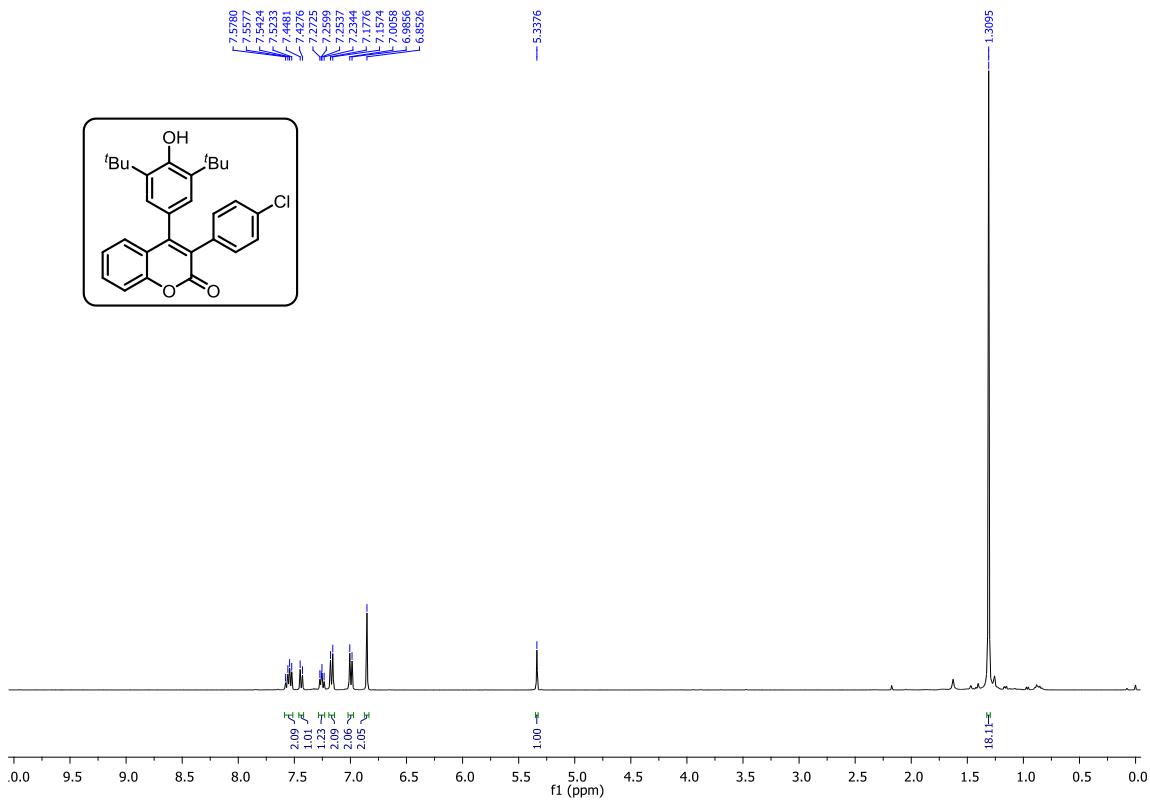
¹³C NMR spectrum of **6f**



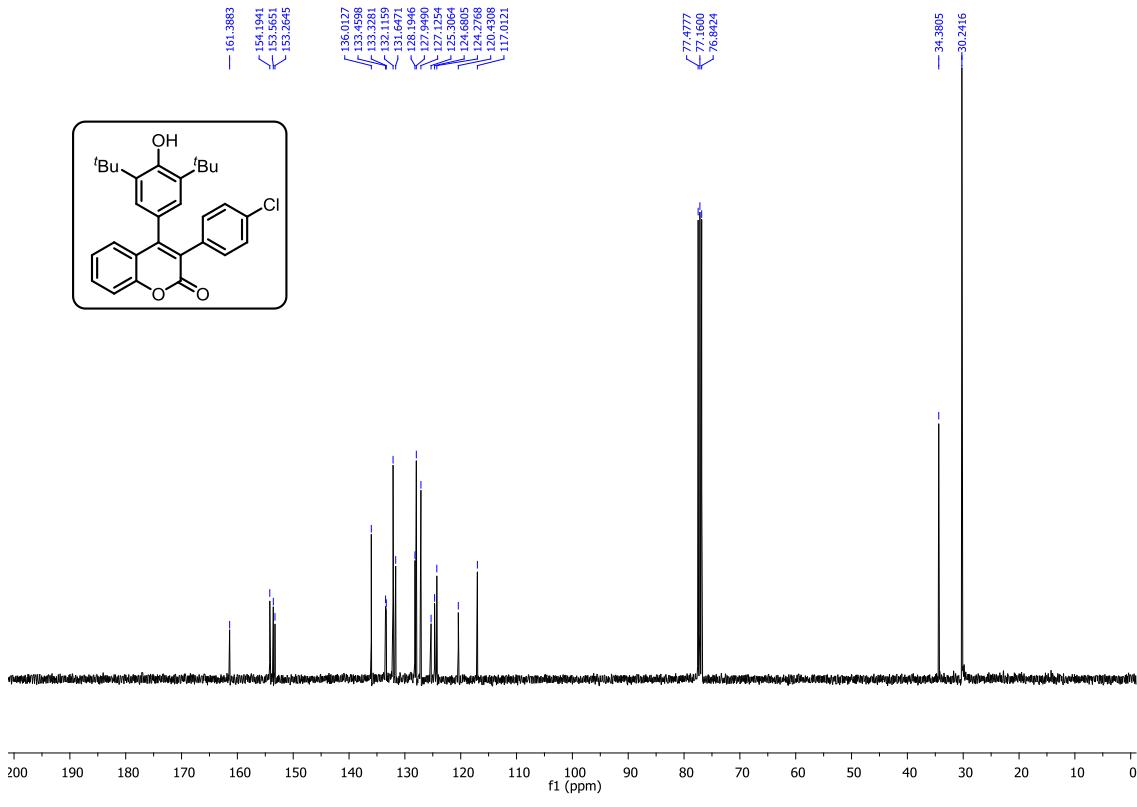
¹⁹F NMR spectrum of **6f**



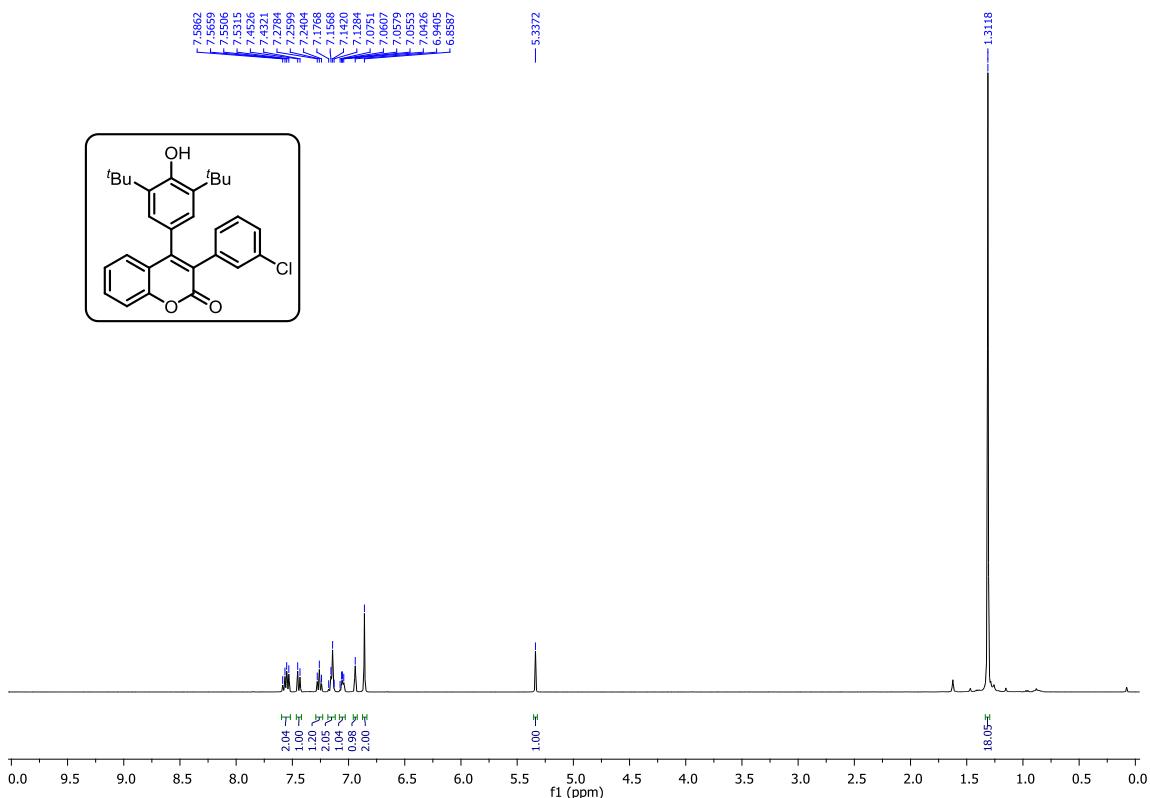
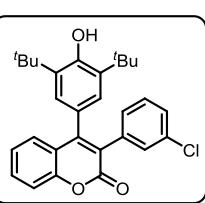
¹H NMR spectrum of **6g**



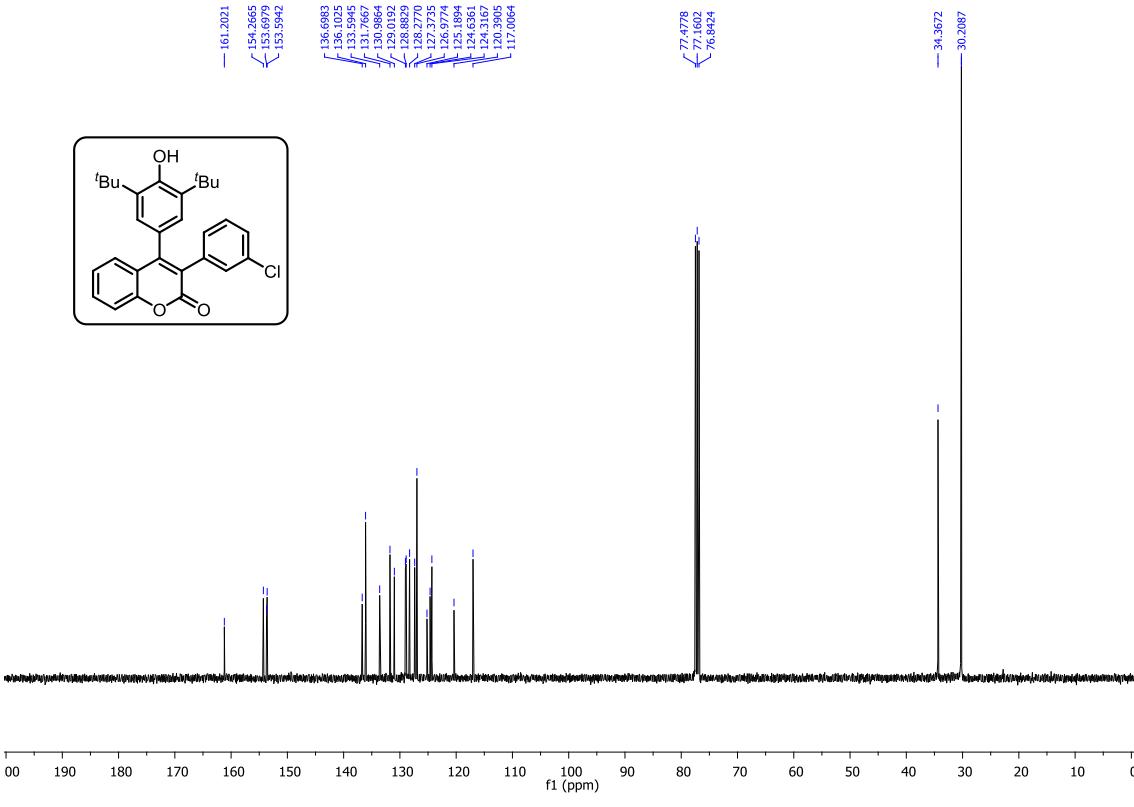
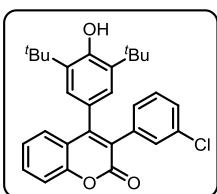
¹³C NMR spectrum of **6g**



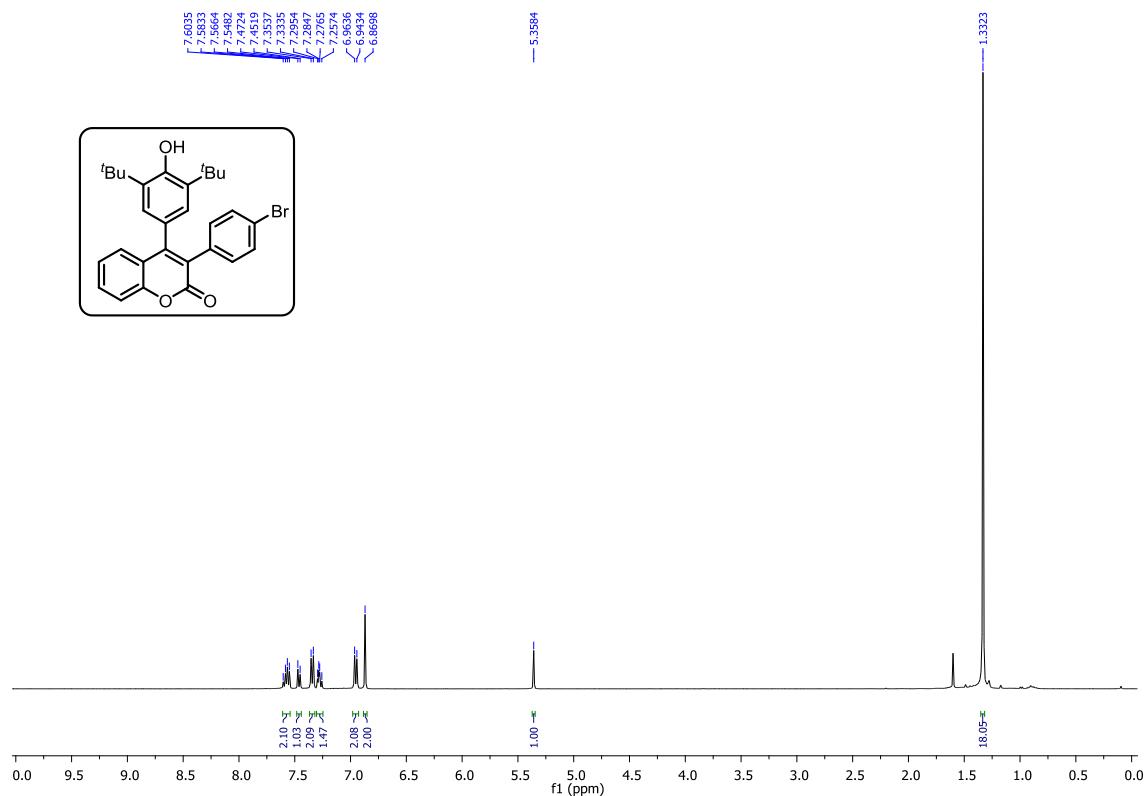
¹H NMR spectrum of **6h**



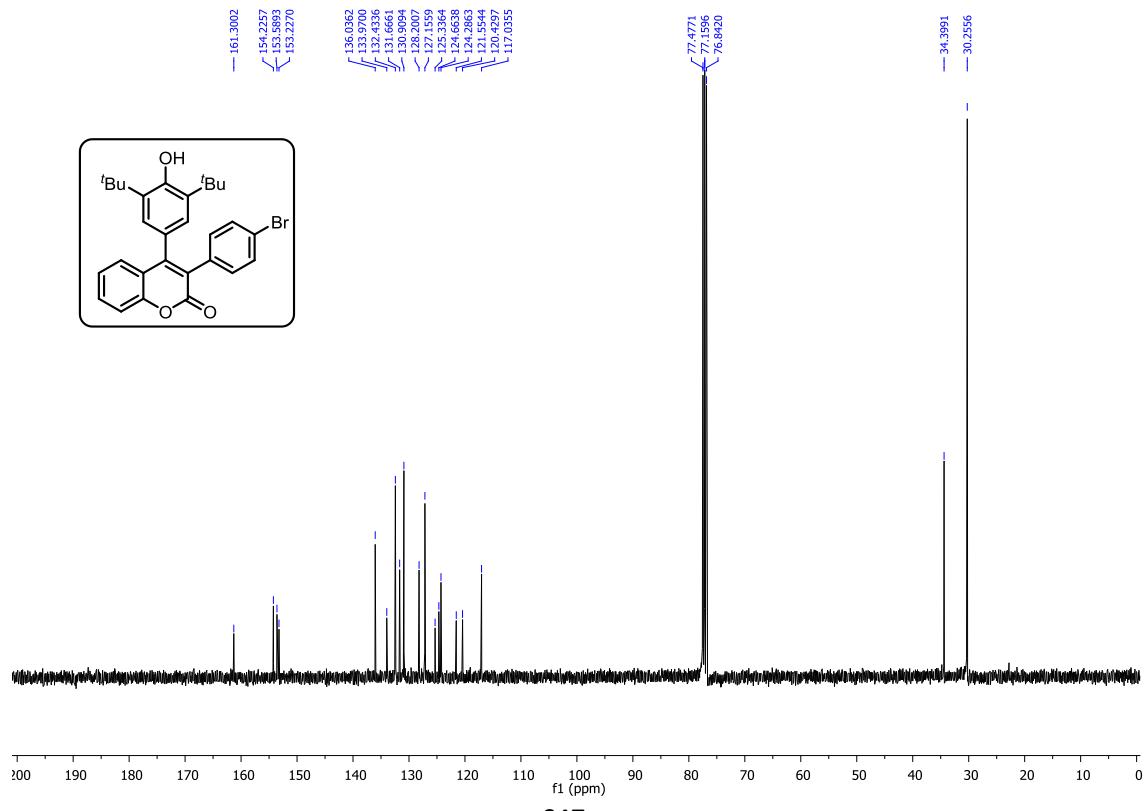
¹³C NMR spectrum of **6h**



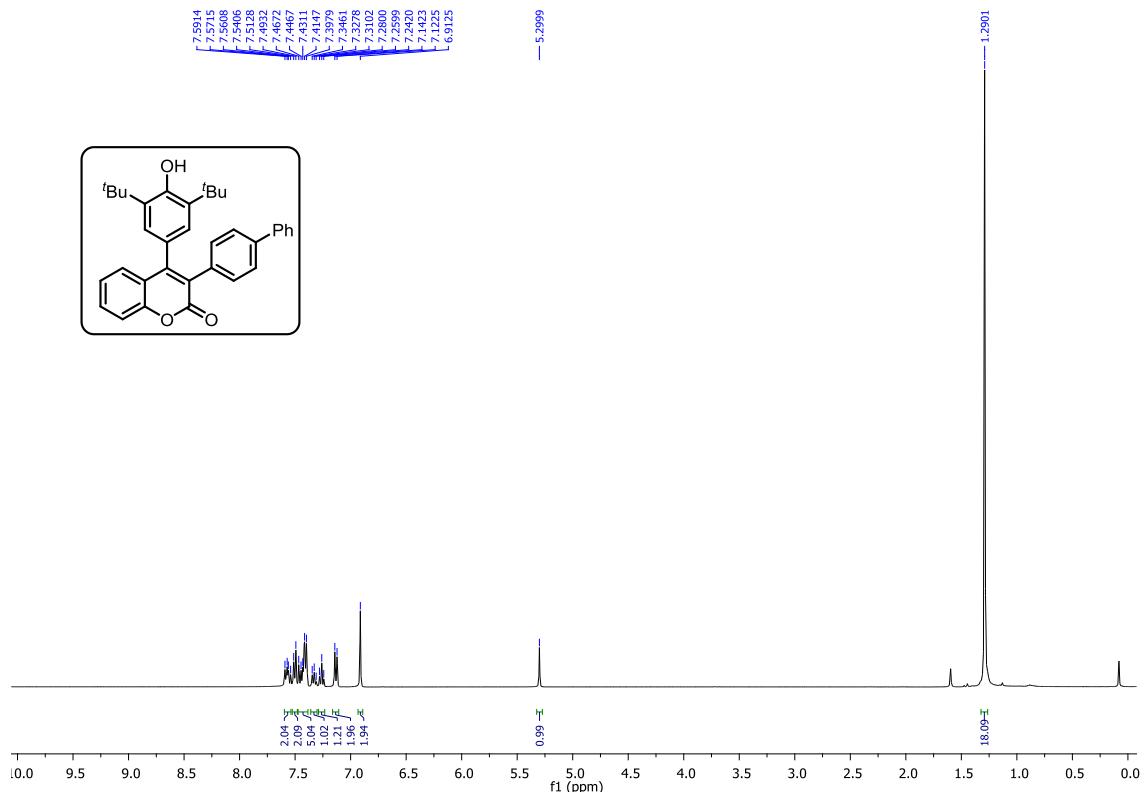
¹H NMR spectrum of **6i**



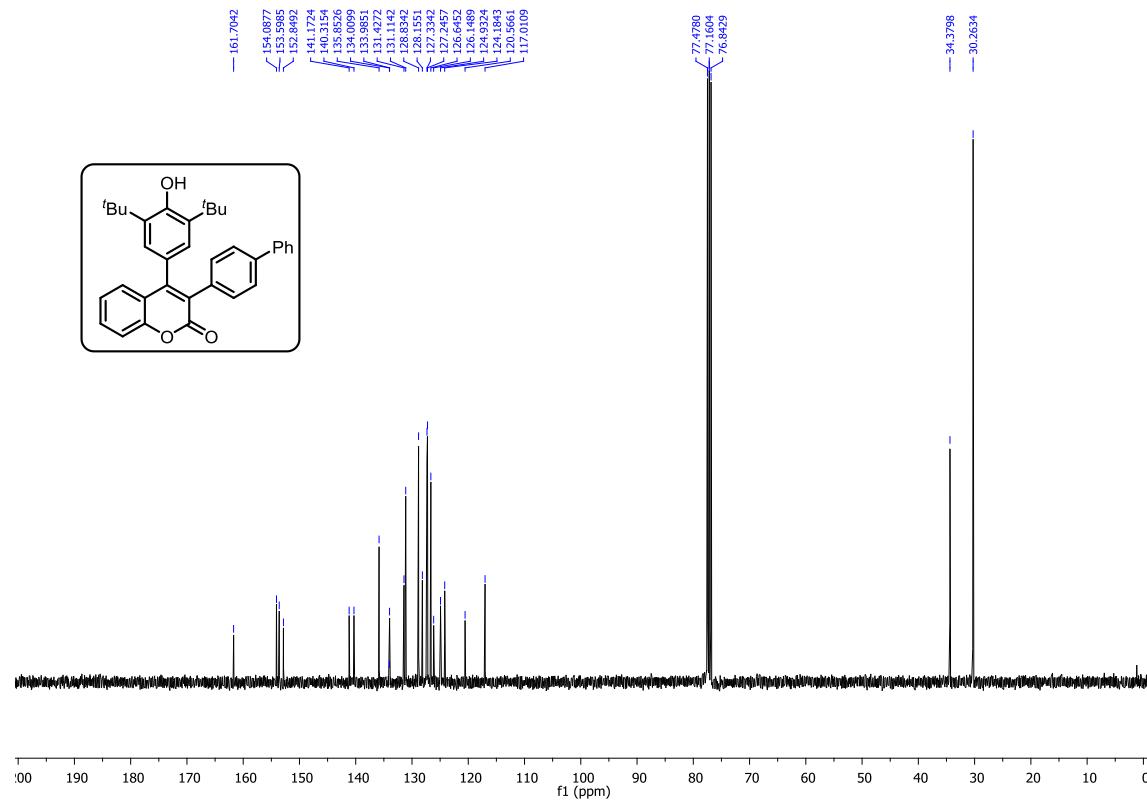
¹³C NMR spectrum of **6i**



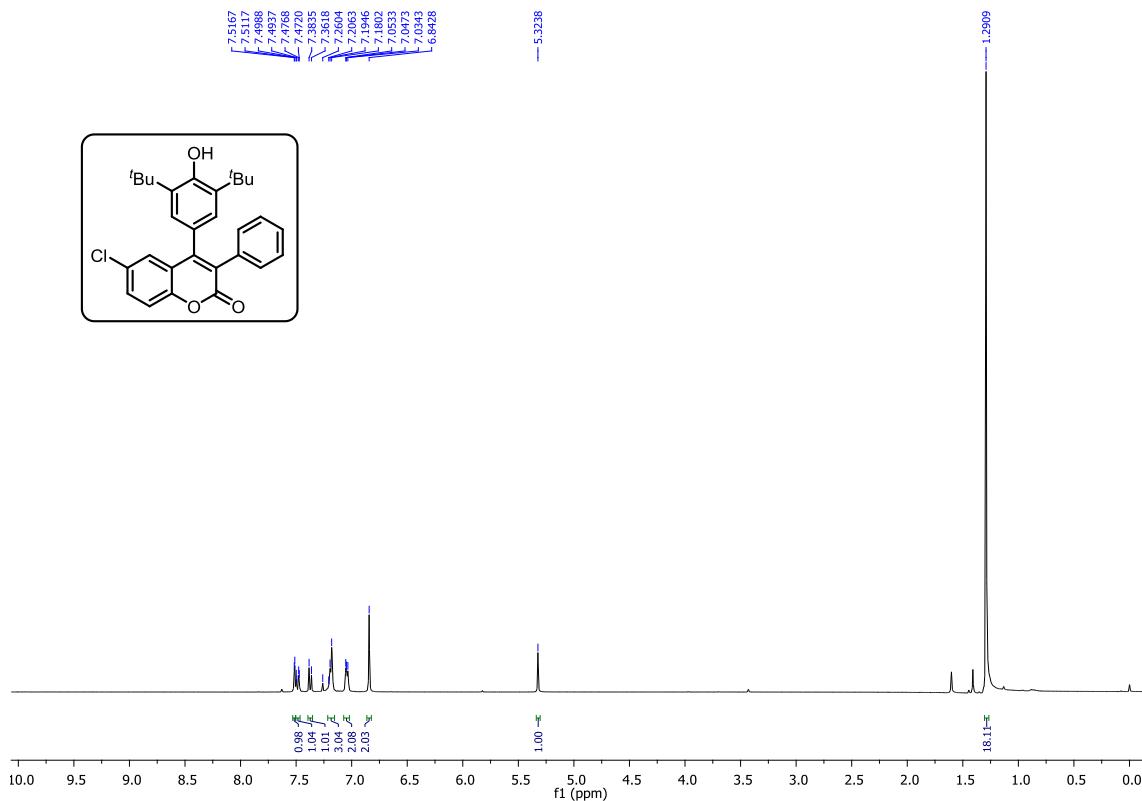
¹H NMR spectrum of **6j**



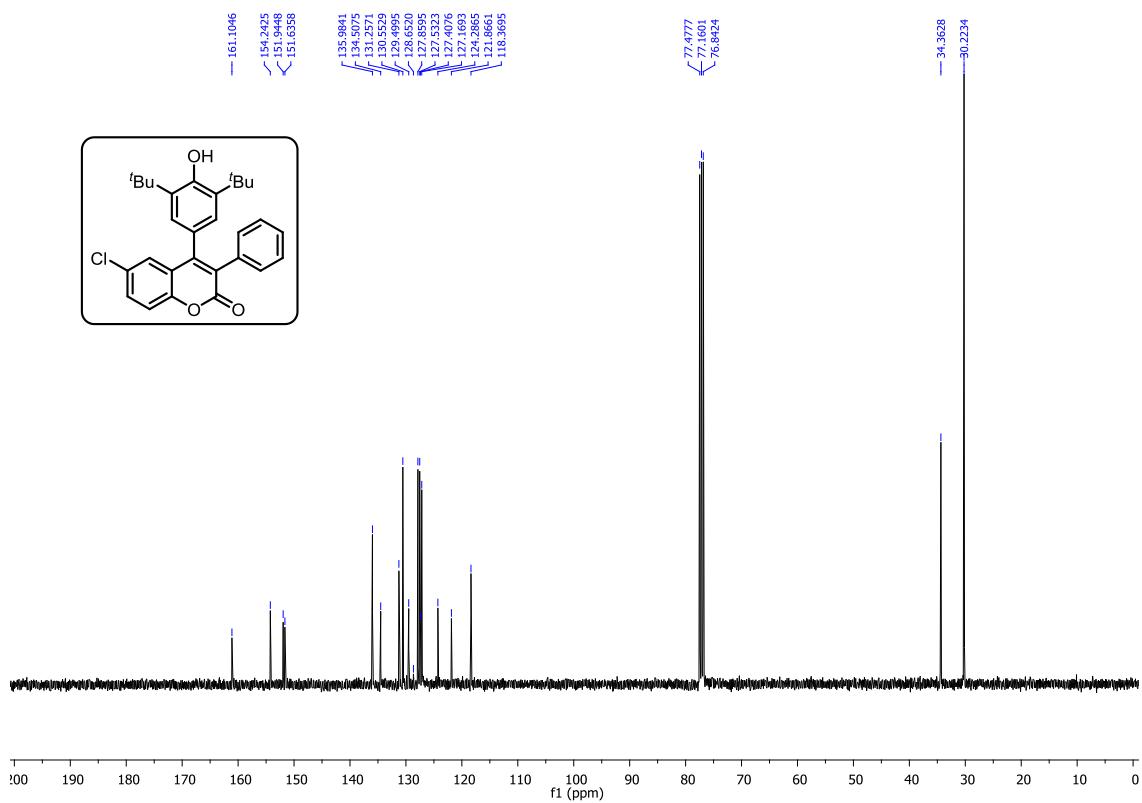
¹³C NMR spectrum of **6j**



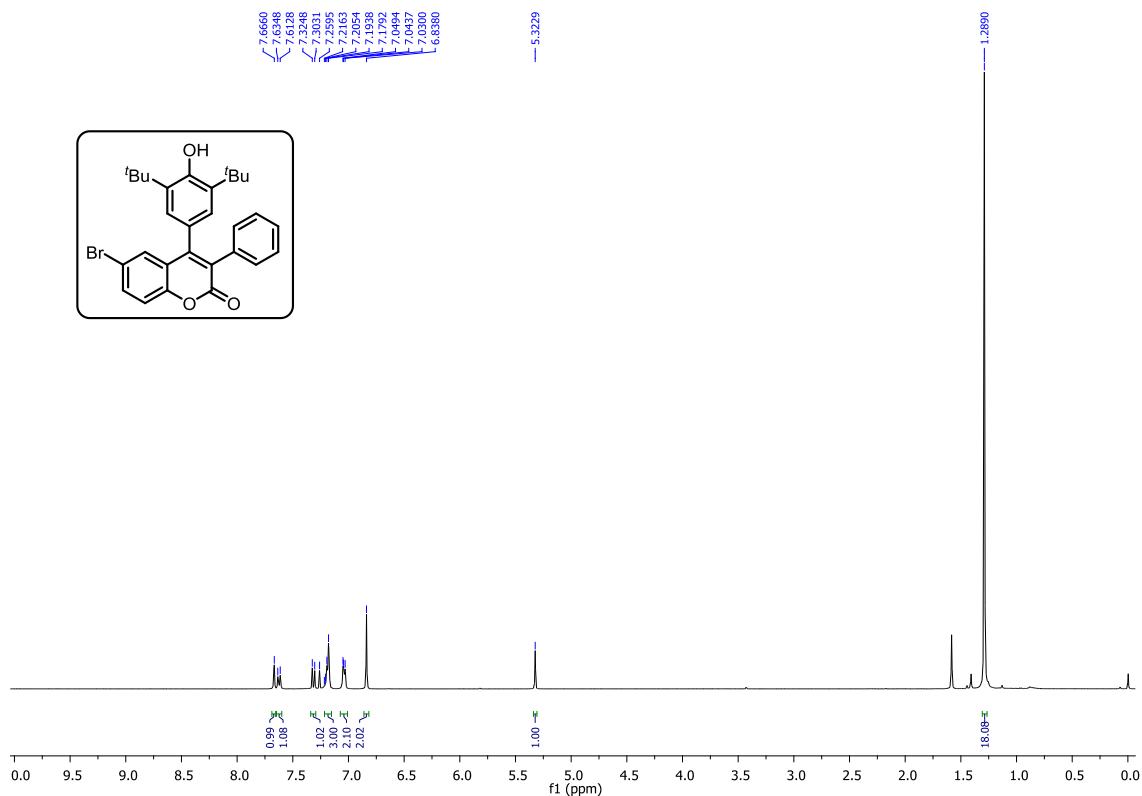
¹H NMR spectrum of **6k**



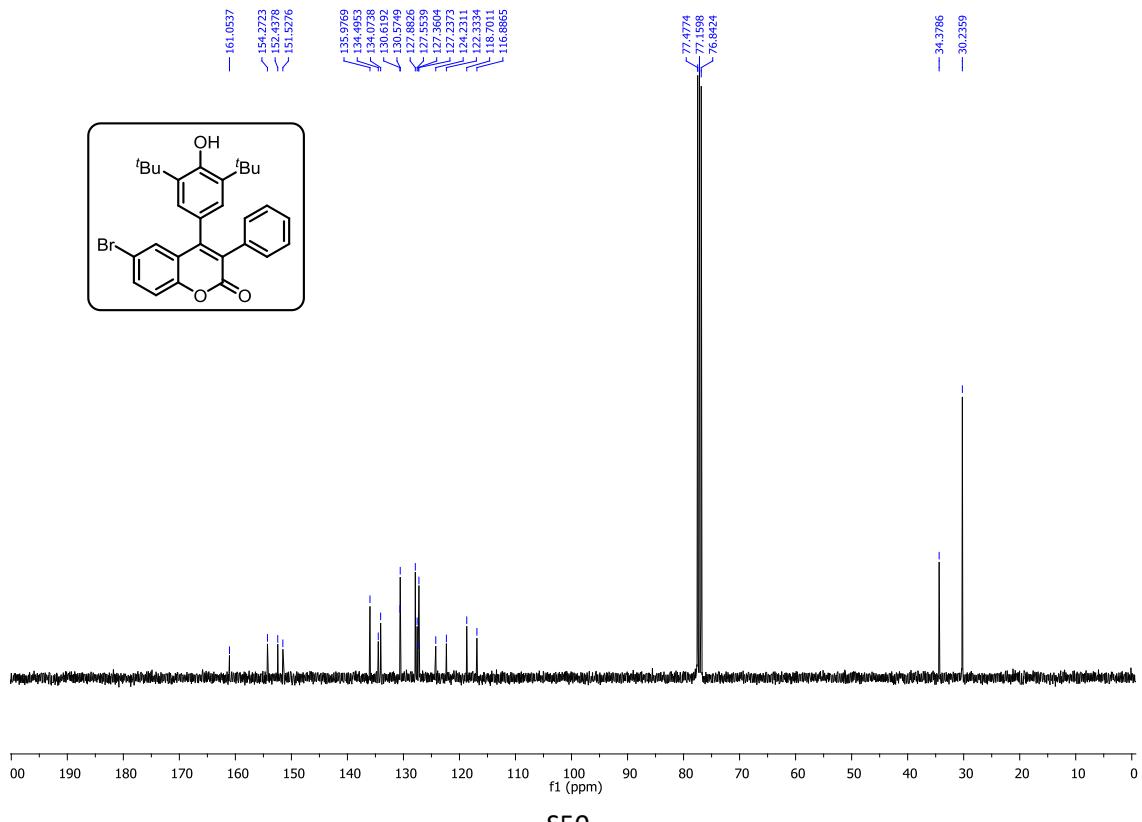
¹³C NMR spectrum of **6k**



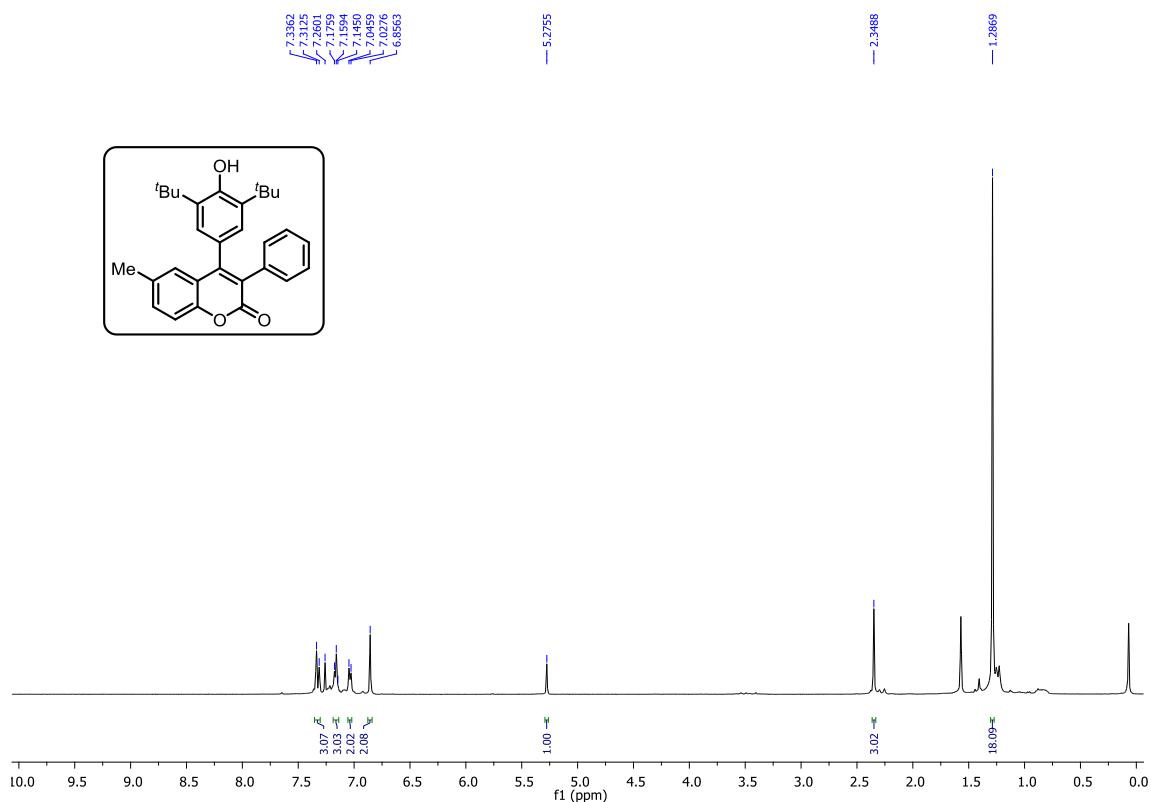
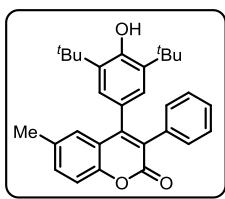
¹H NMR spectrum of **6l**



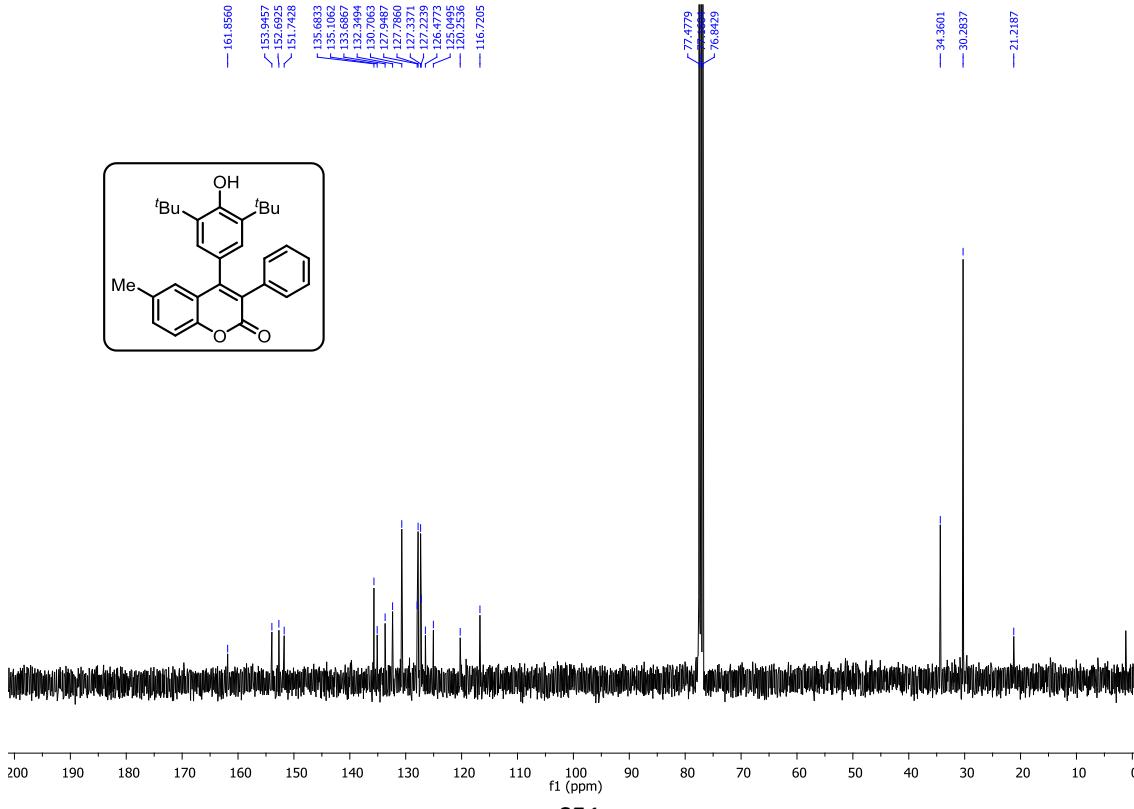
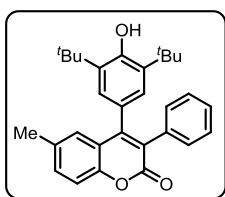
¹³C NMR spectrum of **6l**



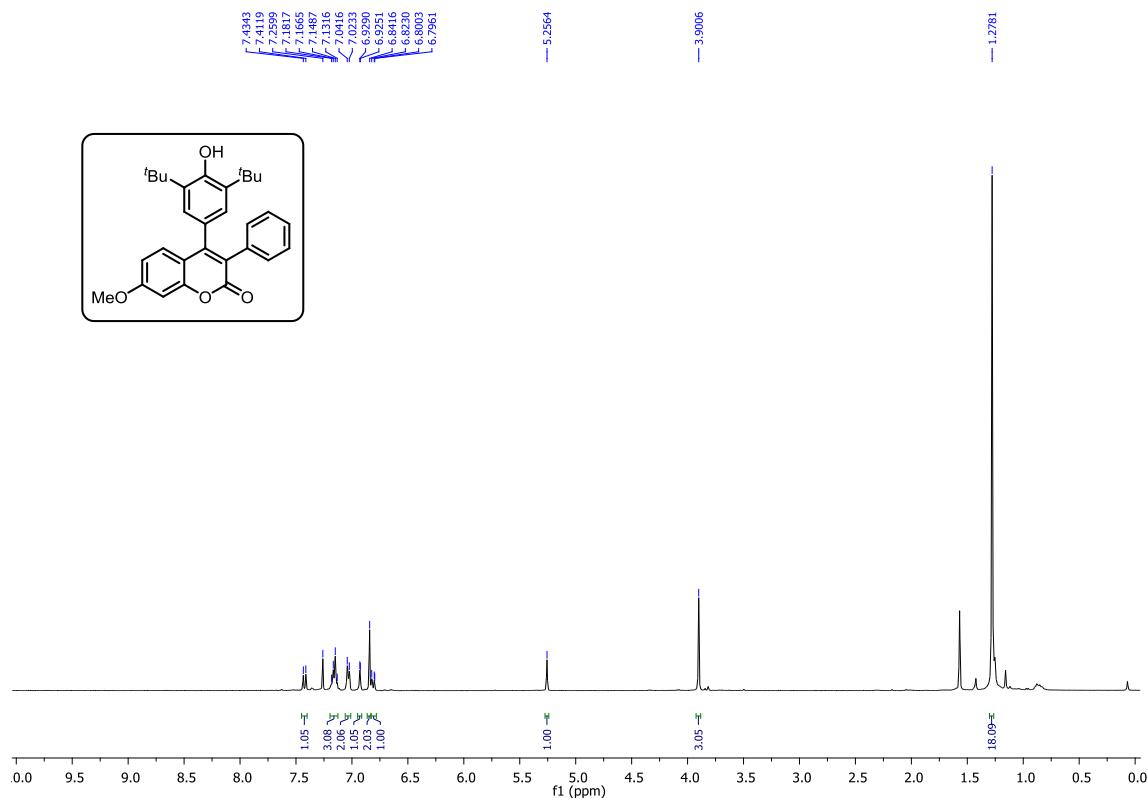
¹H NMR spectrum of **6m**



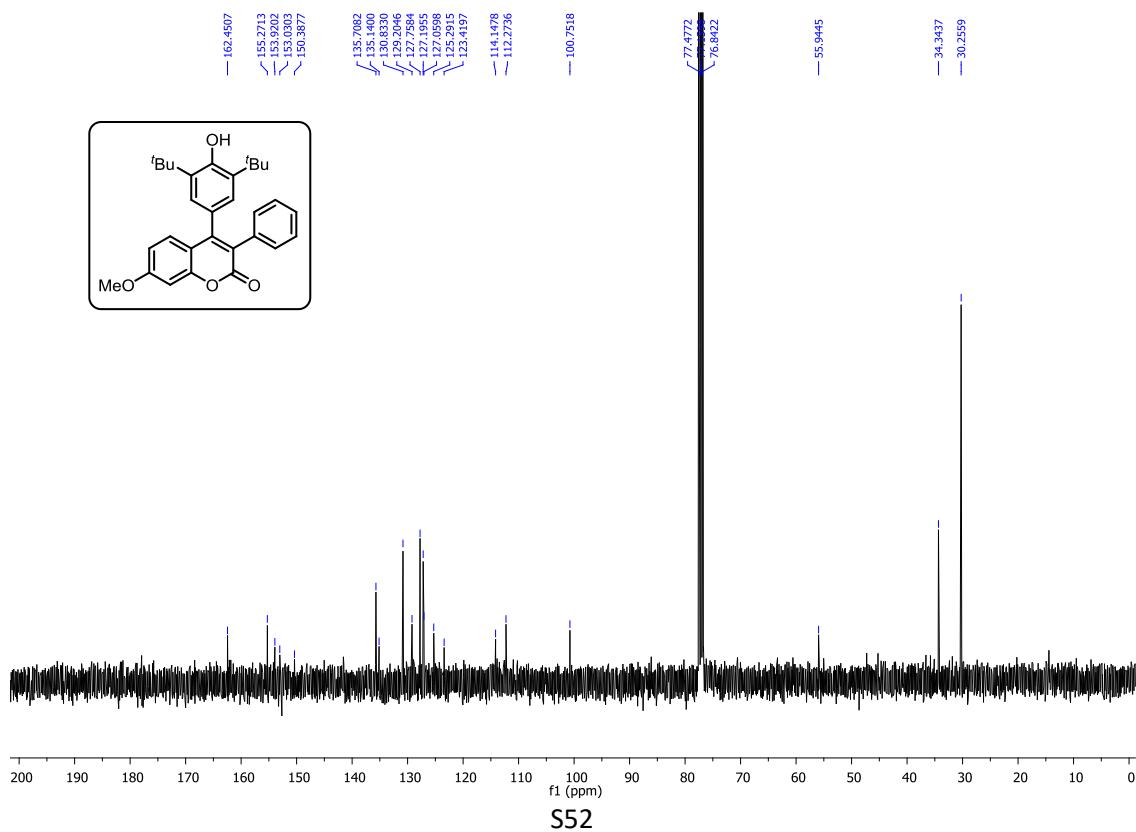
¹³C NMR spectrum of **6m**



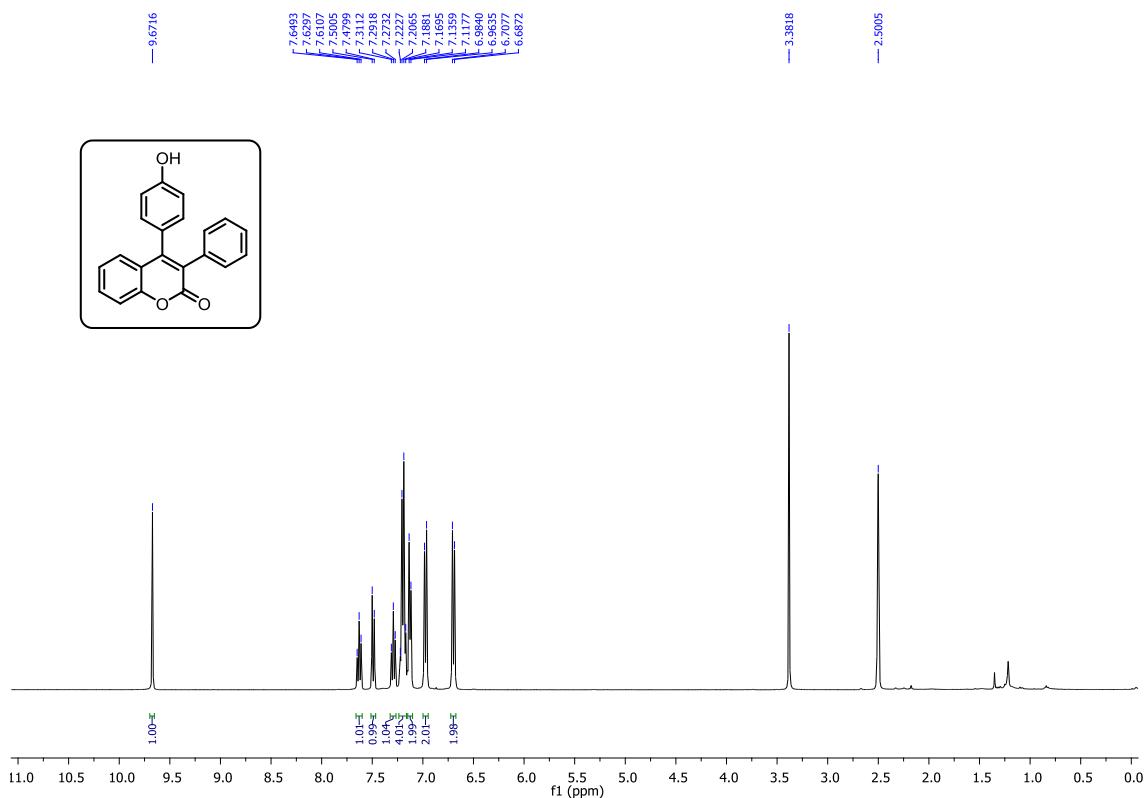
¹H NMR spectrum of **6n**



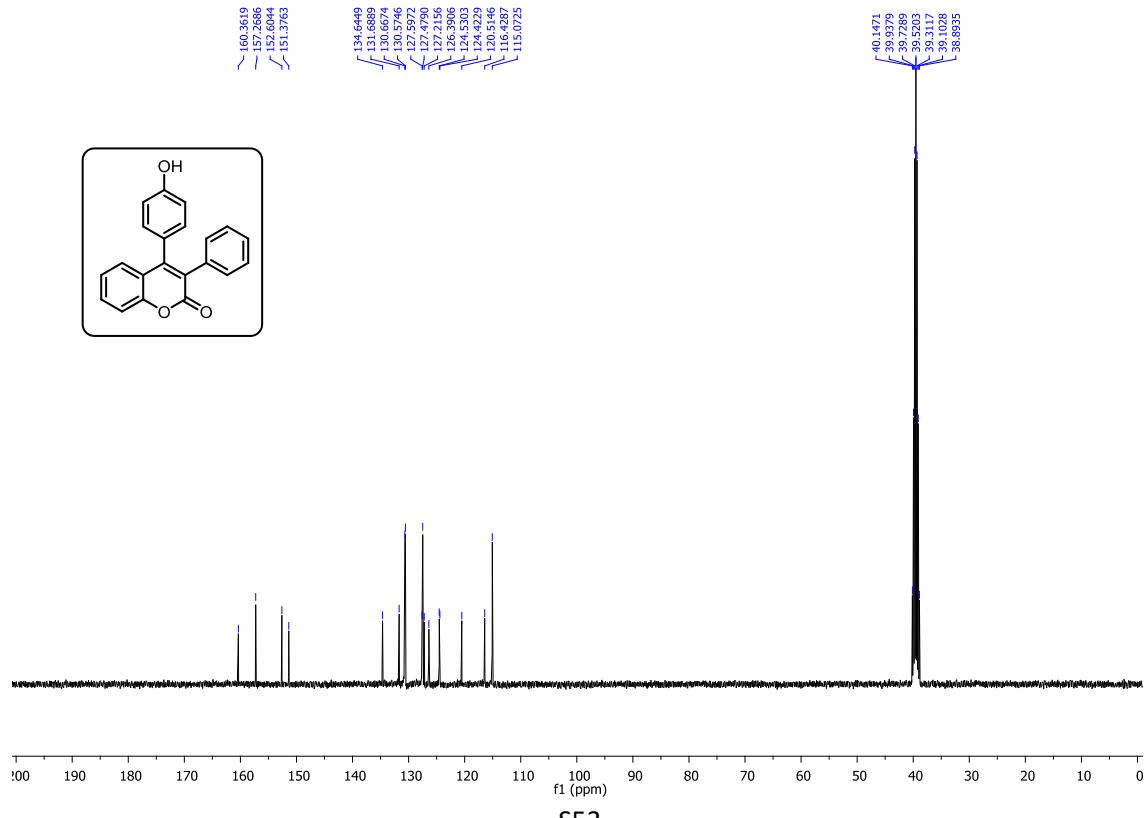
¹³C NMR spectrum of **6n**



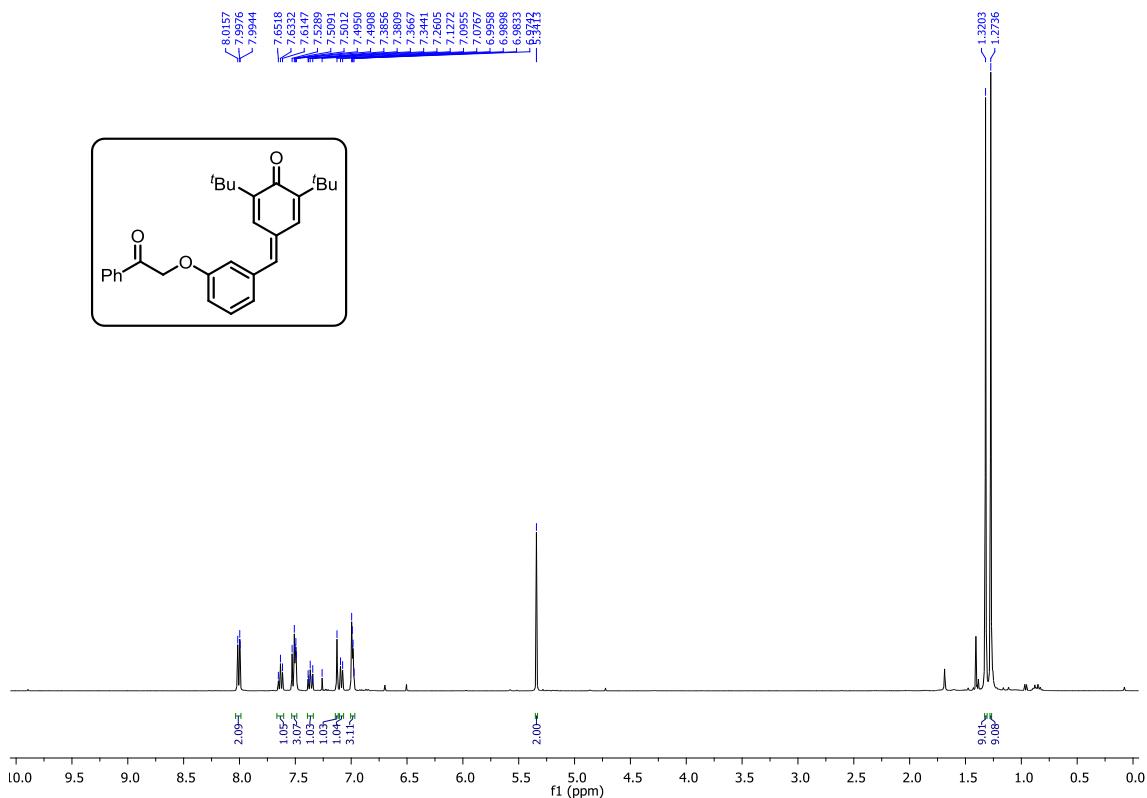
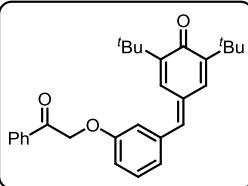
¹H NMR spectrum of **7**



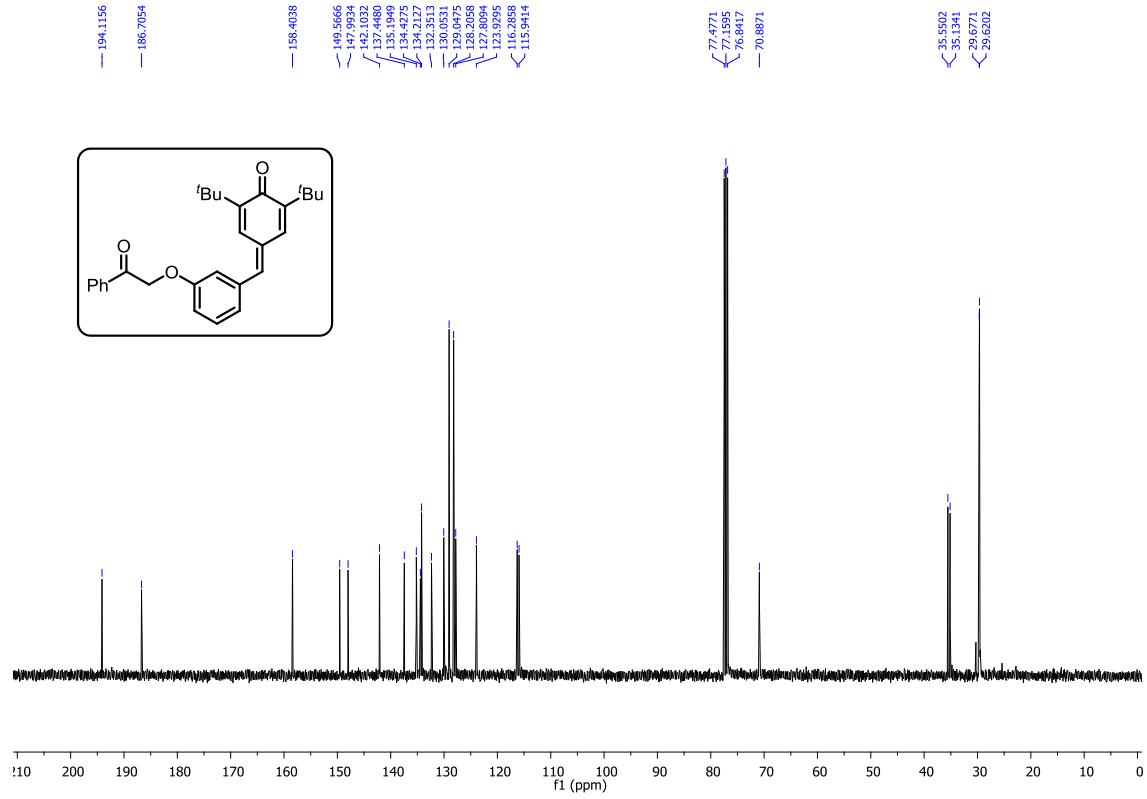
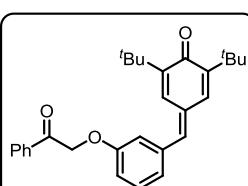
¹³C NMR spectrum of **7**



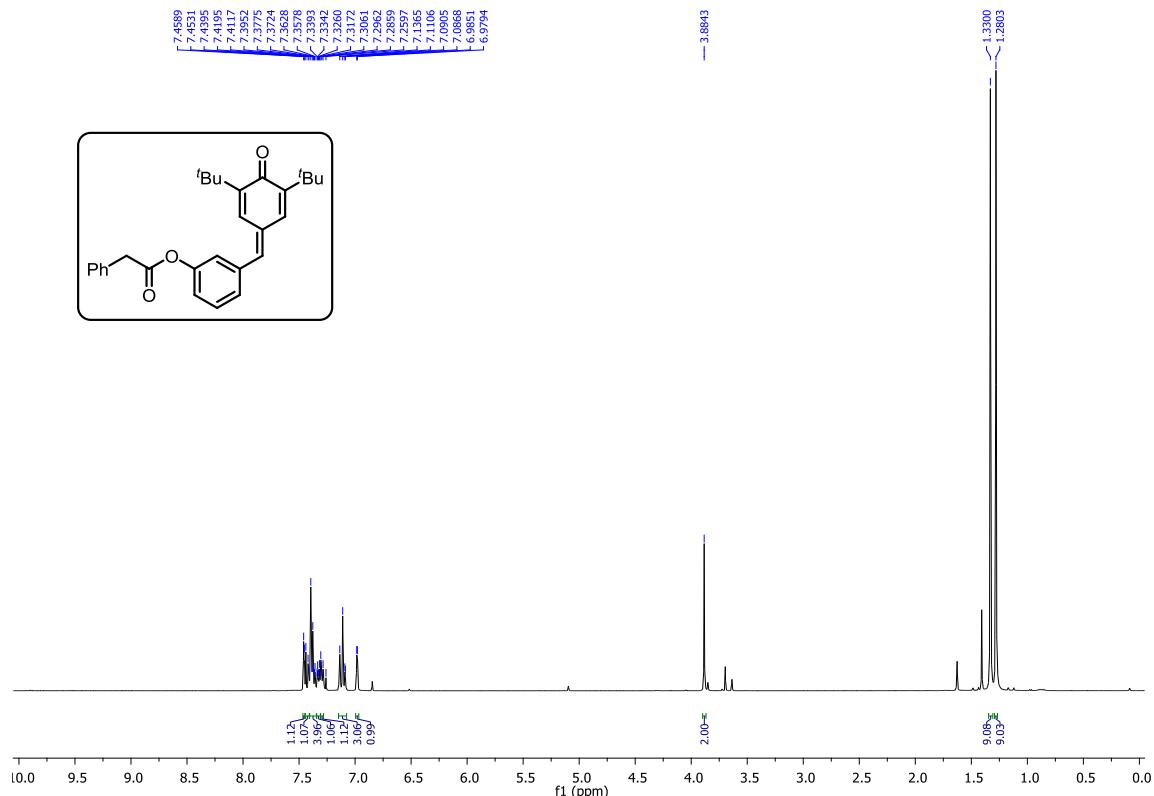
¹H NMR spectrum of 13



¹³C NMR spectrum of **13**



¹H NMR spectrum of **14**



¹³C NMR spectrum of **14**

