

# Supplementary Materials: A Well-Defined $\{[(\text{PhCH}_2\text{O})_2\text{P}(\text{CH}_3)_2\text{CHNCH}(\text{CH}_3)_2]_2\text{PdCl}_2\}$ Complex Catalyzed Hiyama Coupling of Aryl Bromides with Arylsilanes

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NMR spectra was recorded on a Bruker Avance III (400 MHz) spectrometer using DMSO as the solvent.

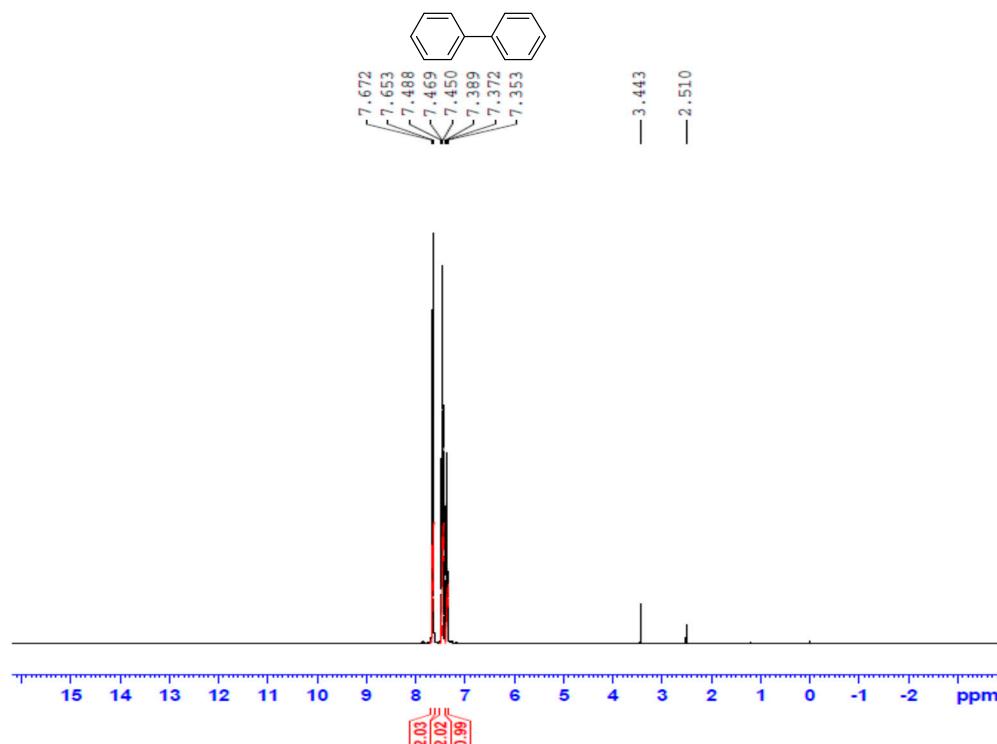
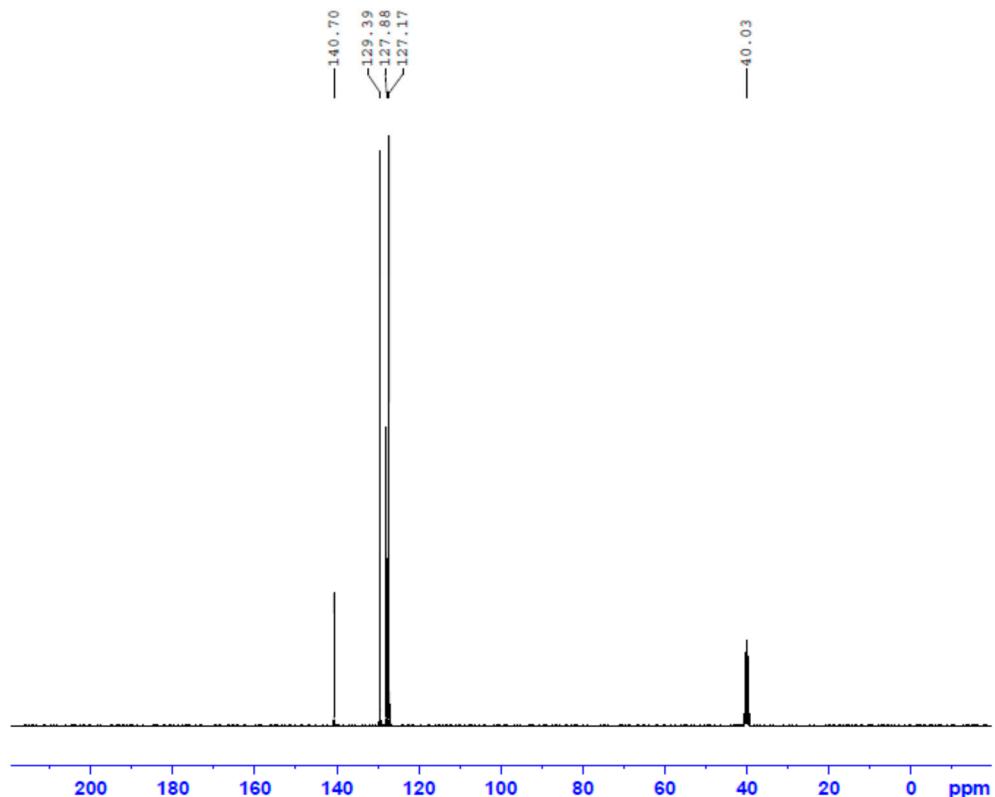
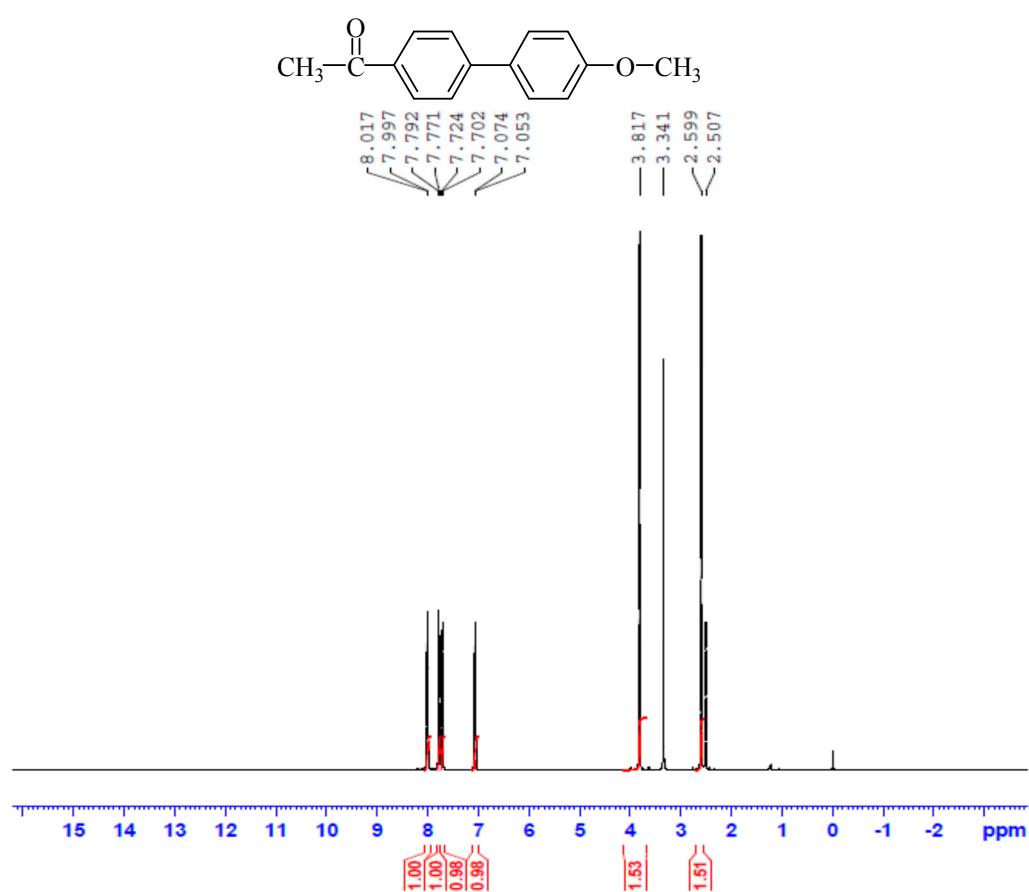


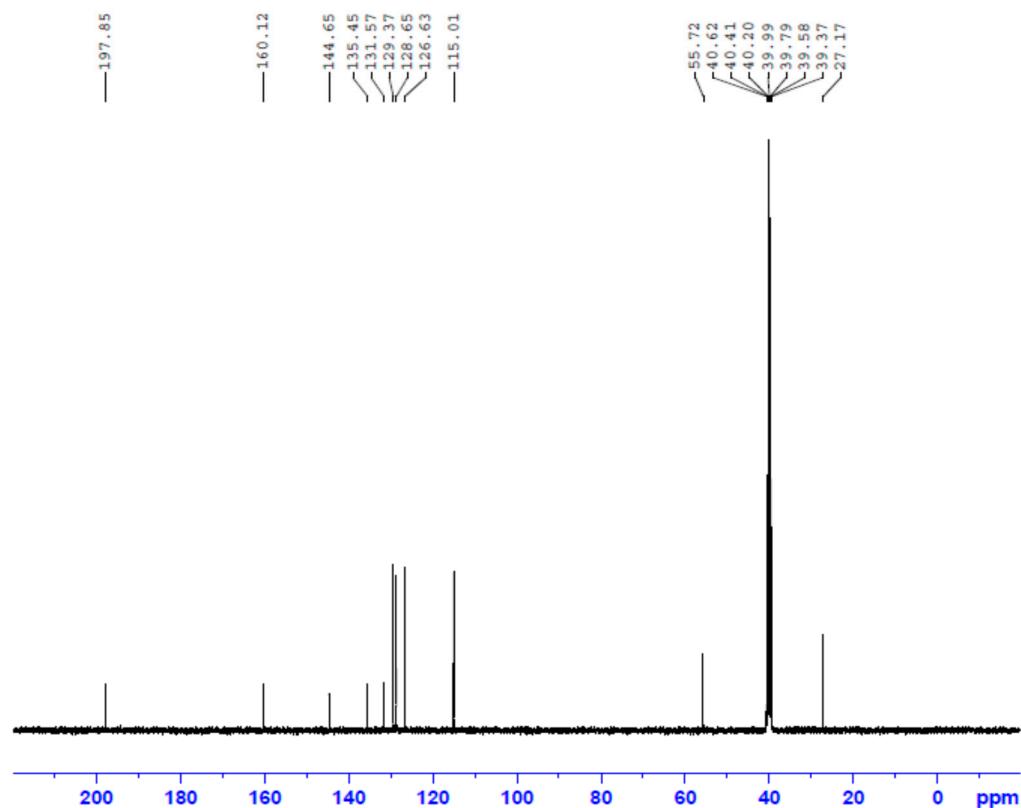
Figure S1.  $^1\text{H}$ -NMR spectra of Biphenyl.



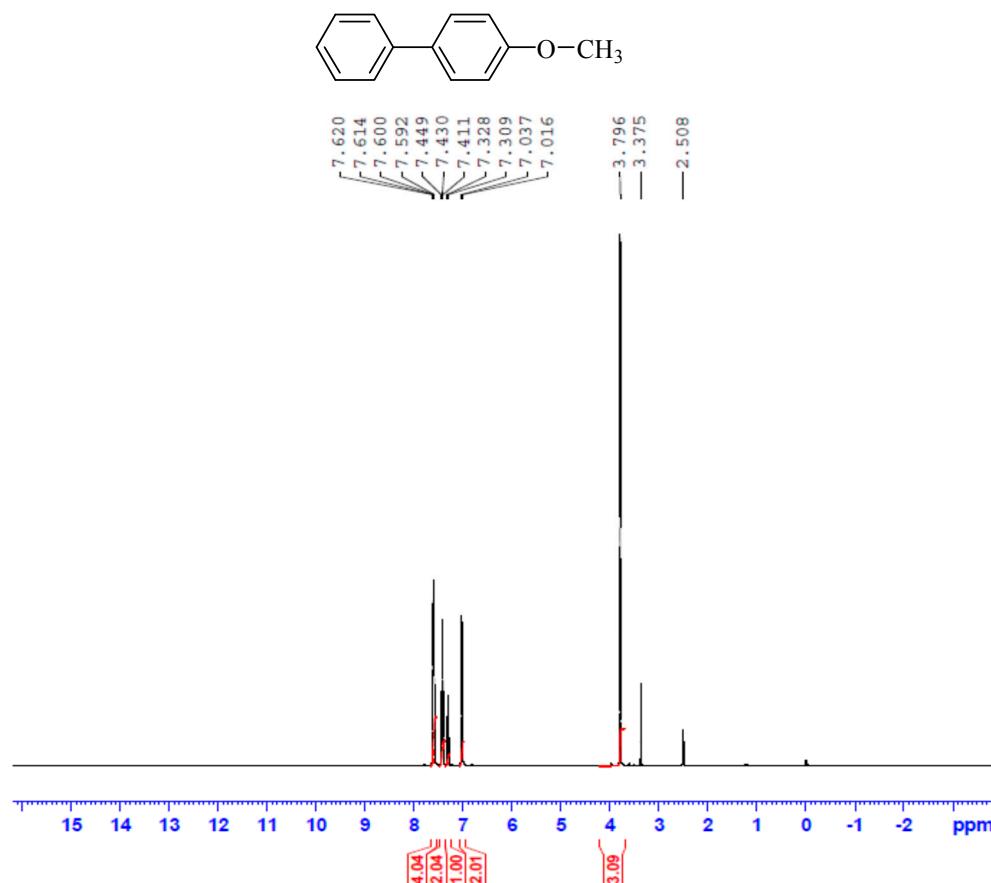
**Figure S2.** <sup>13</sup>C-NMR spectra of Biphenyl.



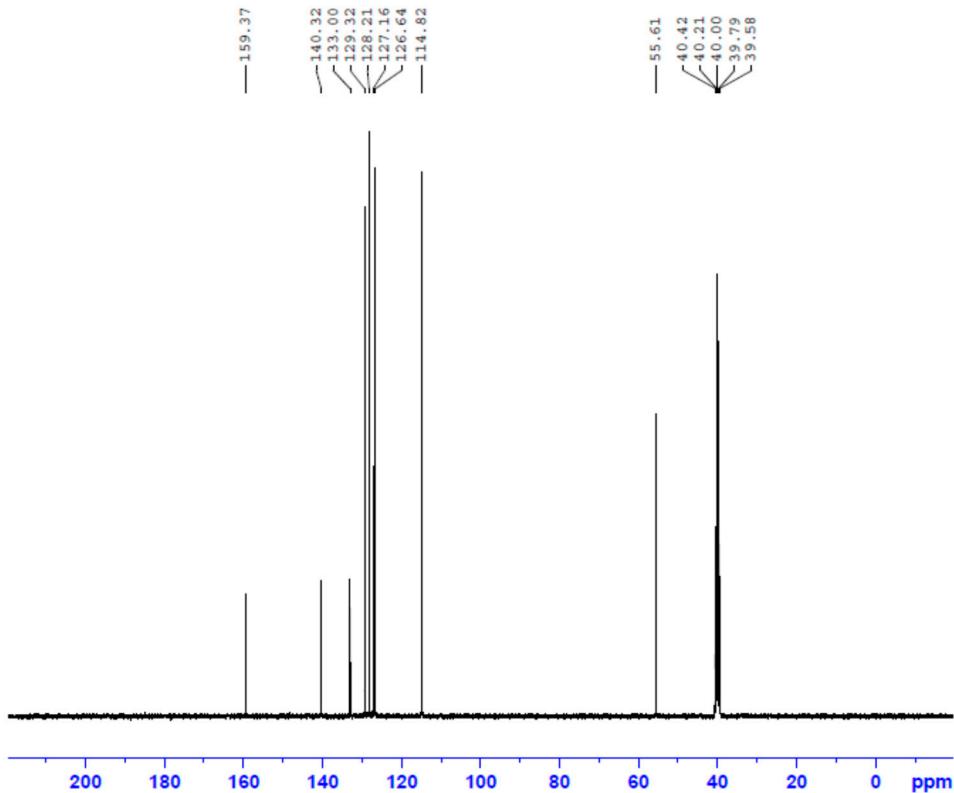
**Figure S3.** <sup>1</sup>H-NMR spectra of 4-Acetyl-4'-methoxybiphenyl.



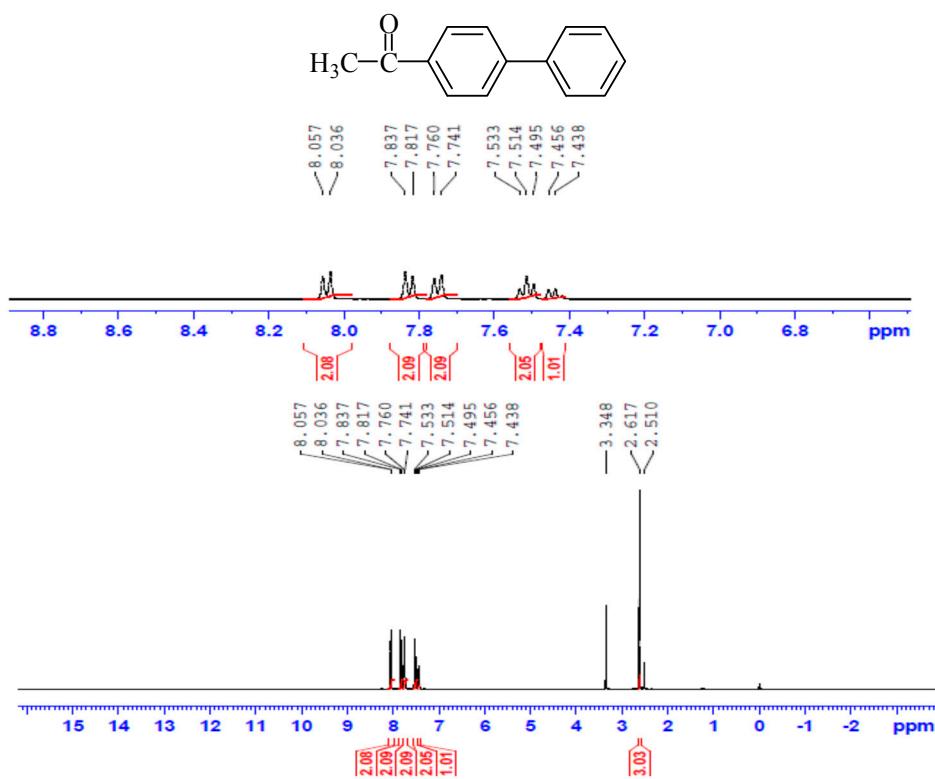
**Figure S4.** <sup>13</sup>C-NMR spectra of 4-Acetyl-4'-methoxybiphenyl.



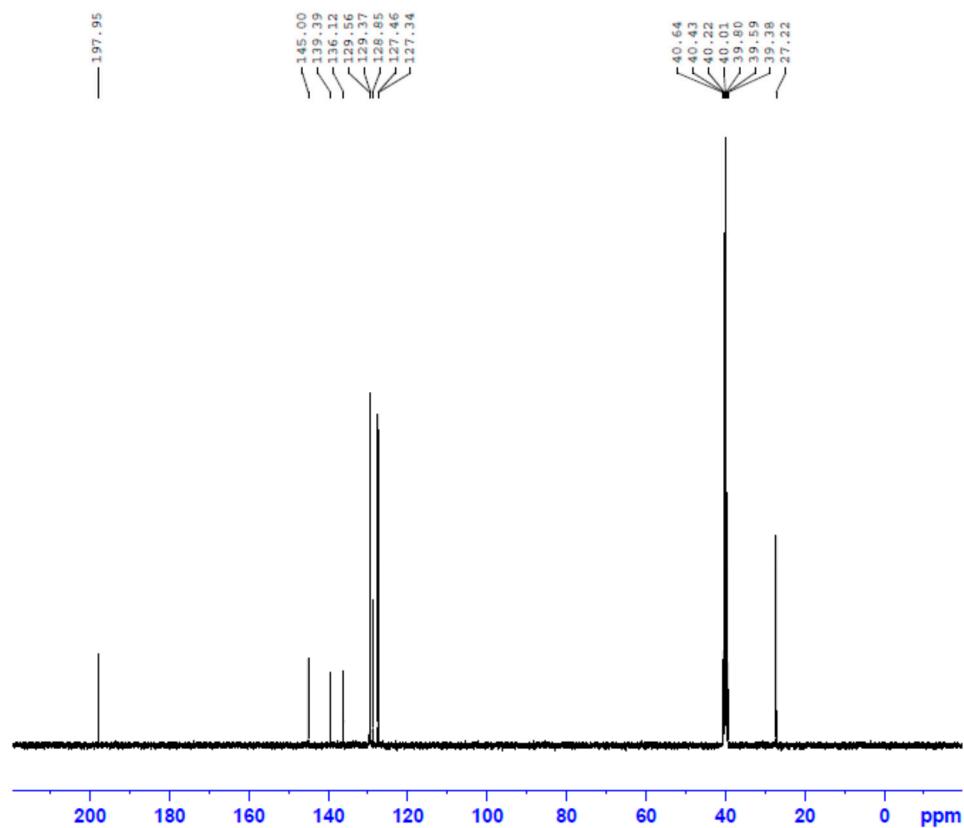
**Figure S5.** <sup>1</sup>H-NMR spectra of 4-Methoxybiphenyl.



**Figure S6.** <sup>13</sup>C-NMR spectra of 4-Methoxybiphenyl.



**Figure S7.** <sup>1</sup>H-NMR spectra of 4-Acetyl biphenyl.



**Figure S8.** <sup>13</sup>C-NMR spectra of 4-Acetyl biphenyl.