Supplementary Materials

1. Characterization of Palladium(II) Complex 2

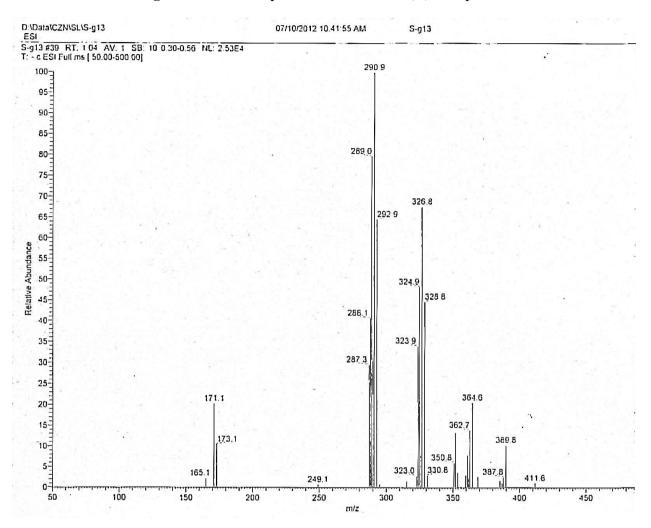


Figure S1. ES-MS spectrum of Palladium(II) Complex 2.

2. Characterization of the Products

Figure S2. Copy of ¹H-NMR for 4,4'-dimethylbiphenyl.

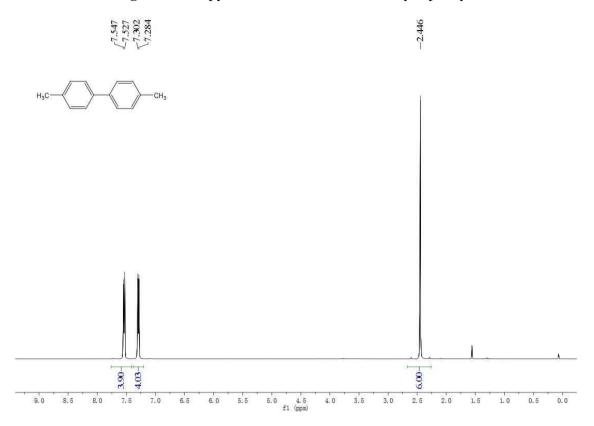
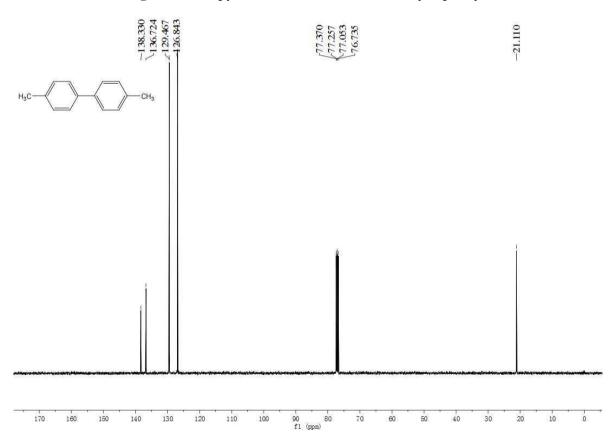
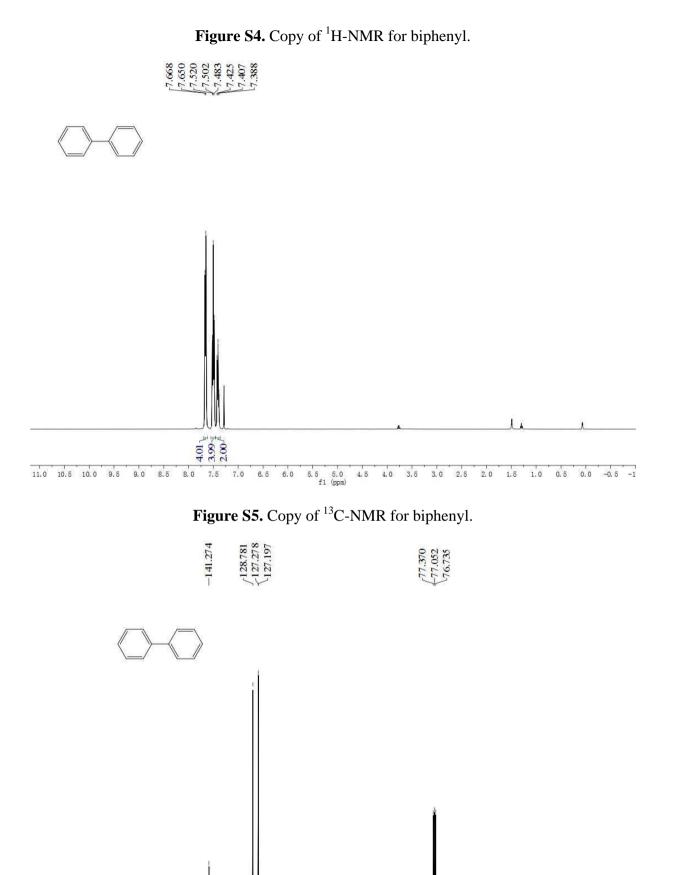
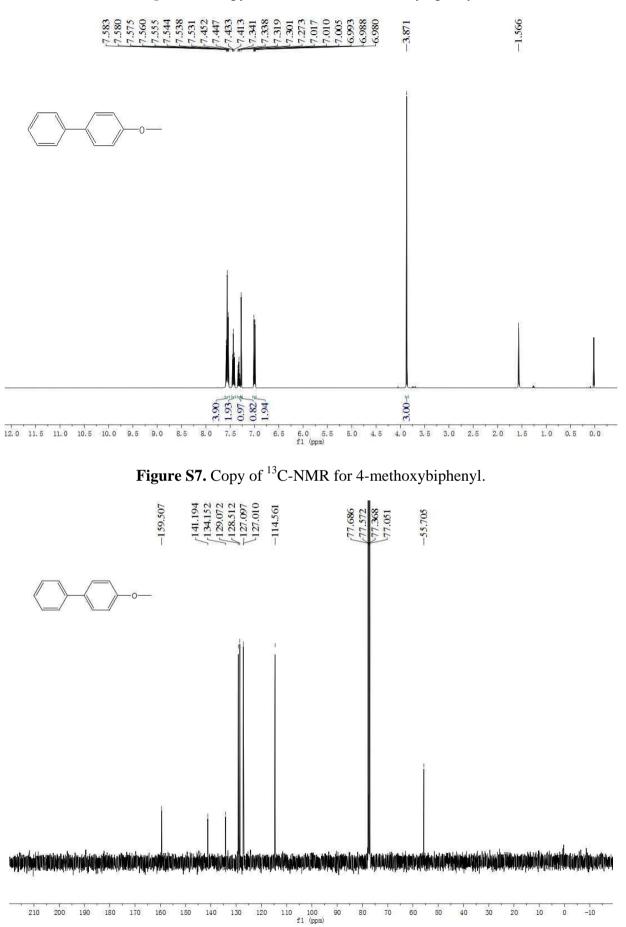


Figure S3. Copy of ¹³C-NMR for 4,4'-dimethylbiphenyl.





110 100 f1 (ppm)



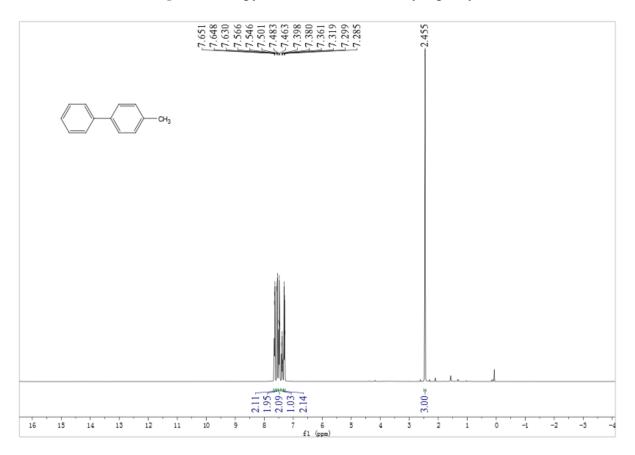
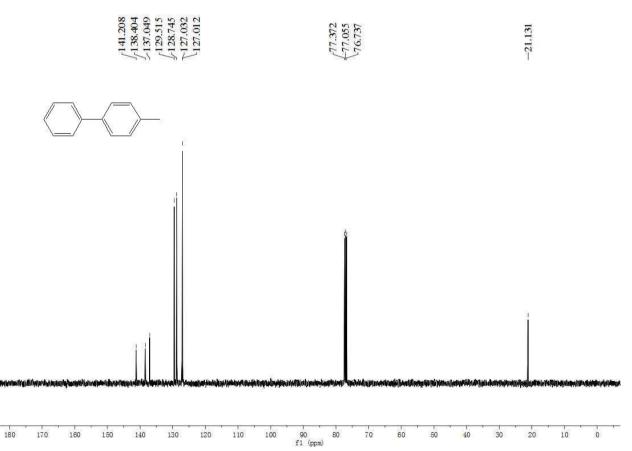


Figure S8. Copy of ¹H-NMR for 4-methylbiphenyl.

Figure S9. Copy of ¹³C-NMR for 4-methylbiphenyl.



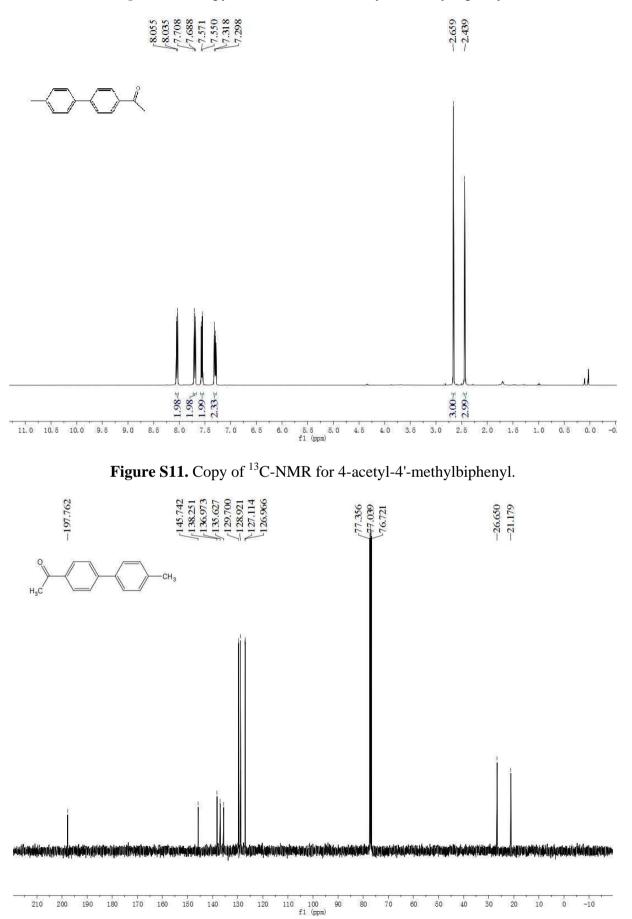


Figure S10. Copy of ¹H-NMR for 4-acetyl-4'-methylbiphenyl.

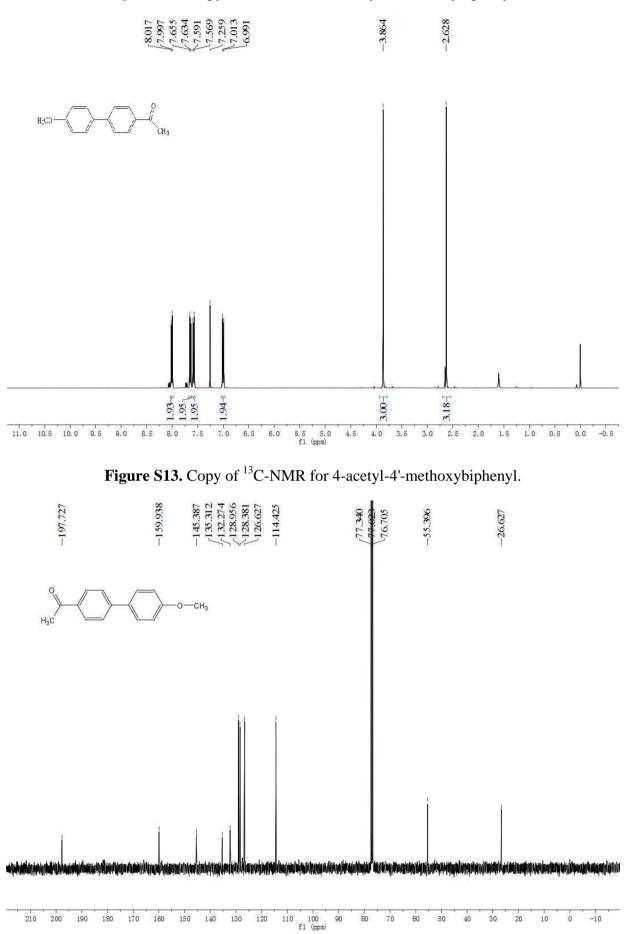


Figure S12. Copy of ¹H-NMR for 4-acetyl-4'-methoxybiphenyl.

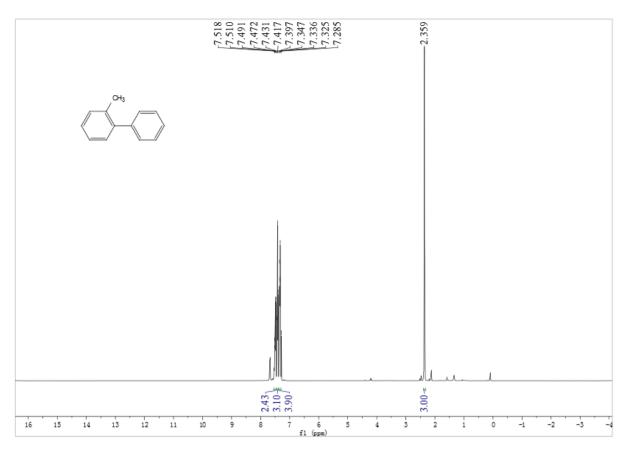
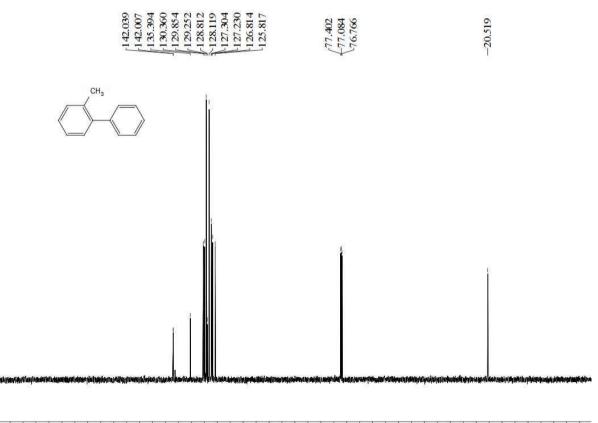


Figure S14. Copy of ¹H-NMR for 2-methylbiphenyl.

Figure S15. Copy of ¹³C-NMR for 2-methylbiphenyl.



110 100 f1 (ppm) -10

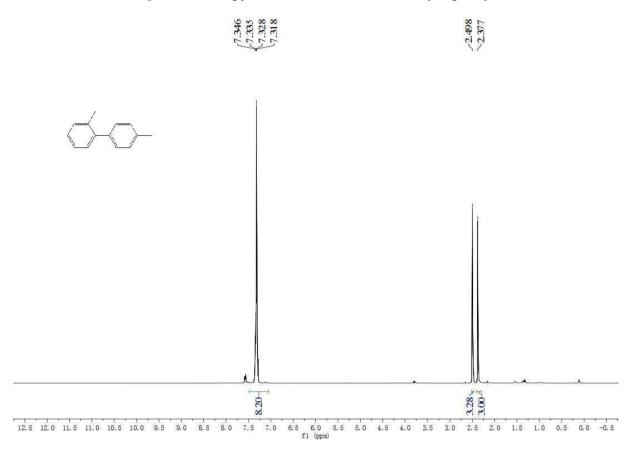
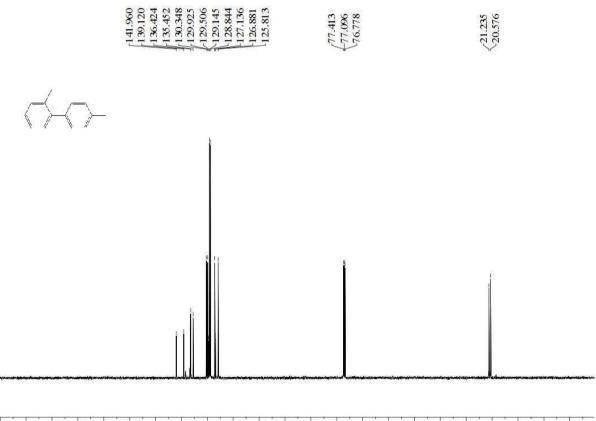


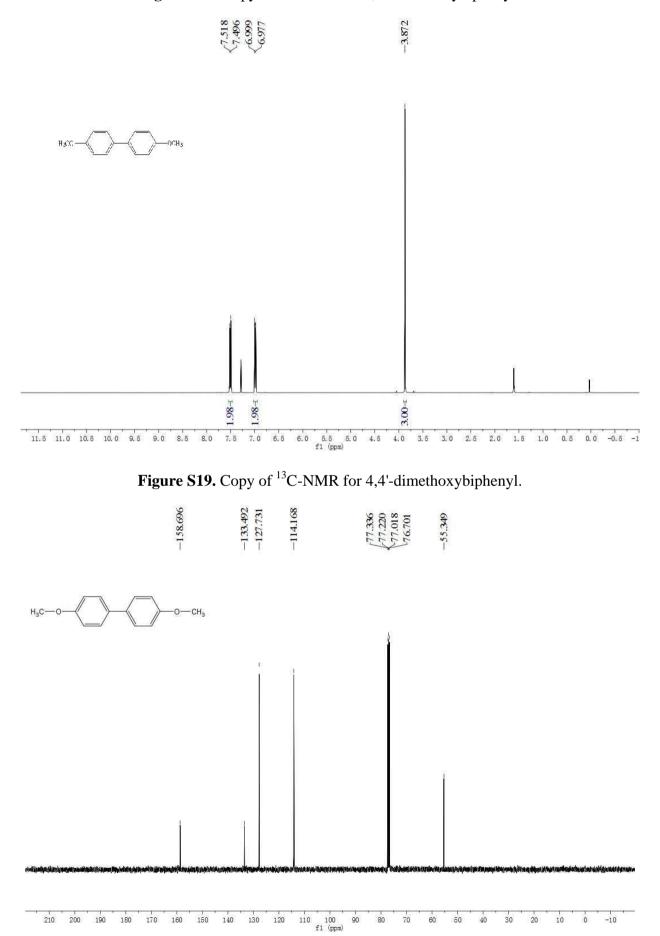
Figure S16. Copy of ¹H-NMR for 2,4'-dimethylbiphenyl.





110 100 f1 (ppm) -10 130 120

Figure S18. Copy of ¹H-NMR for 4,4'-dimethoxybiphenyl.



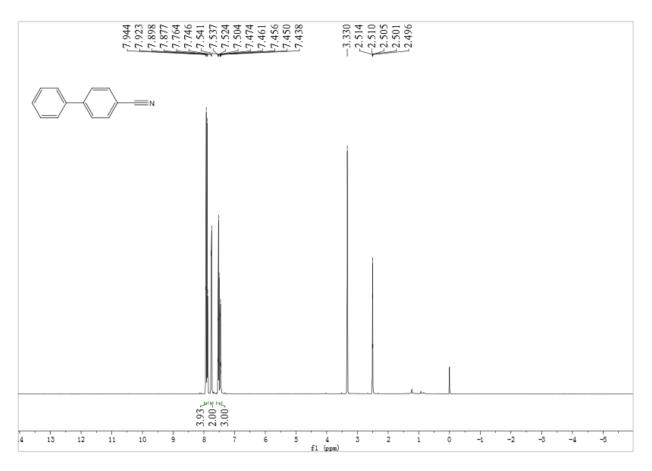
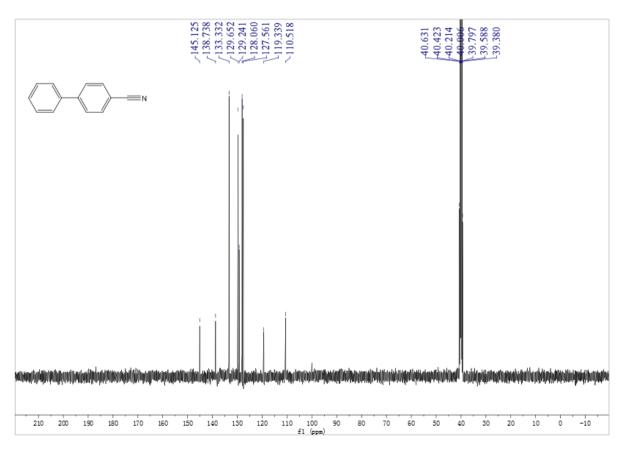


Figure S20. Copy of ¹H-NMR for 4-cyanobiphenyl.

Figure S21. Copy of ¹³C-NMR for 4-cyanobiphenyl.



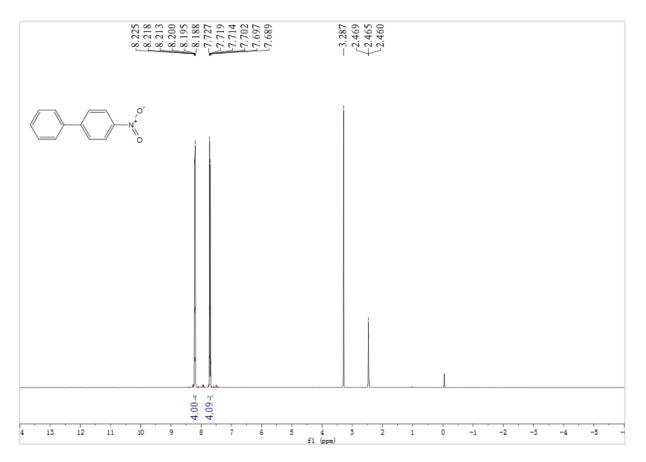
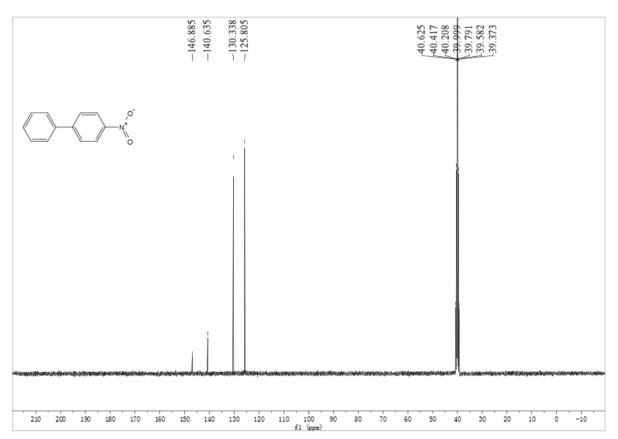


Figure S22. Copy of ¹H-NMR for 4-nitrobiphenyl.

Figure S23. Copy of ¹³C-NMR for 4-nitrobiphenyl.



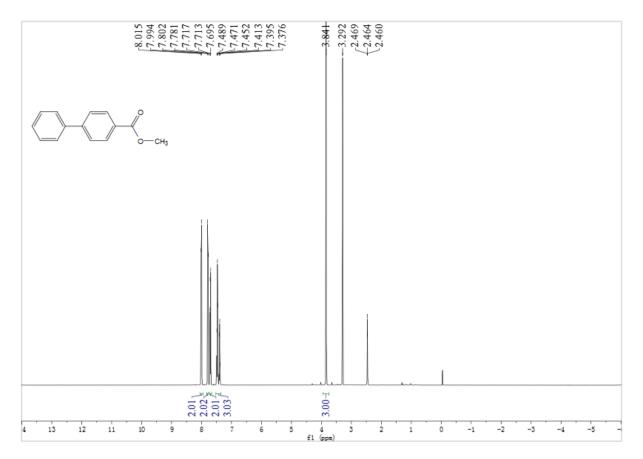
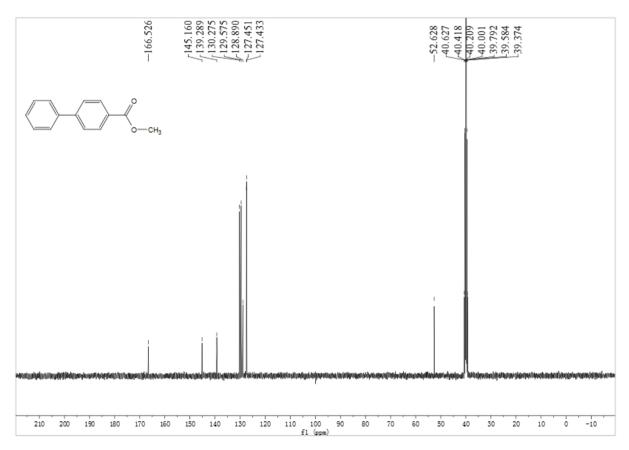


Figure S24. Copy of ¹H-NMR for Methyl biphenyl-4-carboxylate.

Figure S25. Copy of ¹³C-NMR for Methyl biphenyl-4-carboxylate.



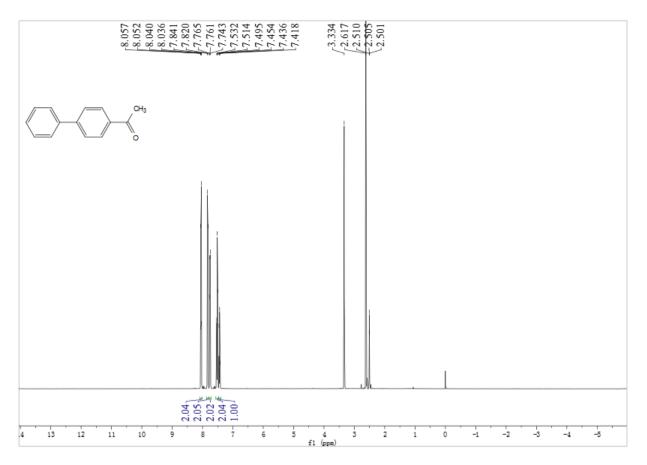


Figure S26. Copy of ¹H-NMR for 4-acetylbiphenyl.



