

Supplementary Information

Solvent-Free Oxidation of Secondary Alcohols to Carbonyl Compounds by 1, 3-Dibromo-5, 5-Dimethylhydantoin (DBDMH) and 1, 3-Dichloro-5, 5-Dimethylhydantoin (DCDMH)

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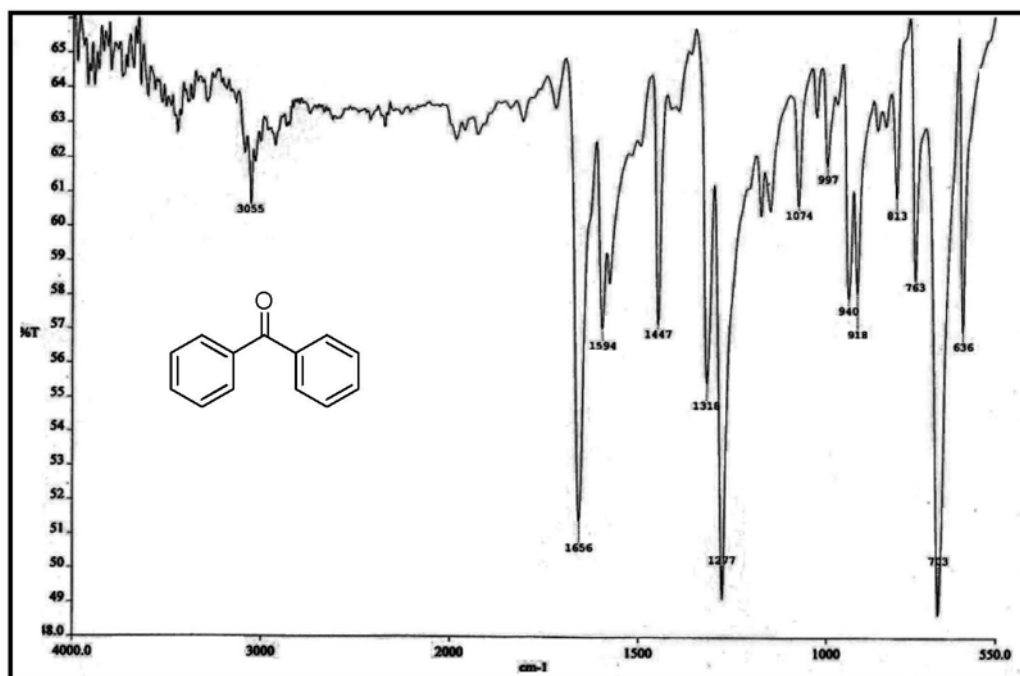


Figure S1. IR spectrum of benzophenone (KBr).

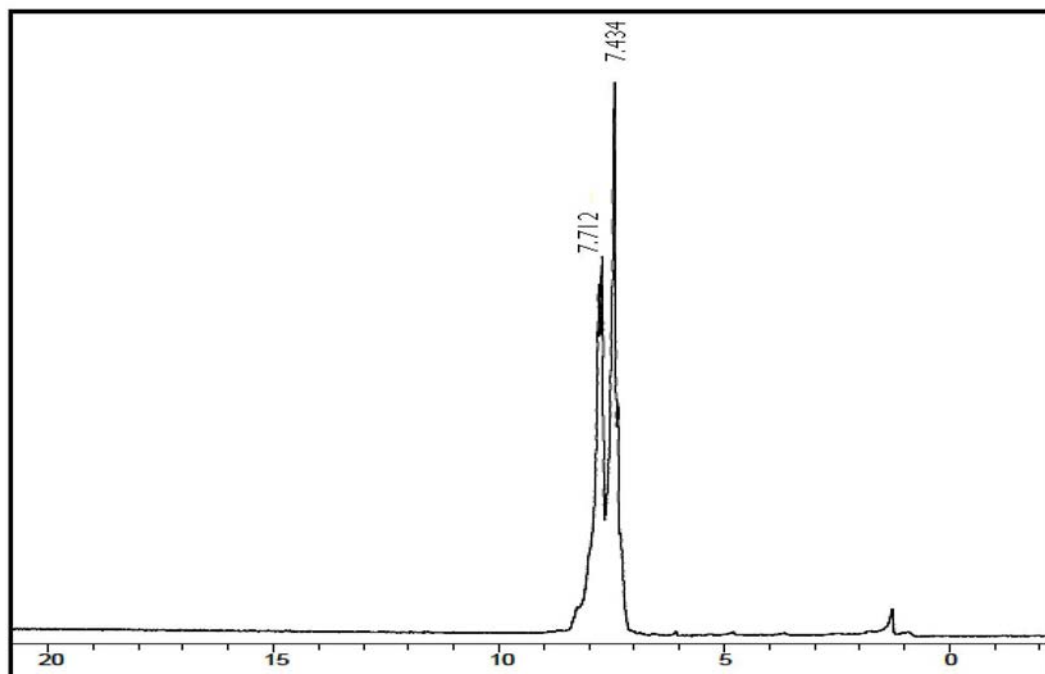


Figure S2. ¹H NMR (90 MHz, CDCl₃) spectrum of benzophenone.

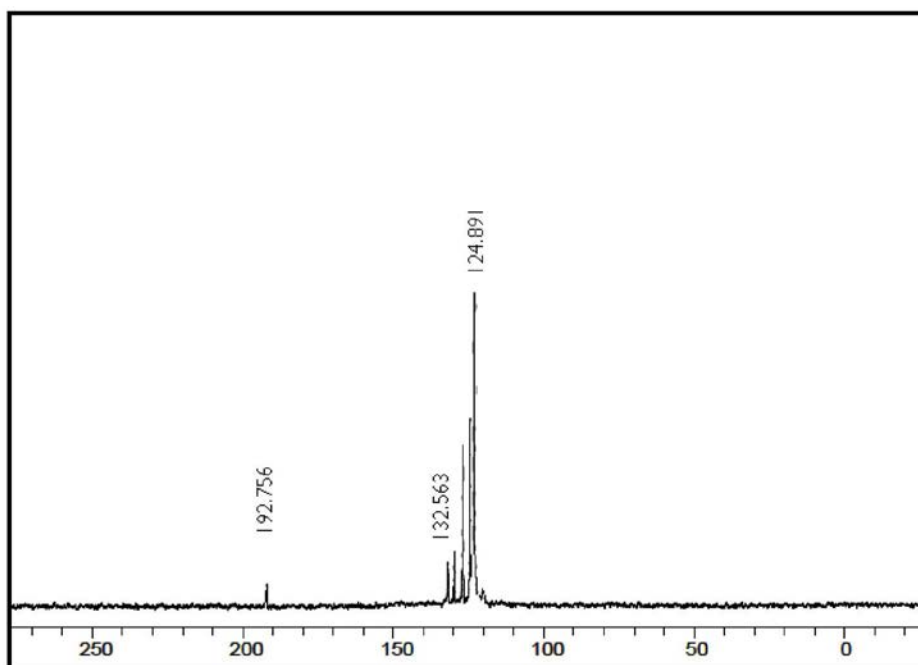


Figure S3. ¹³C NMR (90 MHz, CDCl₃) spectrum of benzophenone.

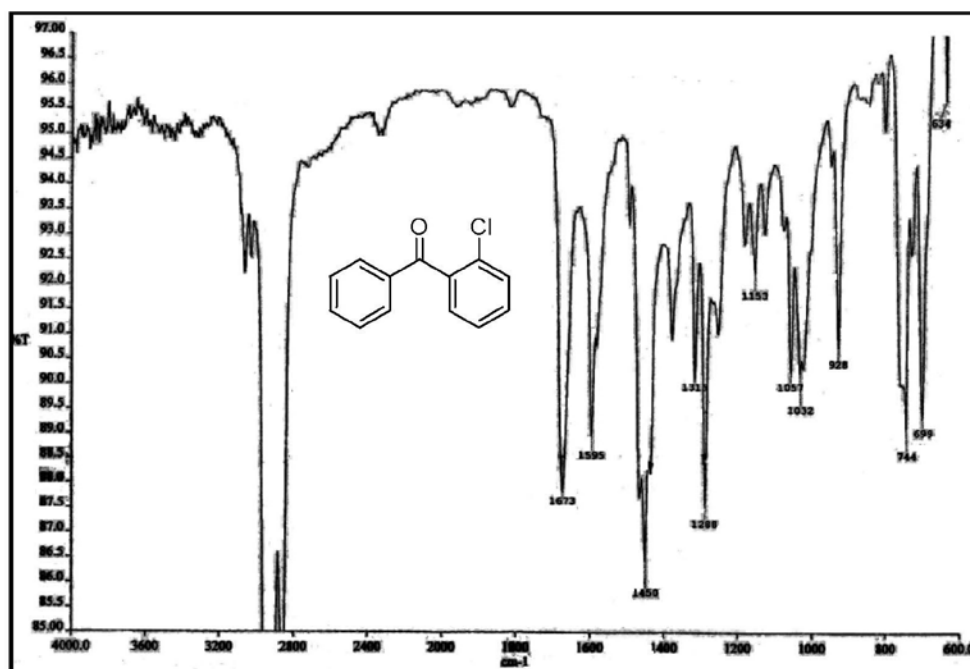


Figure S4. IR spectrum of 2-chlorobenzophenone (nujol).

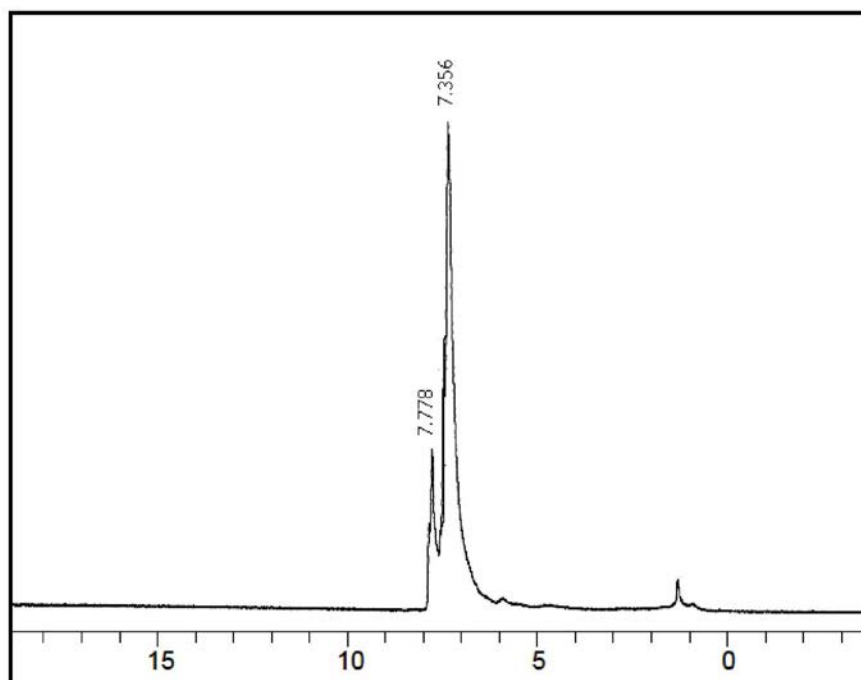


Figure S5. ¹H NMR (90 MHz, CDCl₃) spectrum of 2-chlorobenzophenone.

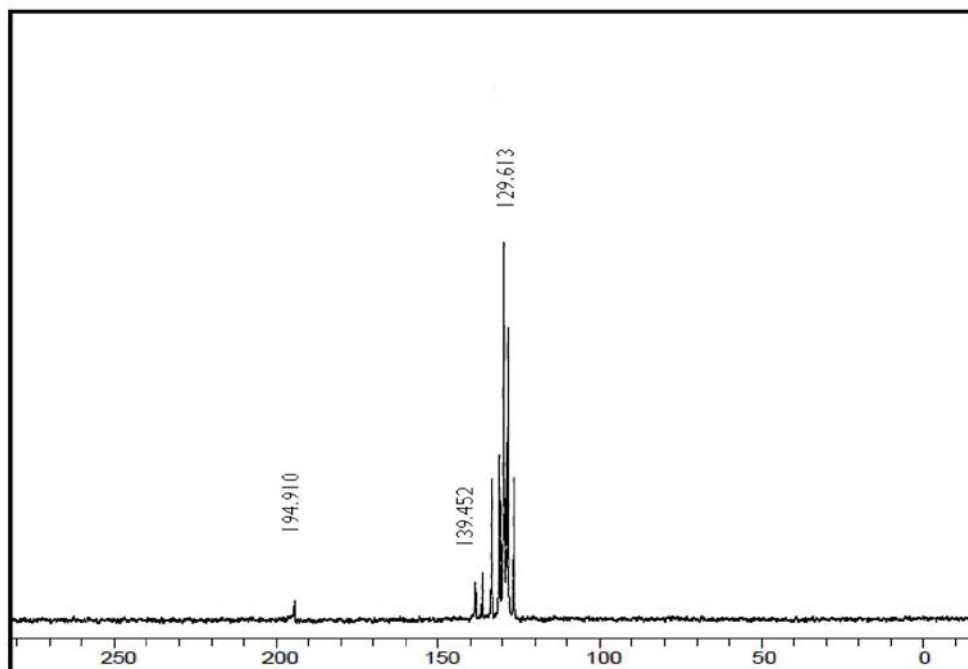


Figure S6. ¹³C NMR (90 MHz, CDCl₃) spectrum of 2-chlorobenzophenone.

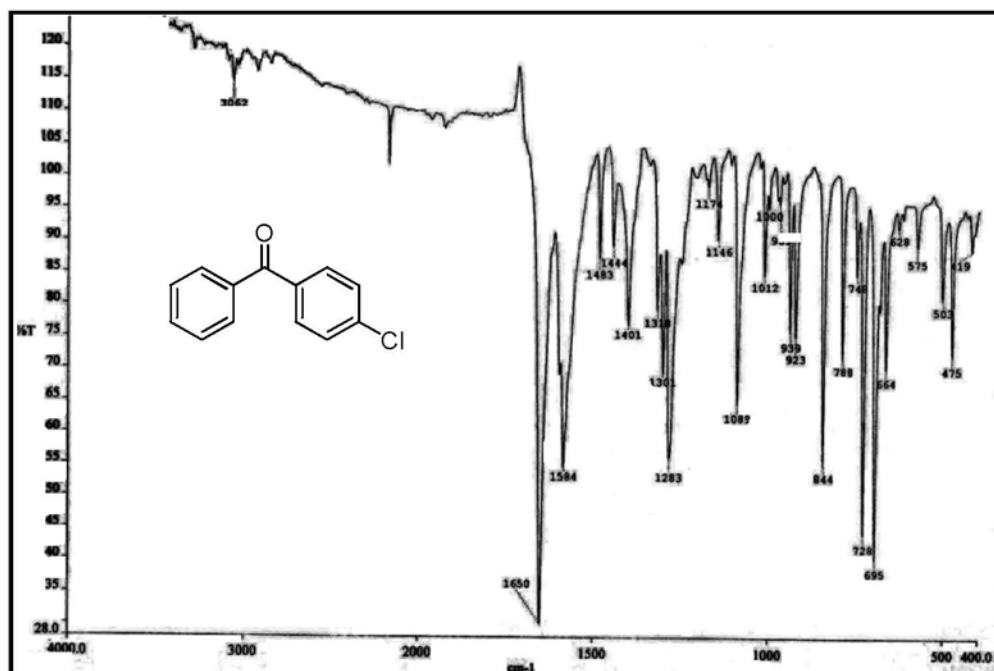


Figure S7. IR spectrum of 4-chlorobenzophenone (KBr).

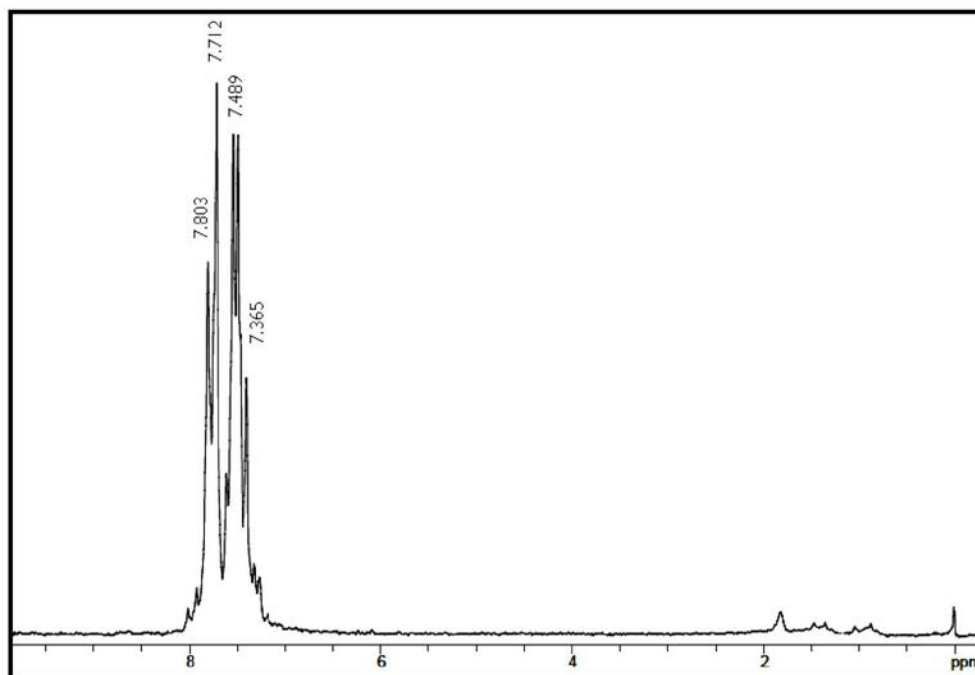


Figure S8. ¹H NMR (90 MHz, CDCl₃) spectrum of 4-chlorobenzophenone.

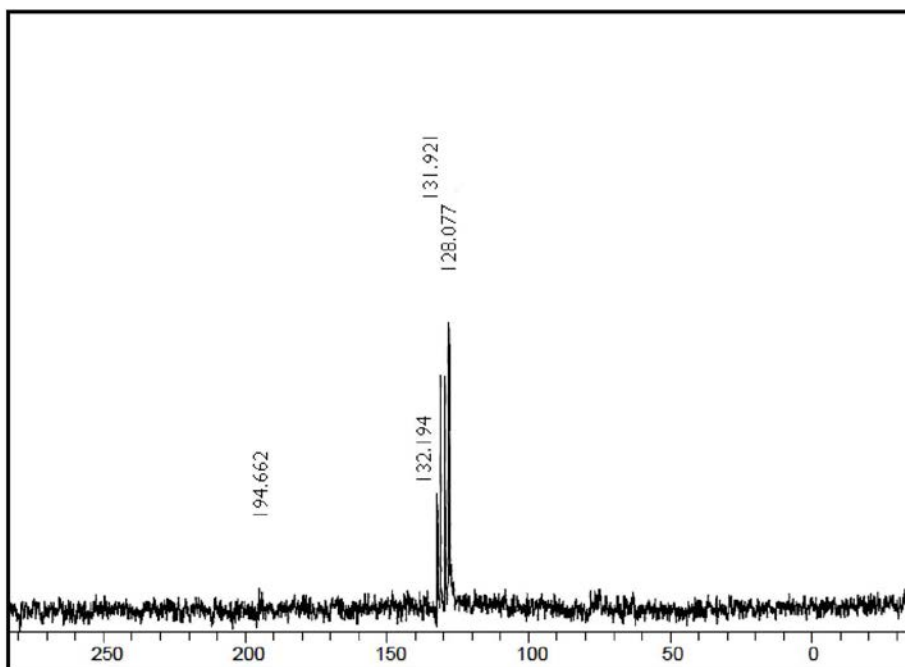


Figure S9. ¹³C NMR (90 MHz, CDCl₃) spectrum of 4-chlorobenzophenone.

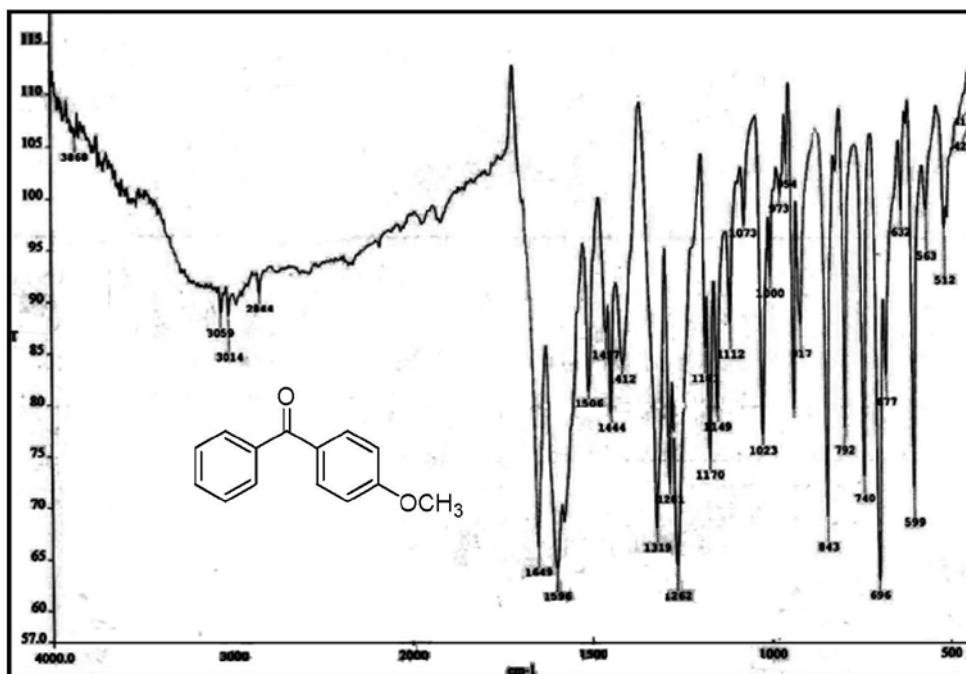


Figure S10. IR spectrum of 4-methoxybenzophenone (KBr).

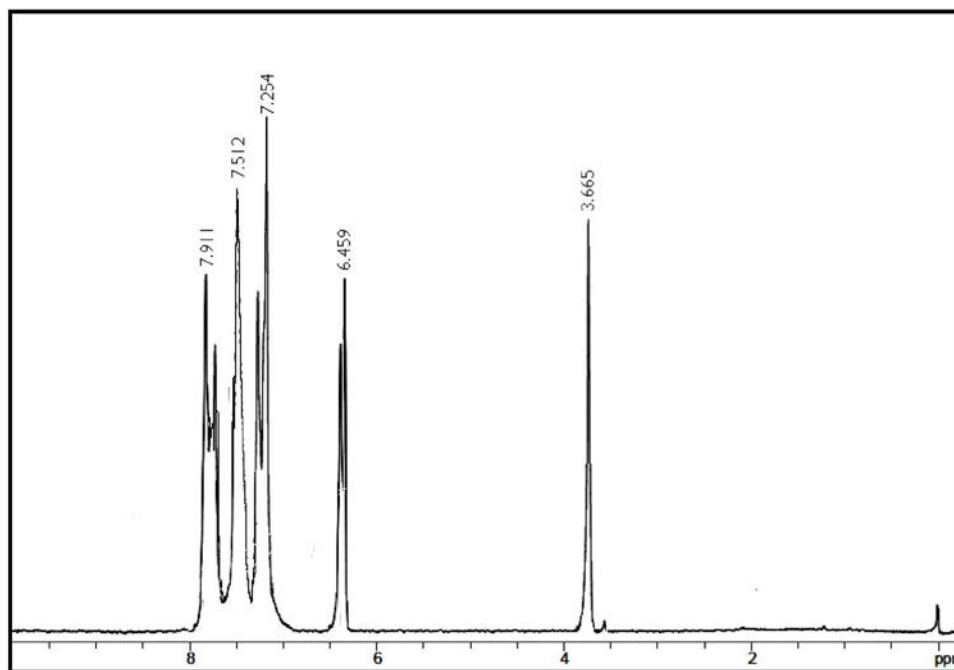


Figure S11. ¹H NMR (90 MHz, CDCl₃) spectrum of 4-methoxybenzophenone.

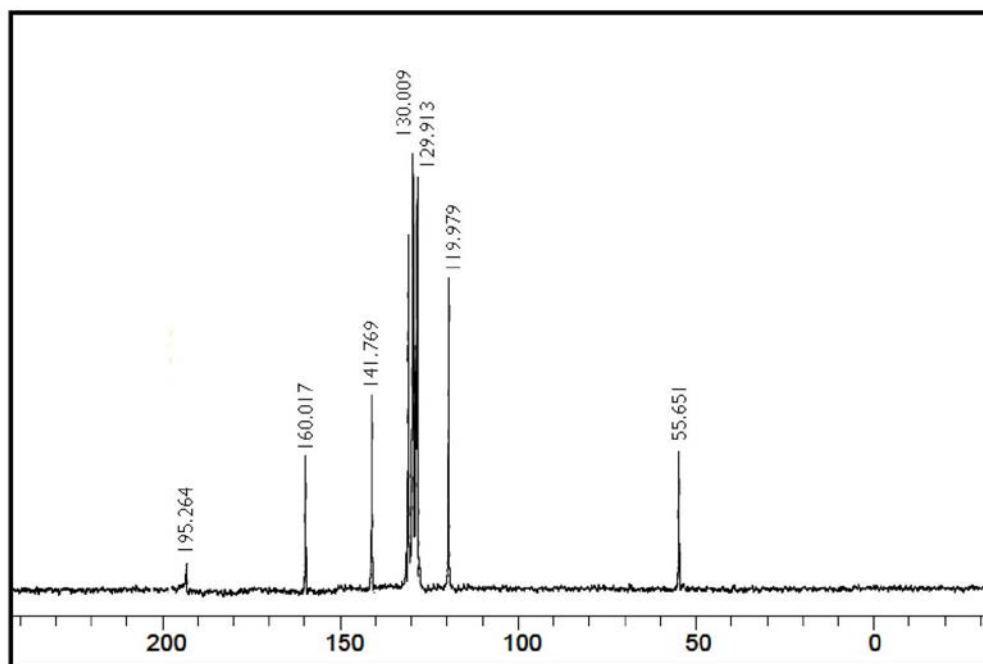


Figure S12. ¹³C NMR (90 MHz, CDCl₃) spectrum of 4-methoxybenzophenone.

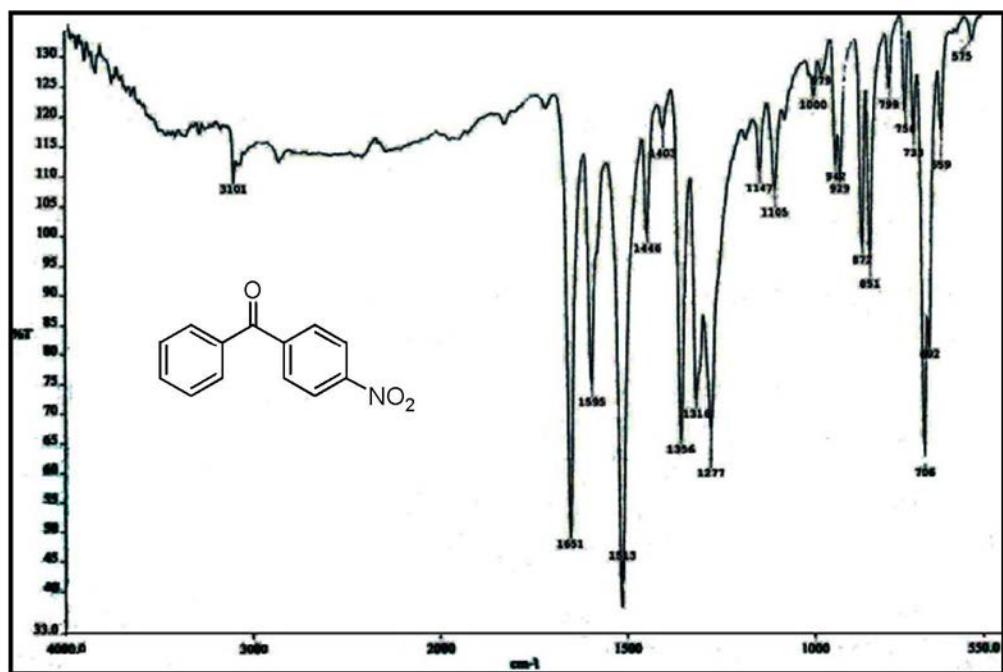


Figure S13. IR spectrum of 4-nitrobenzophenone (KBr).

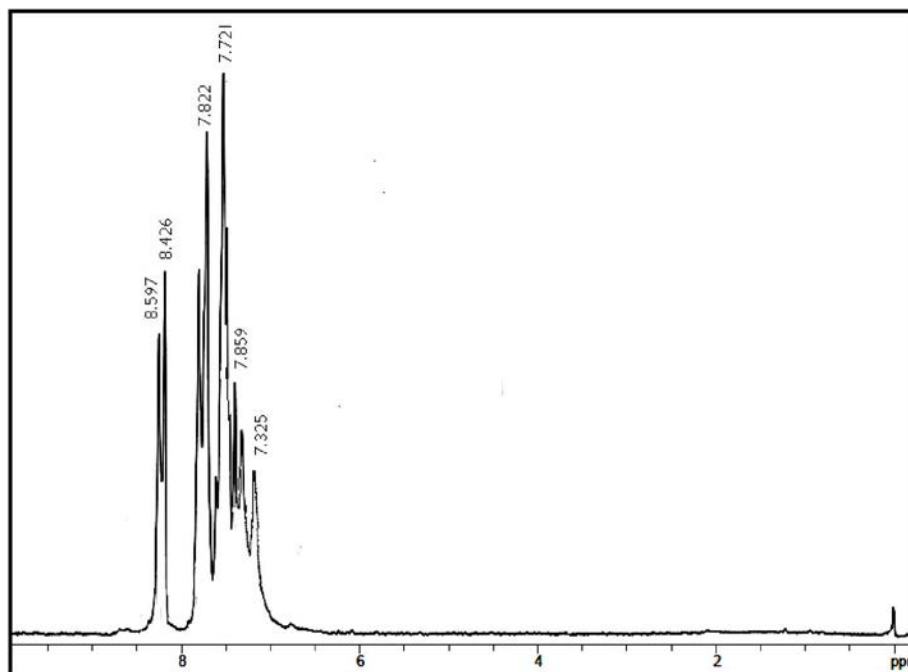


Figure S14. ^1H NMR (90 MHz, CDCl_3) spectrum of 4-nitrobenzophenone.

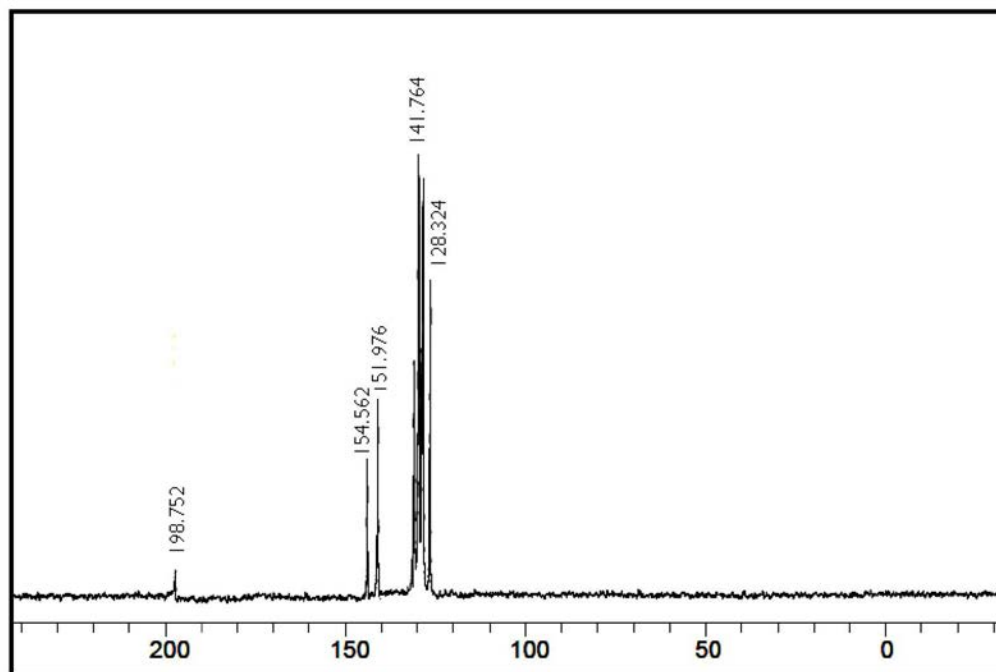


Figure S15. ^{13}C NMR (90 MHz, CDCl_3) spectrum of 4-nitrobenzophenone.

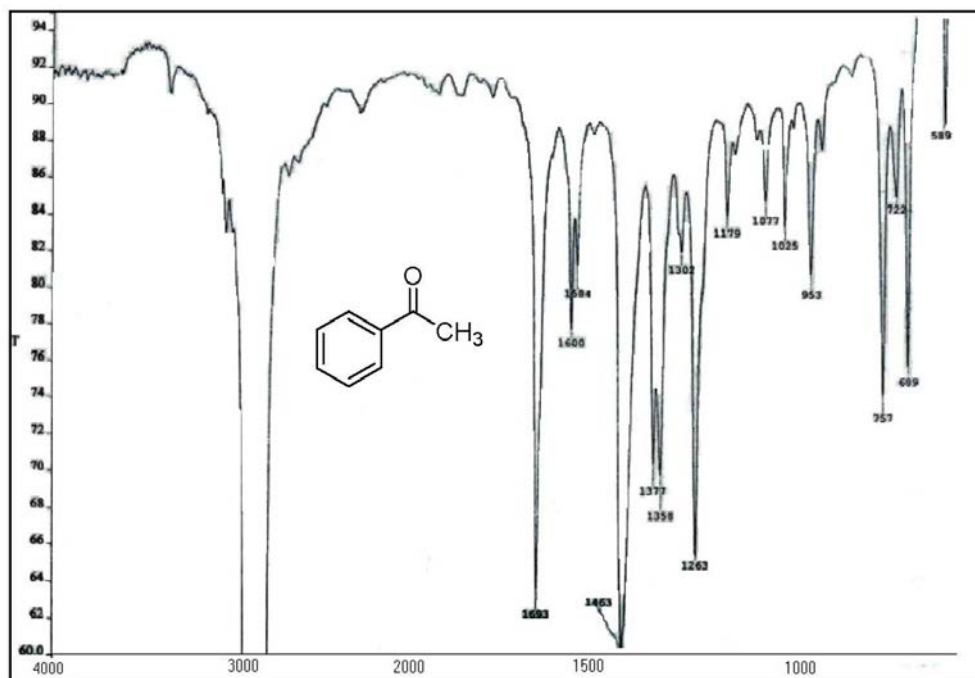


Figure S16. IR spectrum of acetophenone (nujol).

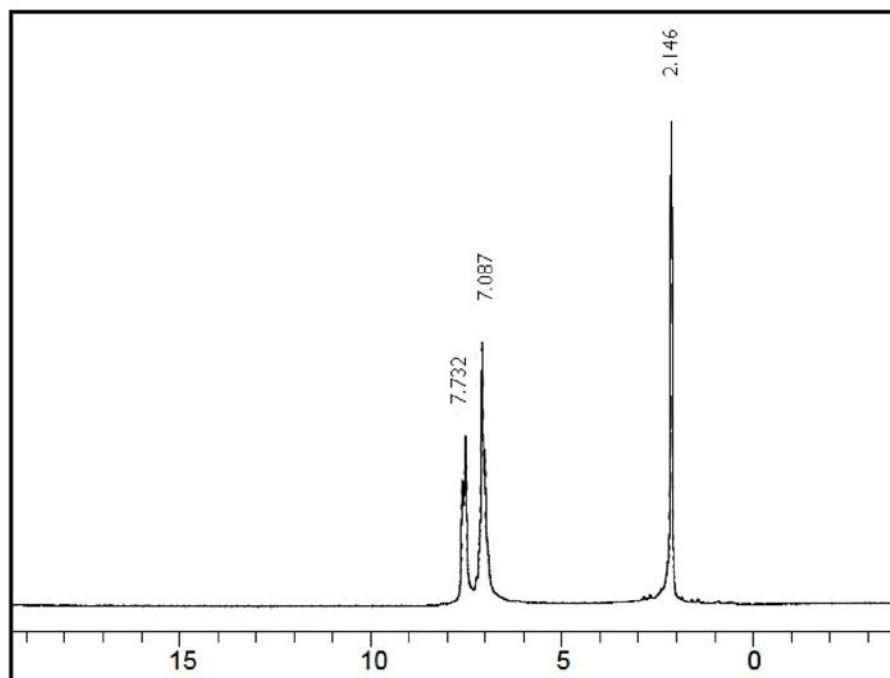


Figure S17. ¹H NMR (90 MHz, CDCl₃) spectrum of acetophenone.

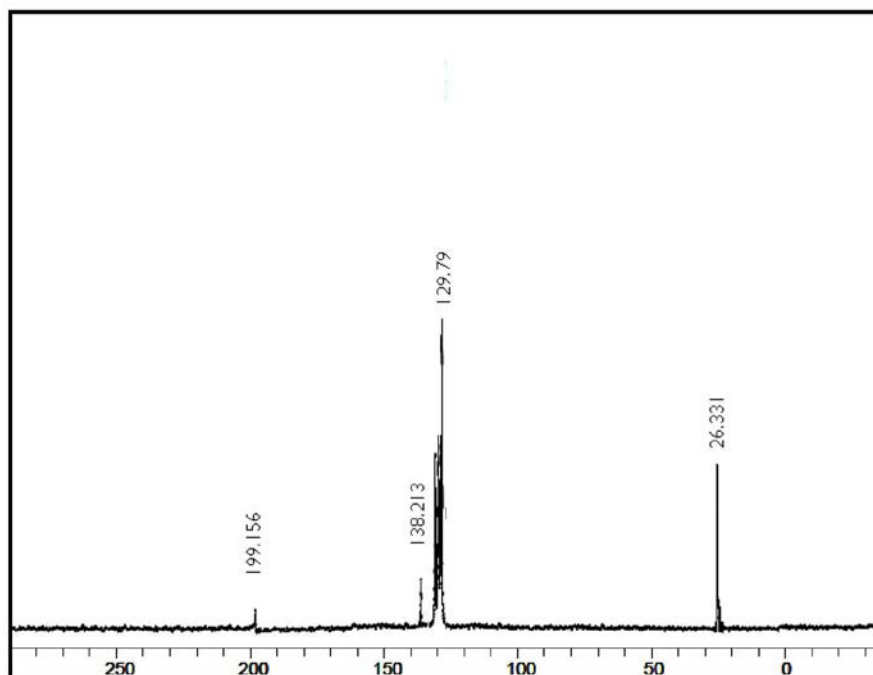


Figure S18. ^{13}C NMR (90 MHz, CDCl_3) spectrum of acetophenone.

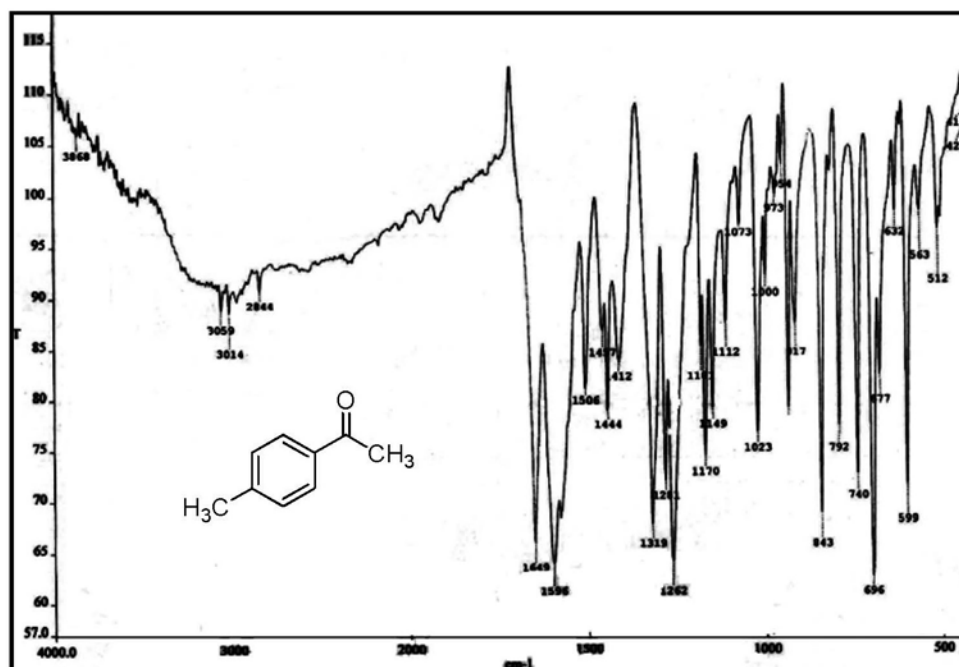


Figure S19. IR spectrum of 4-methylacetophenone (nujol).

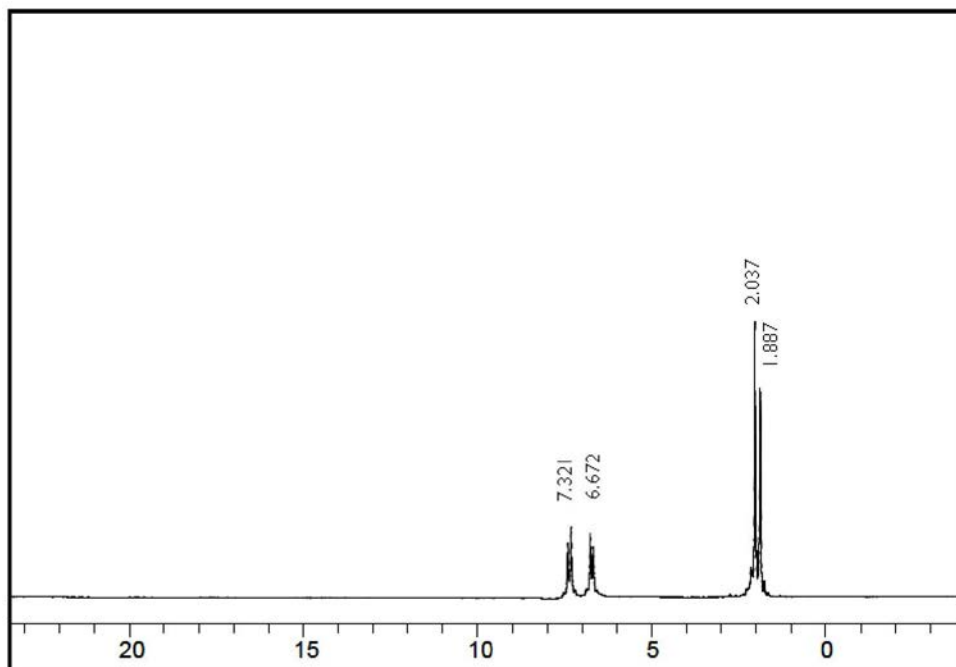


Figure S20. ¹H NMR (90 MHz, CDCl₃) spectrum of 4-methylacetophenone.

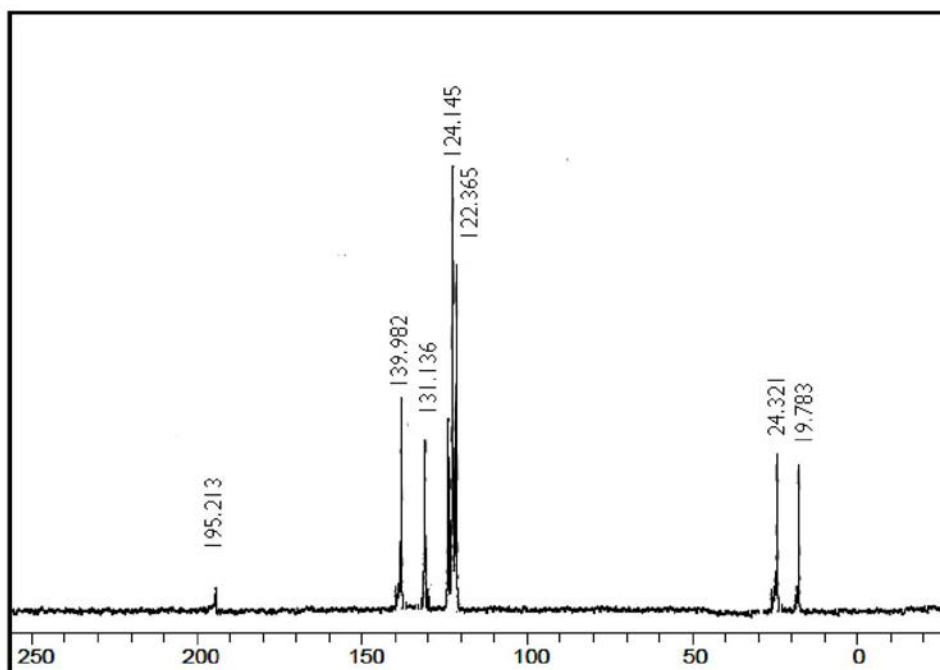


Figure S21. ¹³C NMR (90 MHz, CDCl₃) spectrum of 4-methylacetophenone.

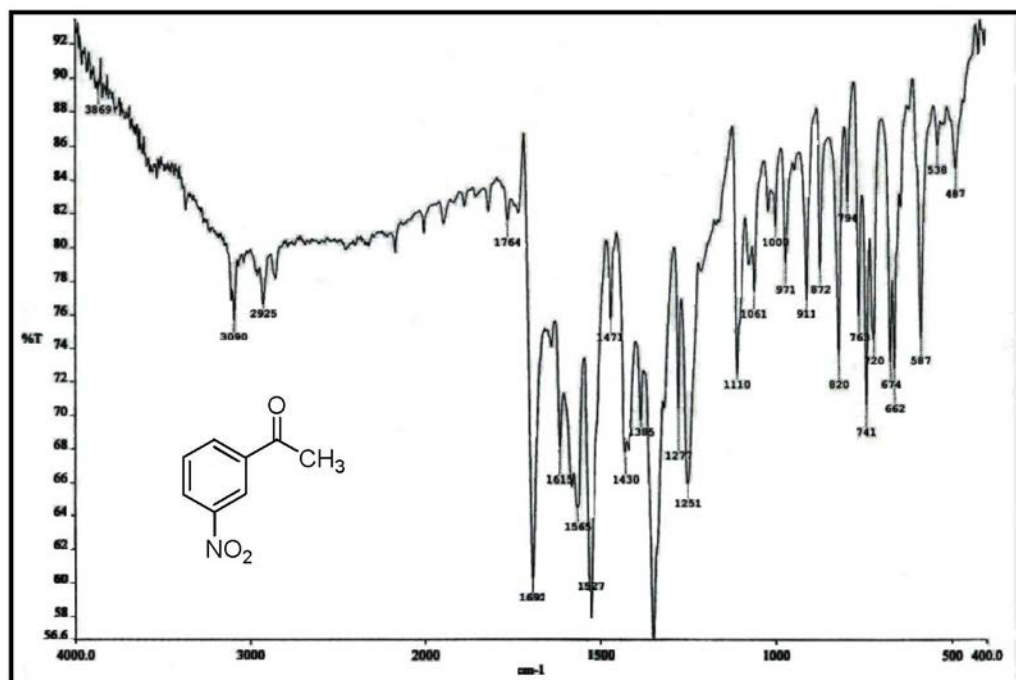


Figure S22. IR spectrum of 3-nitroacetophenone (KBr).

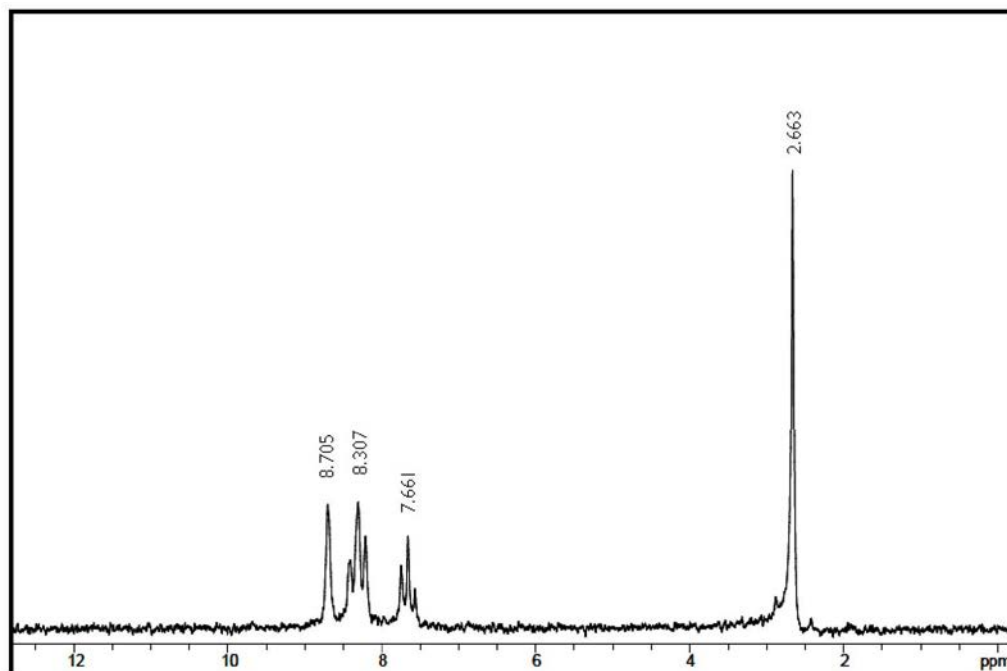


Figure S23. ¹H NMR (90 MHz, CDCl₃) spectrum of 3-nitroacetophenone.

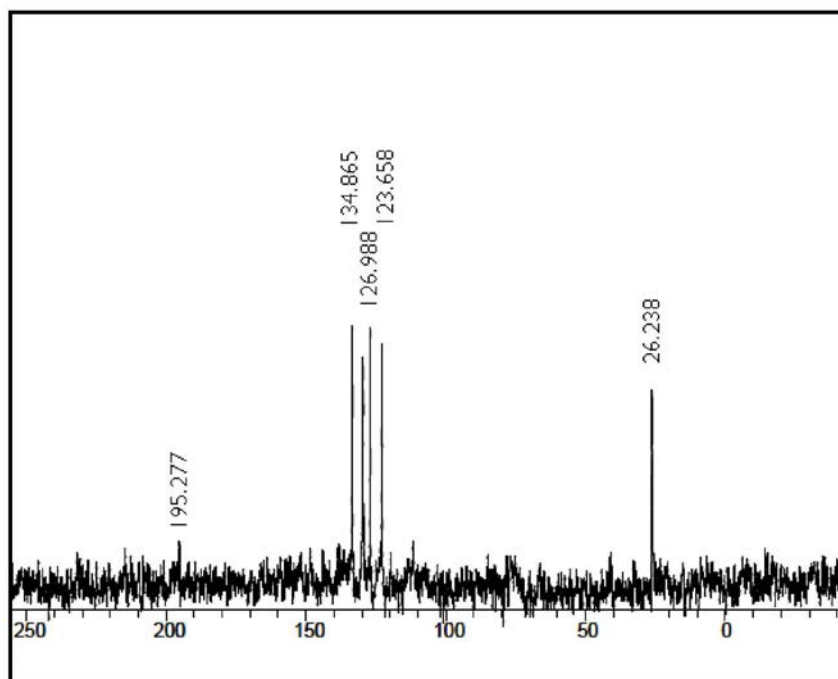


Figure S24. ^{13}C NMR (90 MHz, CDCl_3) spectrum of 3-nitroacetophenone.