Supporting information

Synthesis, Crystal Structures, and Reactivity of Copper(I) amidate Complexes: a insight into the mechanism of copper(I)-catalyze amide arylation reaction

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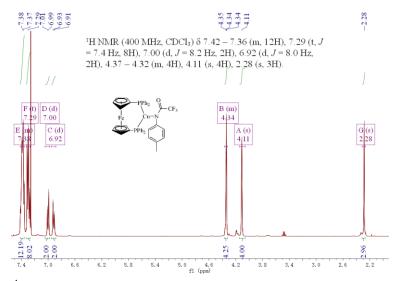


Fig S1. ¹H NMR spectrum of complex **2** recorded at 400 MHz in CDCl₃ at 293 K.

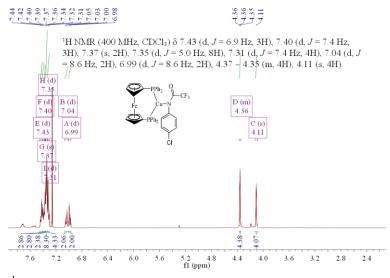


Fig S2. ¹H NMR spectrum of complex **3** recorded at 400 MHz in CDCl₃ at 293 K.

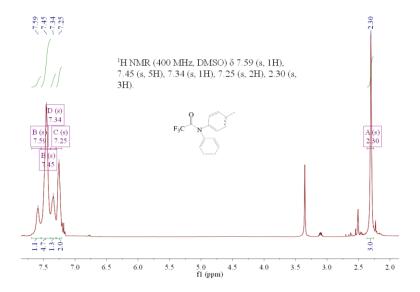


Fig S3. ¹H NMR spectrum of compound **5** recorded at 400 MHz in CDCl₃ at 293 K.

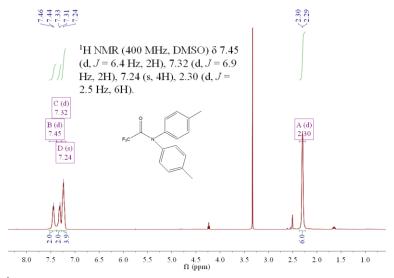


Fig S4. ¹H NMR spectrum of compound **6** recorded at 400 MHz in CDCl₃ at 293 K.

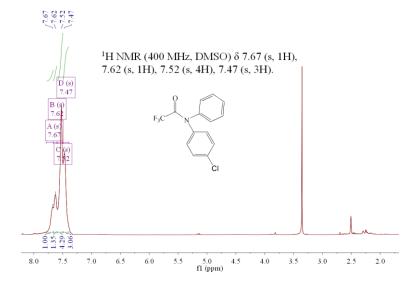


Fig S5. ¹H NMR spectrum of compound 7 recorded at 400 MHz in CDCl₃ at 293 K.

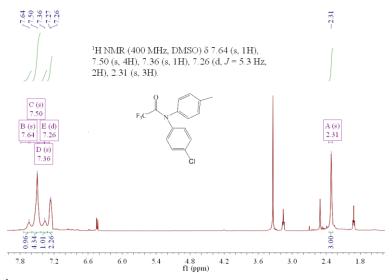


Fig S6. ¹H NMR spectrum of compound **8** recorded at 400 MHz in CDCl₃ at 293 K.

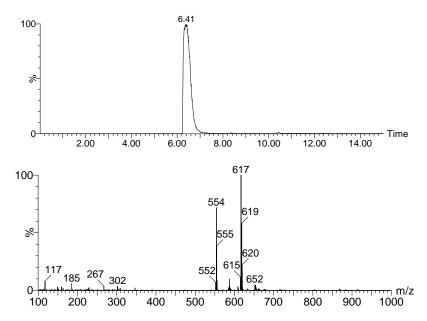


Fig. S7 LC-MS/MS chromatograms for the analysis of compound 4

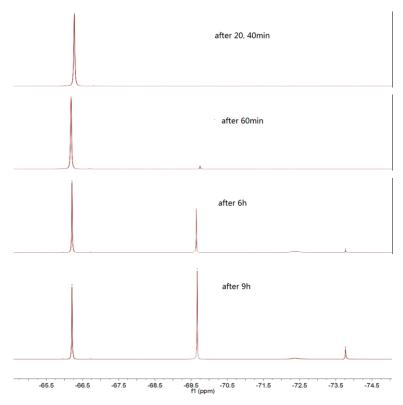


Fig S8. the time course of the 19 F NMR signals of the reaction of complex 2 with iodobenzene