

CO₂ as oxidant: an unusual light-assisted catalyst free oxidation of aldehydes to acids under mild conditions

Shafiur Rehman Khan,¹ Sandhya Saini,^{1,2} K. Naresh,³ Alka Kumari,³ Vineet Aniya,³ Praveen K Khatri,¹ Anjan Ray⁴ and Suman L Jain^{1*}

¹Chemical & Material Sciences Division, CSIR-Indian Institute of Petroleum, Haridwar Road, Mohkampur, Dehradun-248005, India.

²Academy of Scientific and Innovative Research, New Delhi-110001, India.

³Process Engineering Technology Transfer Division, CSIR-Indian Institute of Chemical Technology, Hyderabad-500007, India

⁴Director, CSIR-Indian Institute of Petroleum, Haridwar Road, Mohkampur, Dehradun-248005, India.

*Corresponding Author: suman@iip.res.in; Tel: +911352525788

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¹H & ¹³C NMR spectra of carboxylated products (Figure S1-S18)..... S2-S10

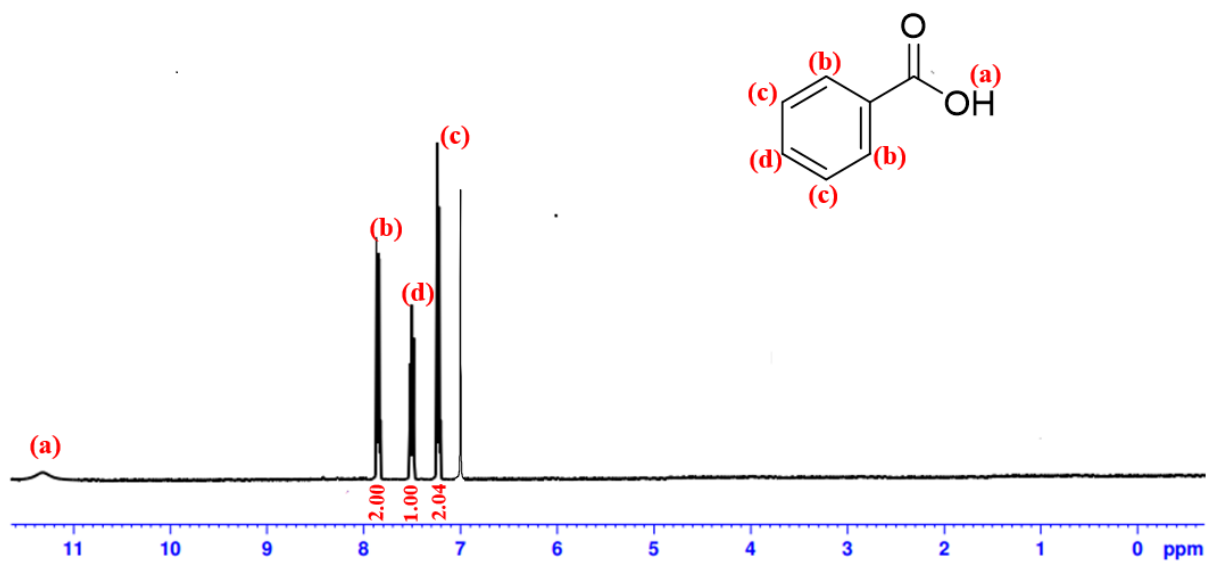


Figure S1. ¹H NMR spectrum of benzoic acid (Table 1, entry1)

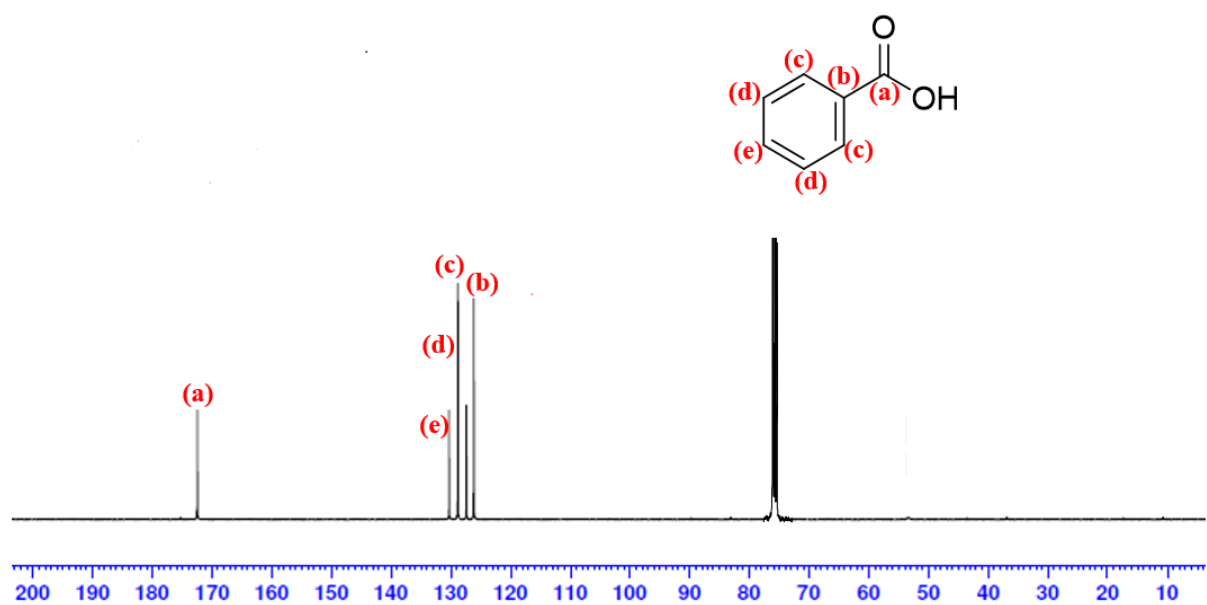


Figure S2. ¹³C NMR spectrum of benzoic acid (Table 1, entry1)

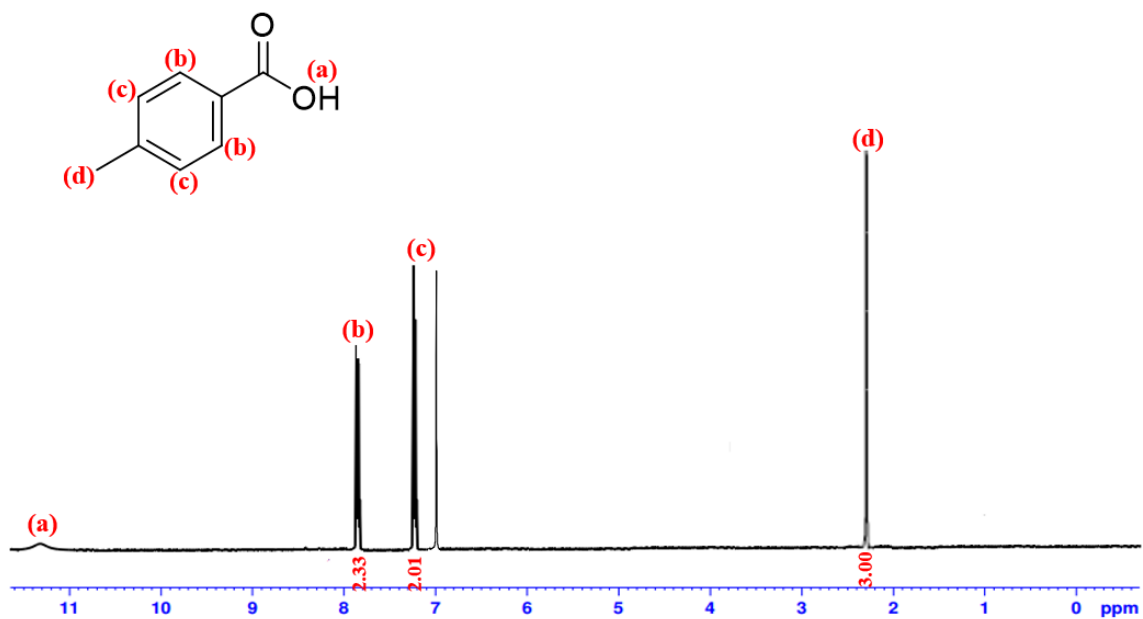


Figure S3. ¹H NMR spectrum of p-toluic acid (Table 1, entry 2)

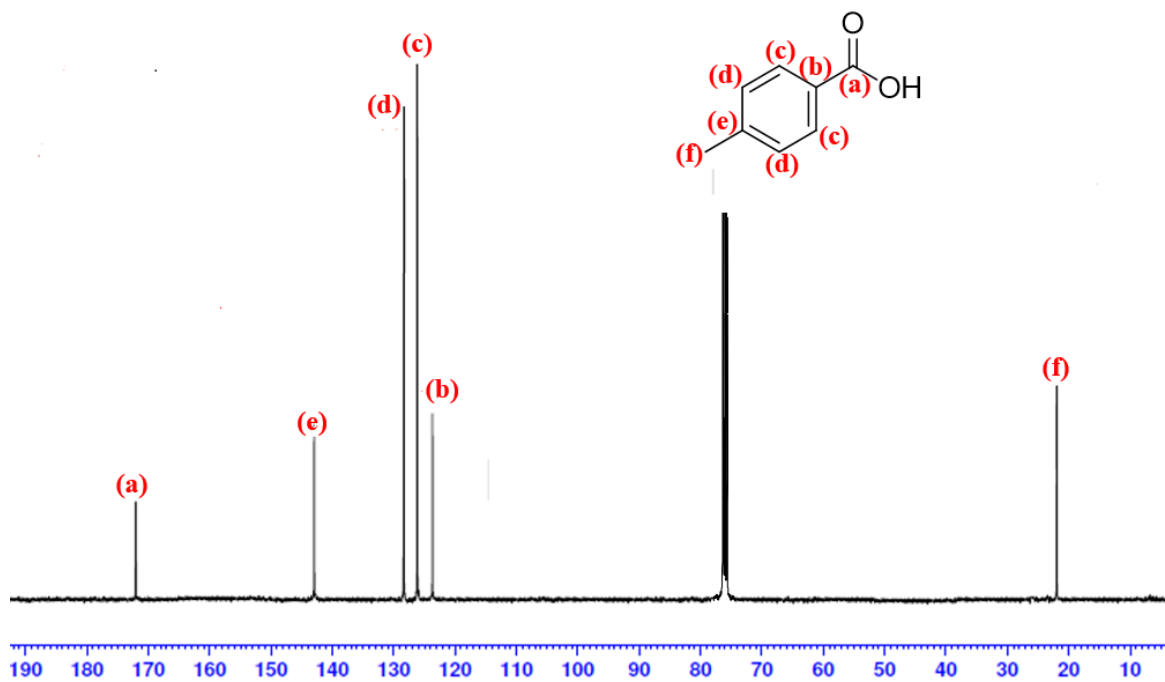


Figure S4. ¹³C NMR spectrum of p-toluic acid (Table 1, entry 2)

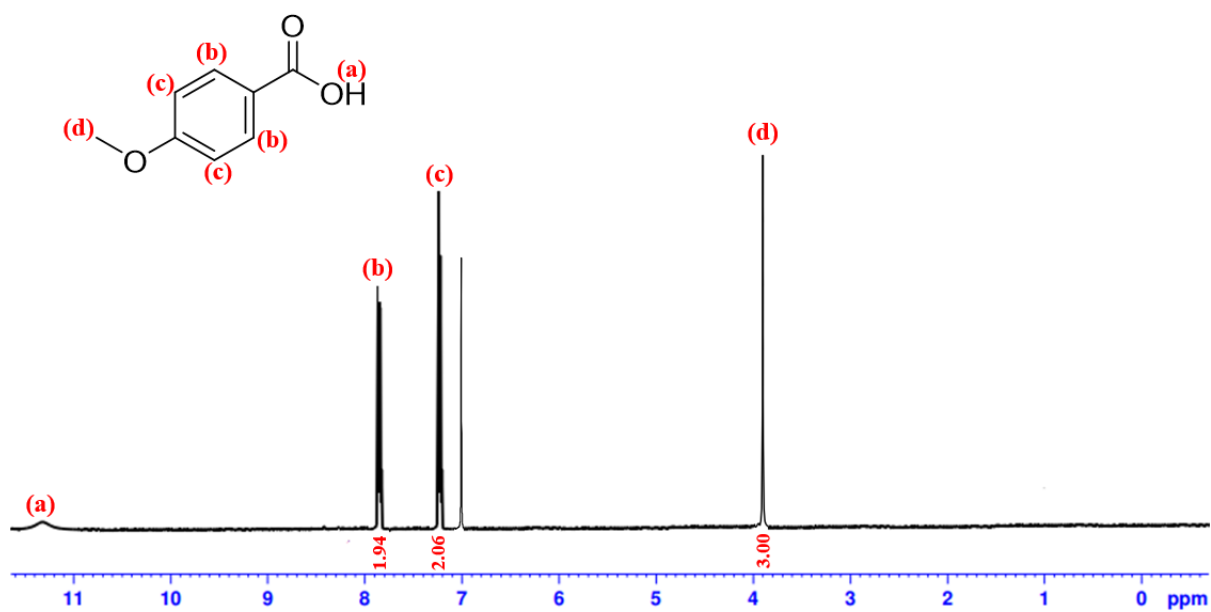


Figure S5. ¹H NMR spectrum of p-methoxybenzoic acid (Table 1, entry3)

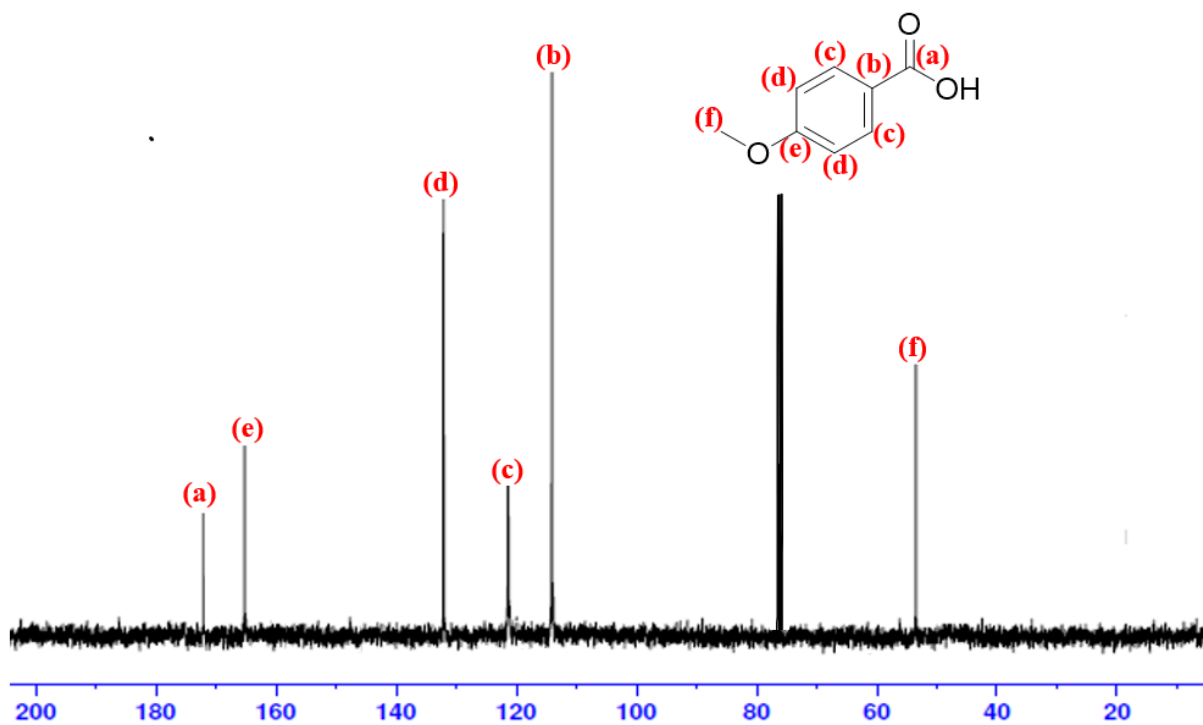


Figure S6. ¹³C NMR spectrum of p-methoxybenzoic acid (Table 1, entry3)

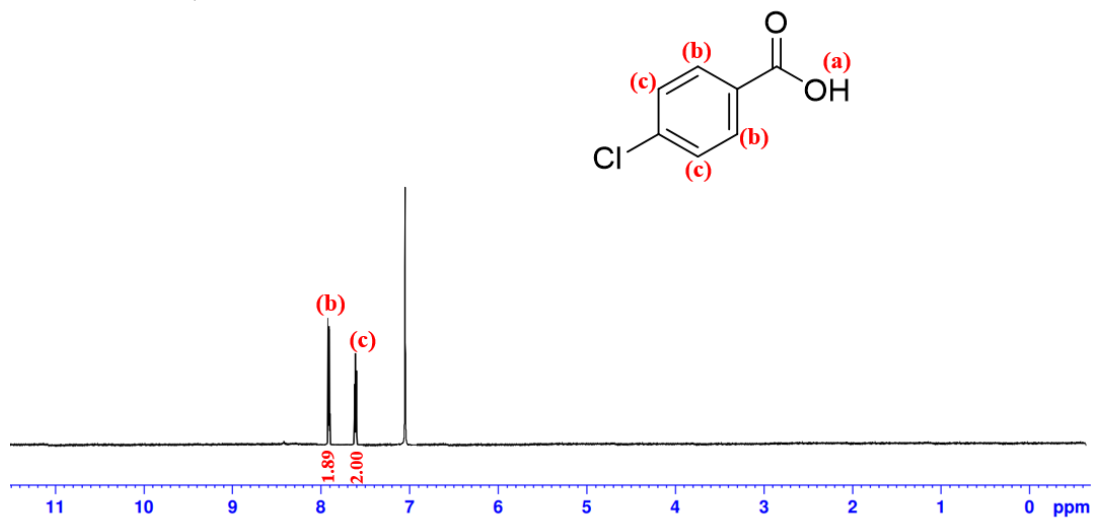


Figure S7. ¹H NMR spectrum of p-chlorobenzoic acid (Table 1, entry4)

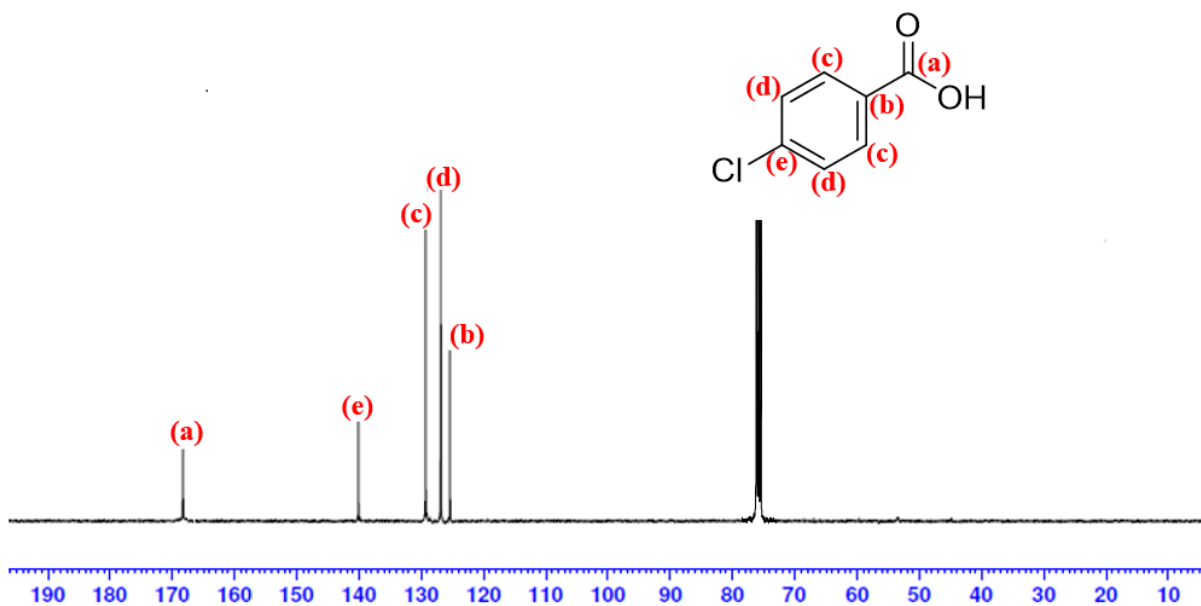


Figure S8. ¹³C NMR spectrum of p-chlorobenzoic acid (Table 1, entry4)

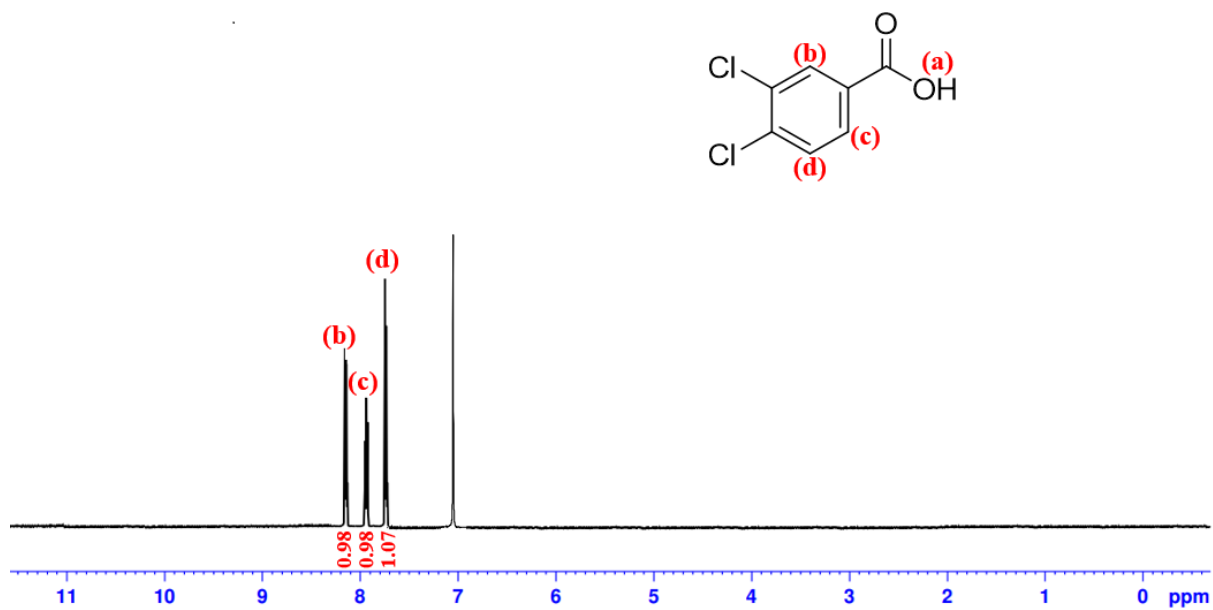


Figure S9. ^1H NMR spectrum of 3,4-dichlorobenzoic acid (Table 1, entry5)

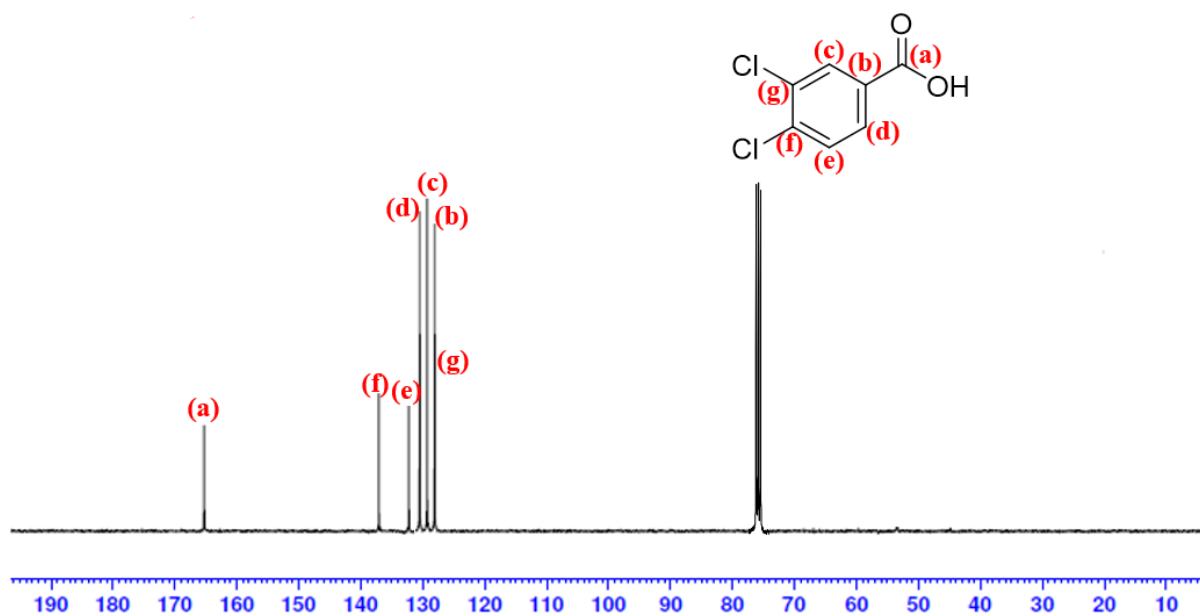


Figure S10. ^{13}C NMR spectrum of 3,4-dichlorobenzoic acid (Table 1, entry5)

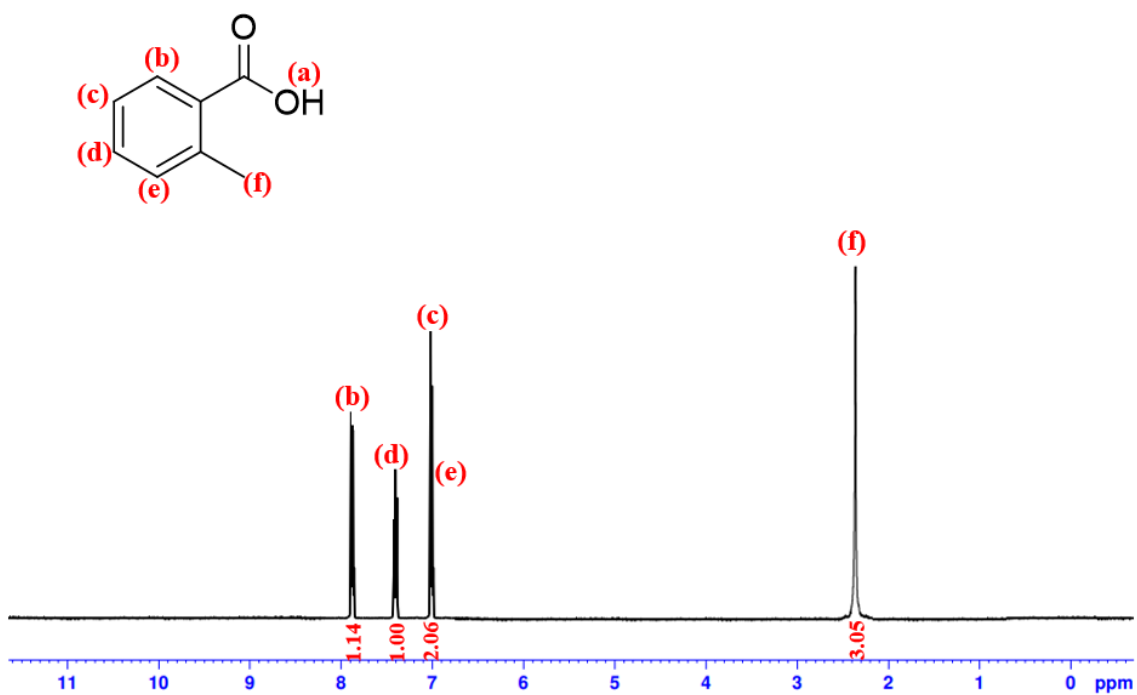


Figure S11. ¹H NMR spectrum of 2-methylbenzoic acid (Table 1, entry 8)

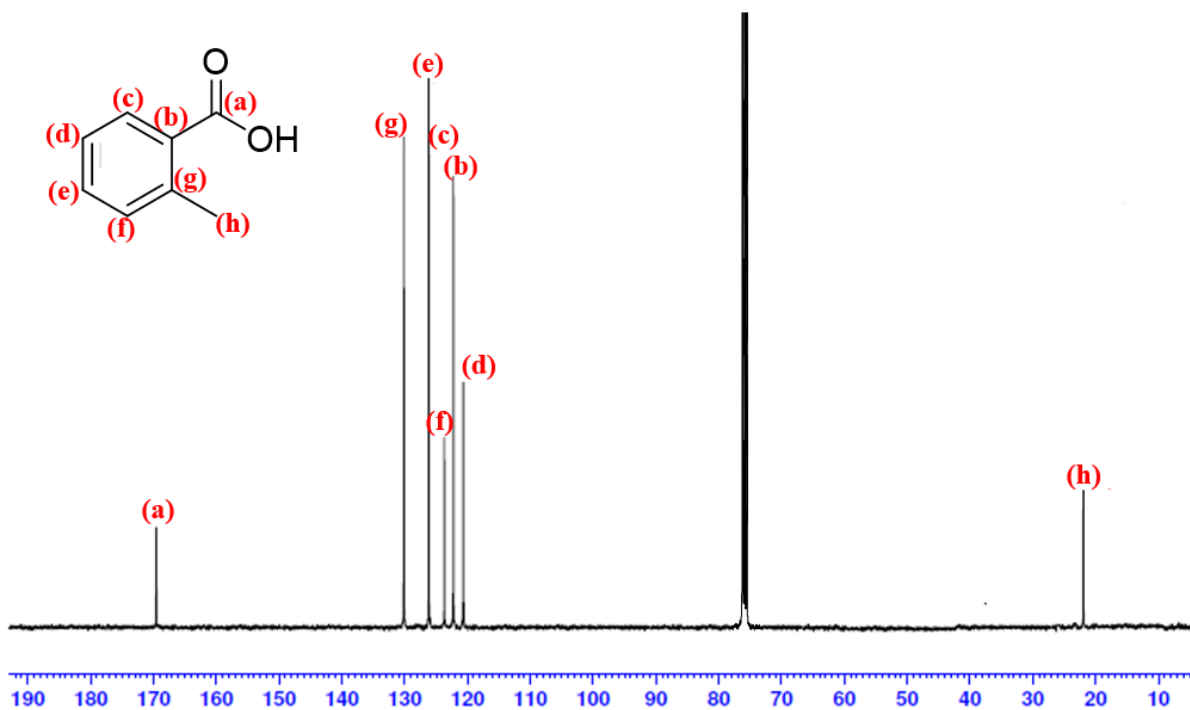


Figure S12. ¹³C NMR spectrum of 2-methylbenzoic acid (Table 1, entry 8)

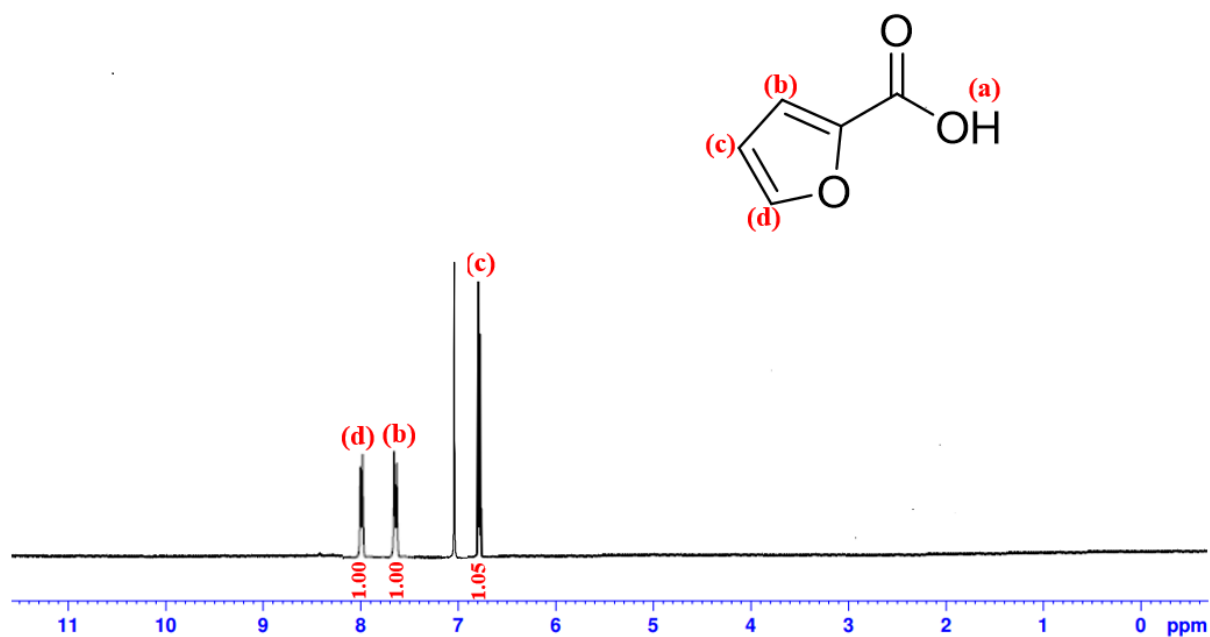


Figure S13. ¹H NMR spectrum of furan-2-carboxylic acid (Table 1, entry 9)

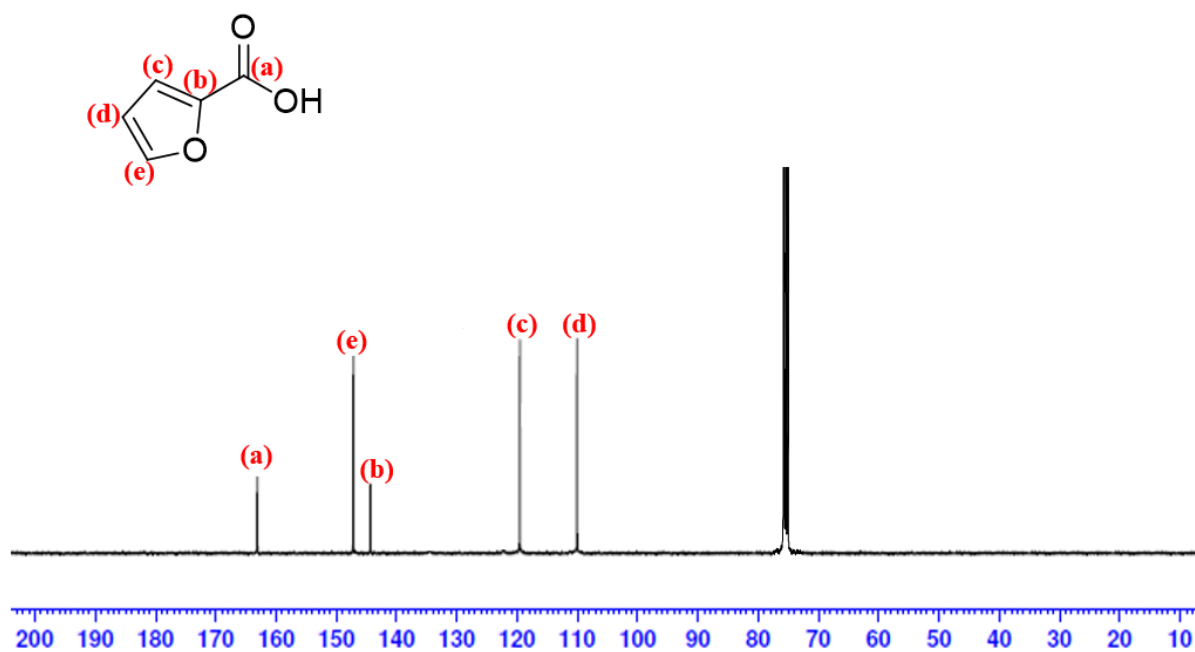


Figure S14. ¹³C NMR spectrum of furan-2-carboxylic acid (Table 1, entry 9)

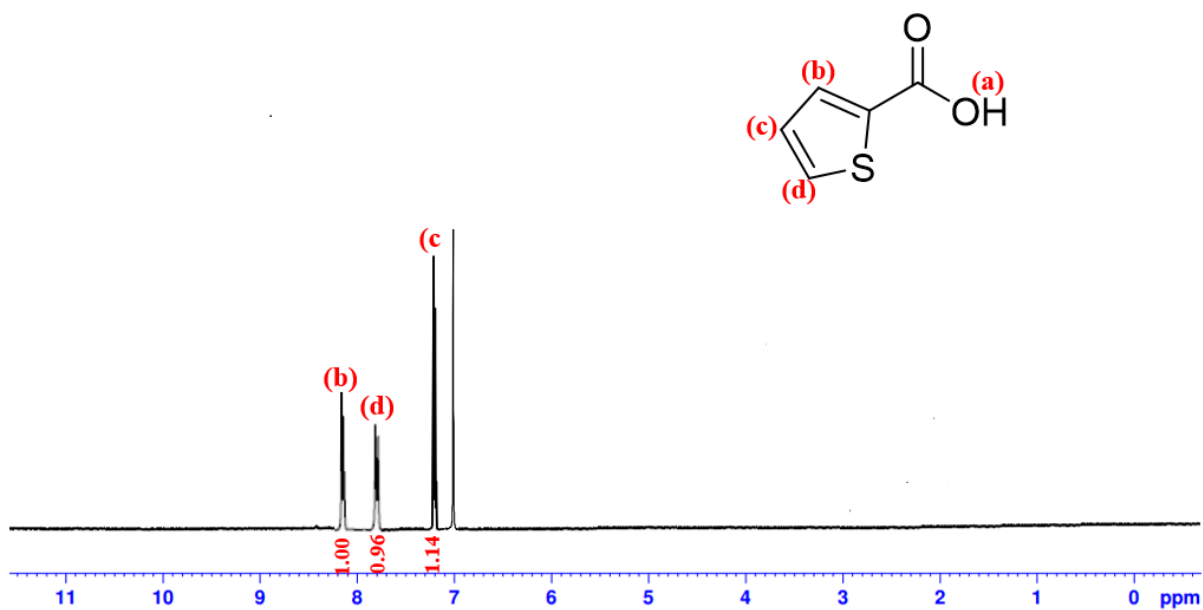


Figure S15. ¹H NMR spectrum of thiophene-2-carboxylic acid (Table 1, entry10)

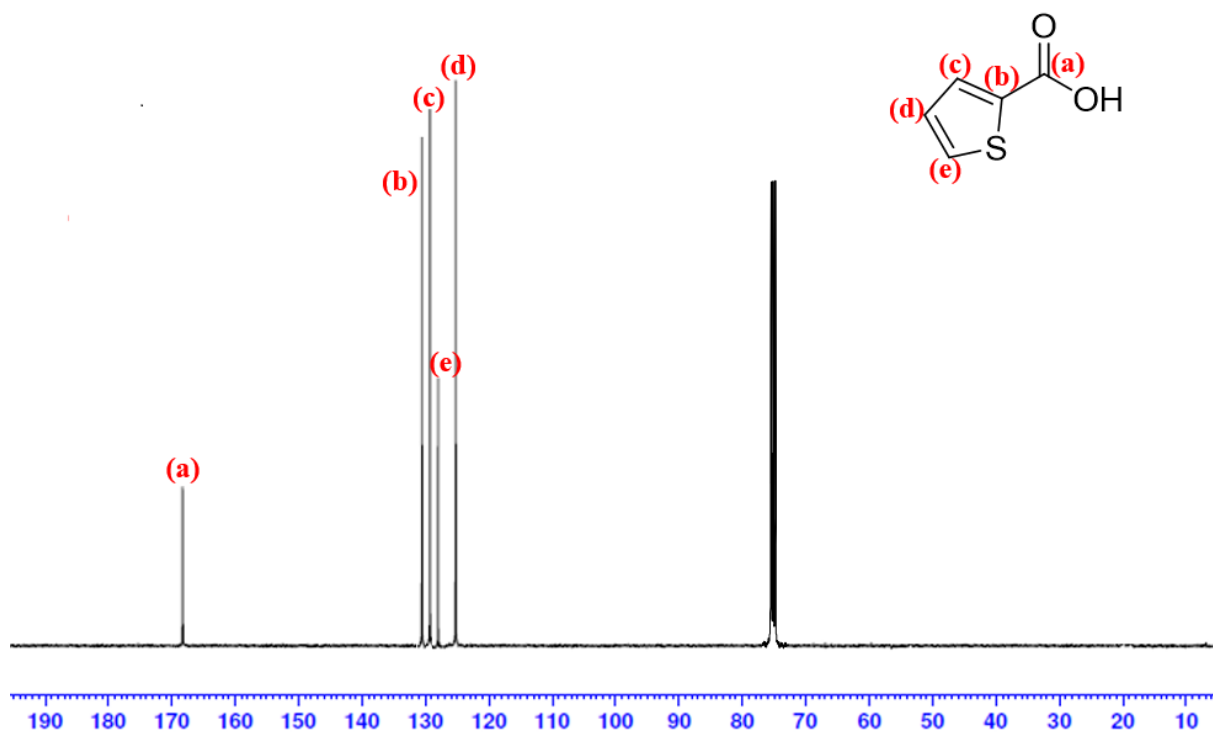


Figure S16. ¹³C NMR spectrum of thiophene-2-carboxylic acid (Table 1, entry 10)

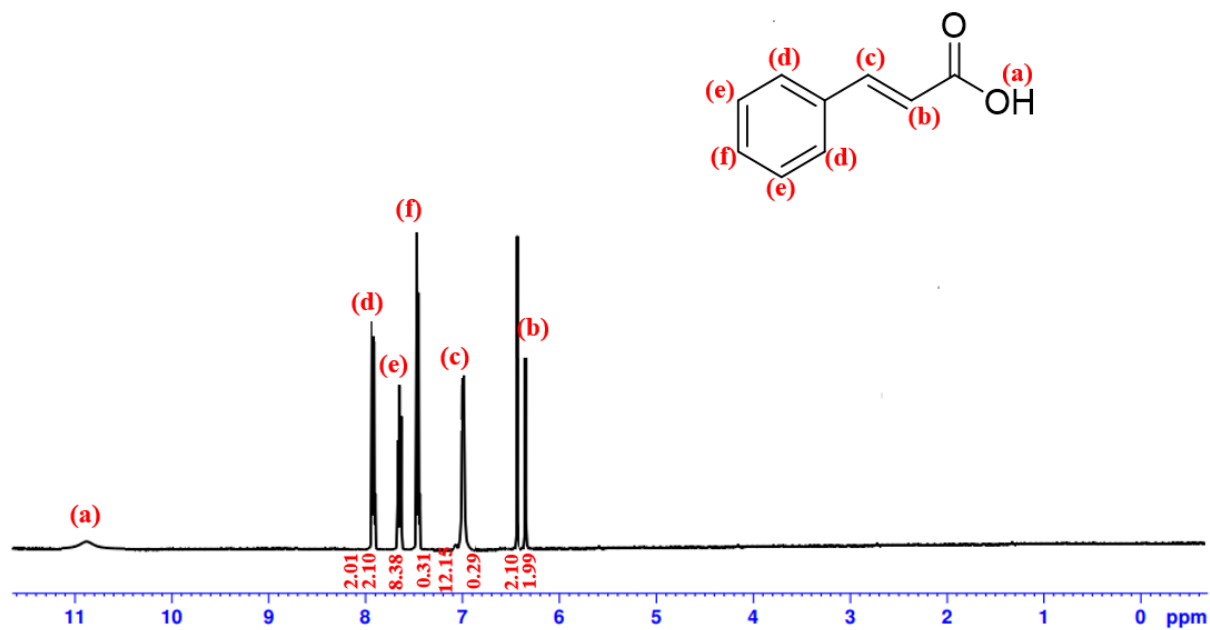


Figure S17. ¹H NMR spectrum of cinnamic acid (Table 1, entry11)

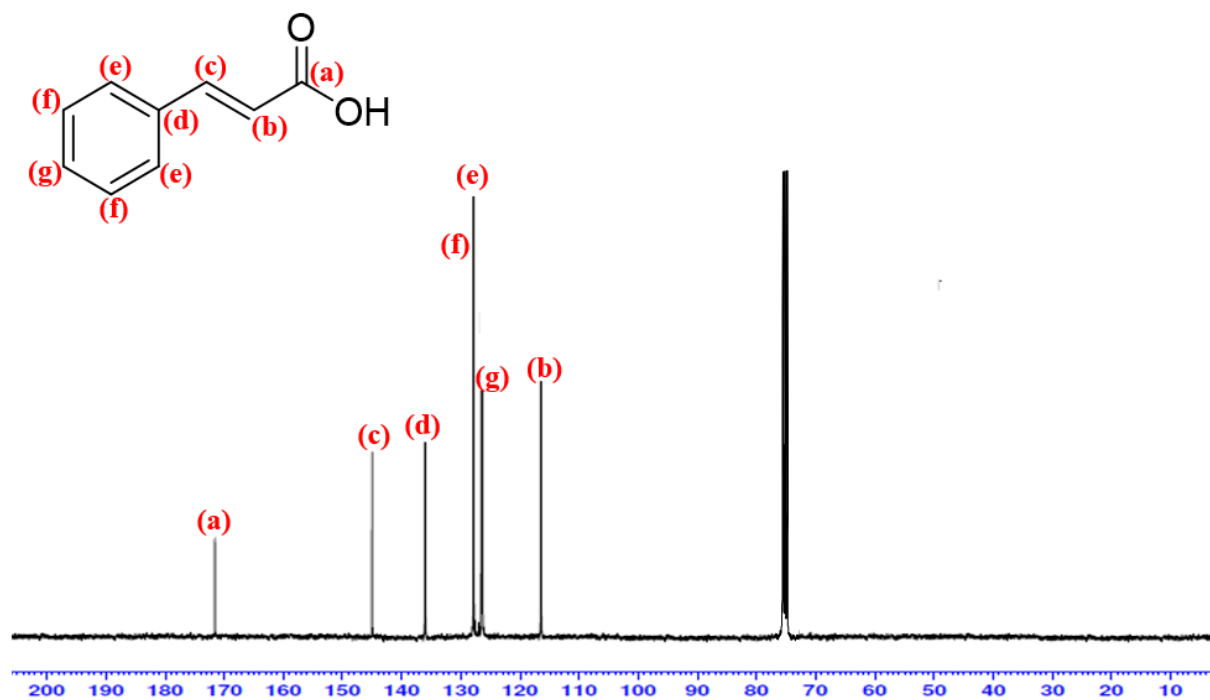


Figure S18. ¹³C NMR spectrum of cinnamic acid (Table 1, entry11)