

## Supporting Information

### **Copper(II) incorporated functionalized polystyrene catalyzed N-arylation of amides under solvent free condition with broad substrate scope**

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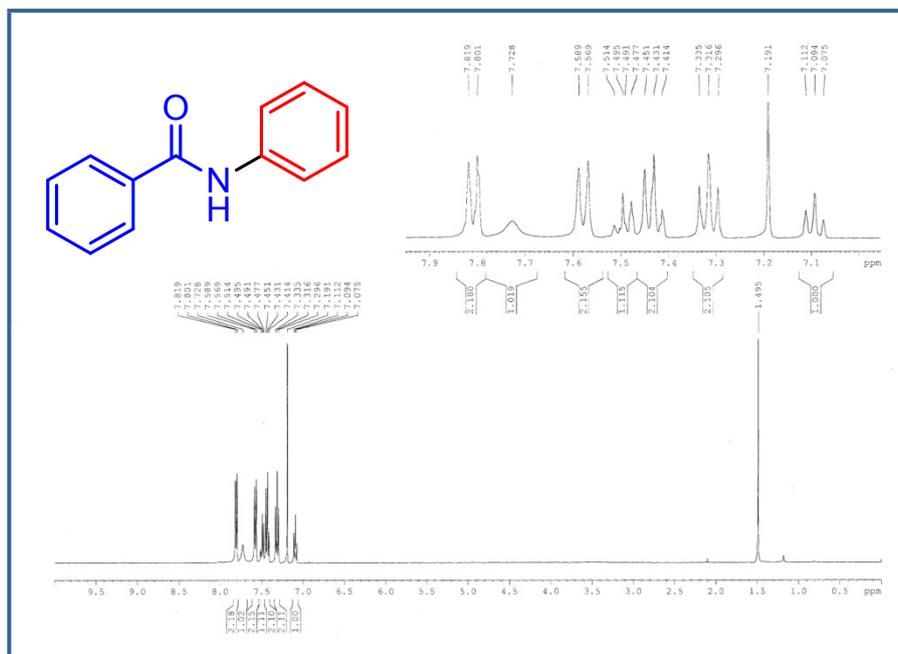
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**<sup>1</sup>H-NMR spectra of the pure products:**

**Figure S1.** <sup>1</sup>H-NMR spectrum of **3a**



**Figure S2.** <sup>1</sup>H-NMR spectrum of **3b**

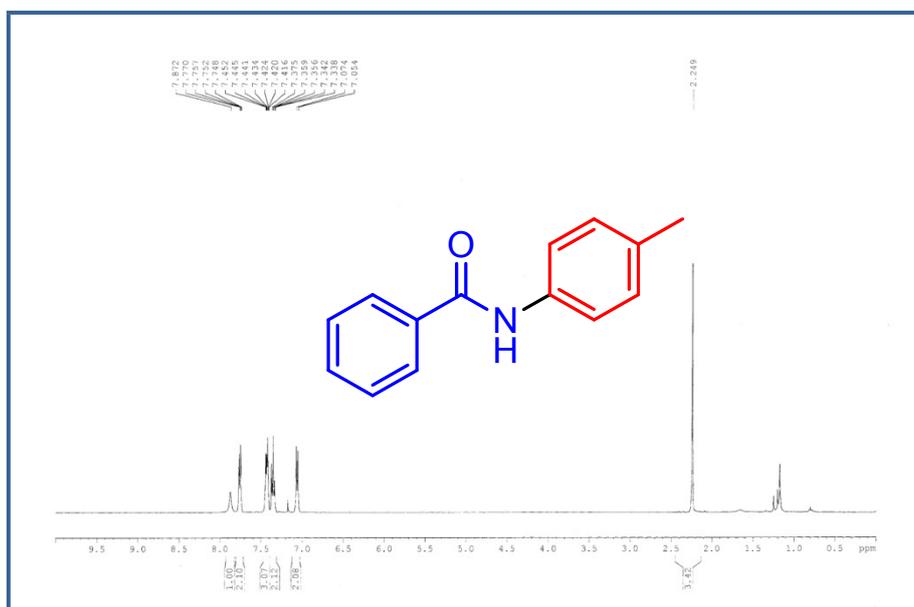


Figure S3.  $^1\text{H-NMR}$  spectrum of **3c**

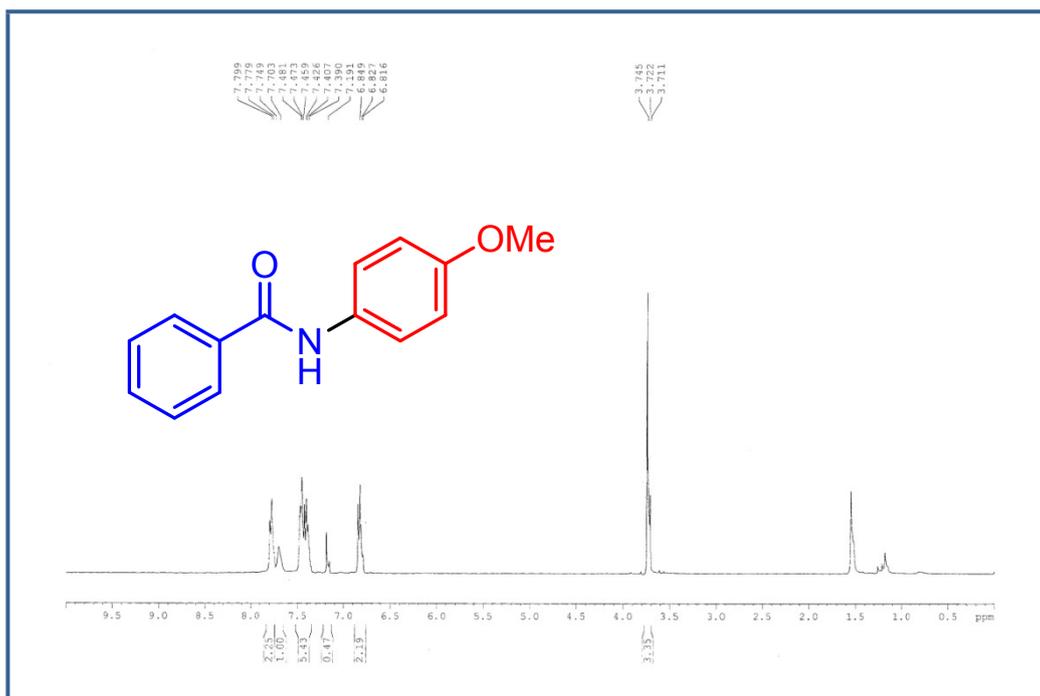


Figure S4.  $^1\text{H-NMR}$  spectrum of **3d**

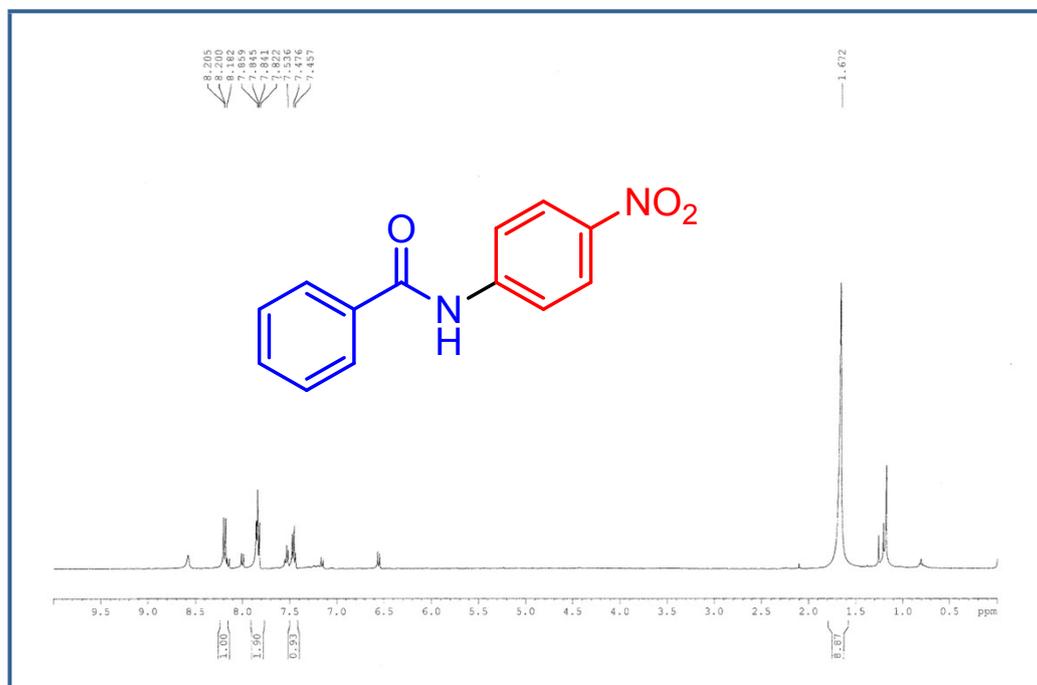


Figure S5.  $^1\text{H-NMR}$  spectrum of **5a**

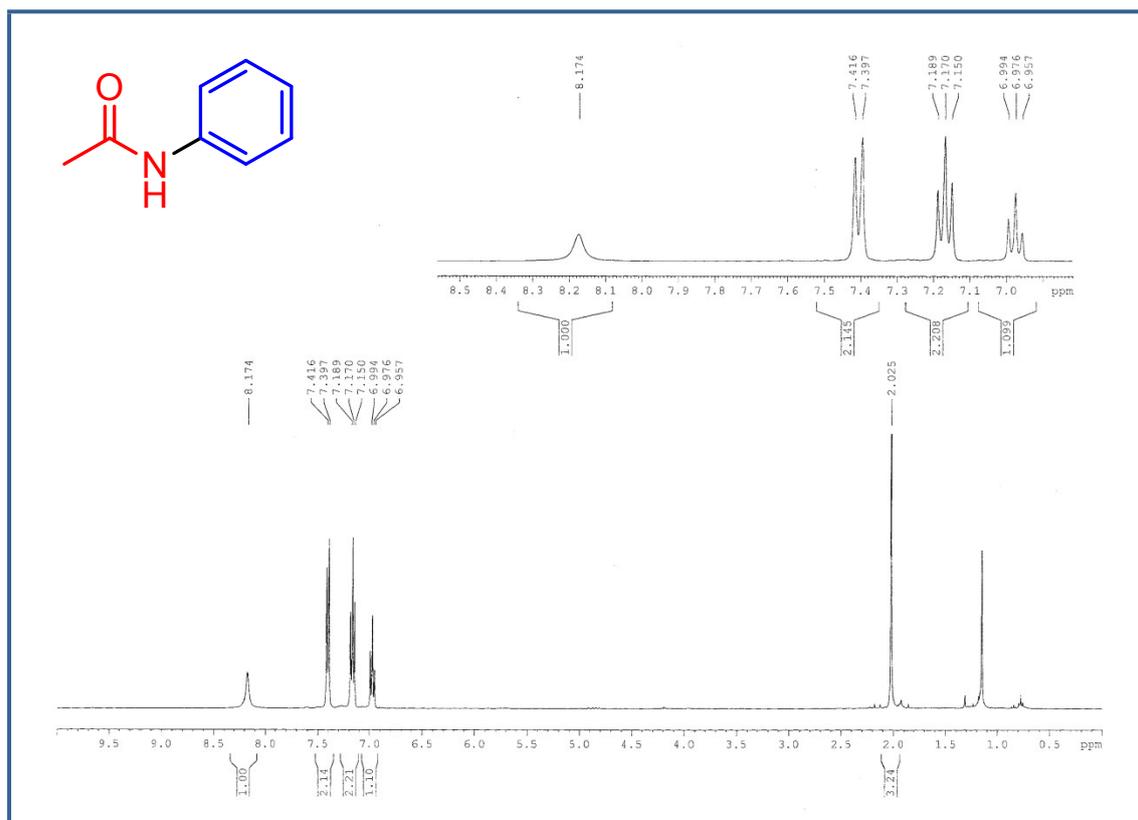


Figure S6.  $^1\text{H-NMR}$  spectrum of **5b**

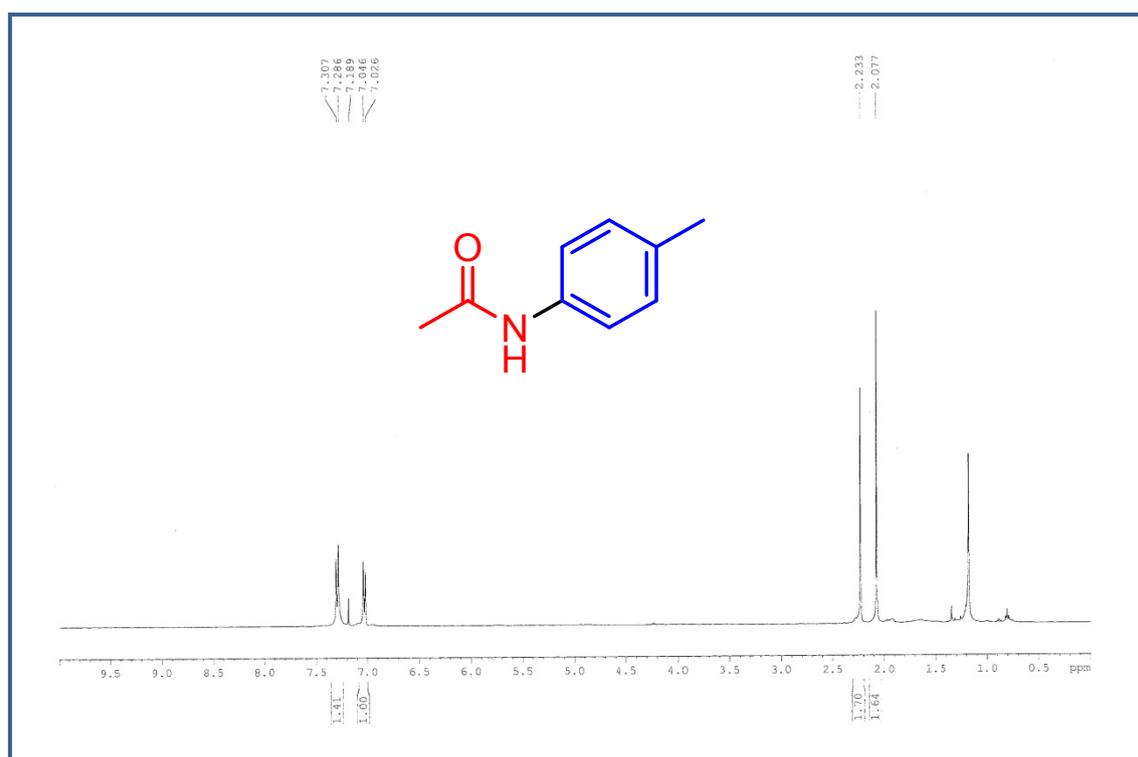


Figure S7.  $^1\text{H-NMR}$  spectrum of **5c**

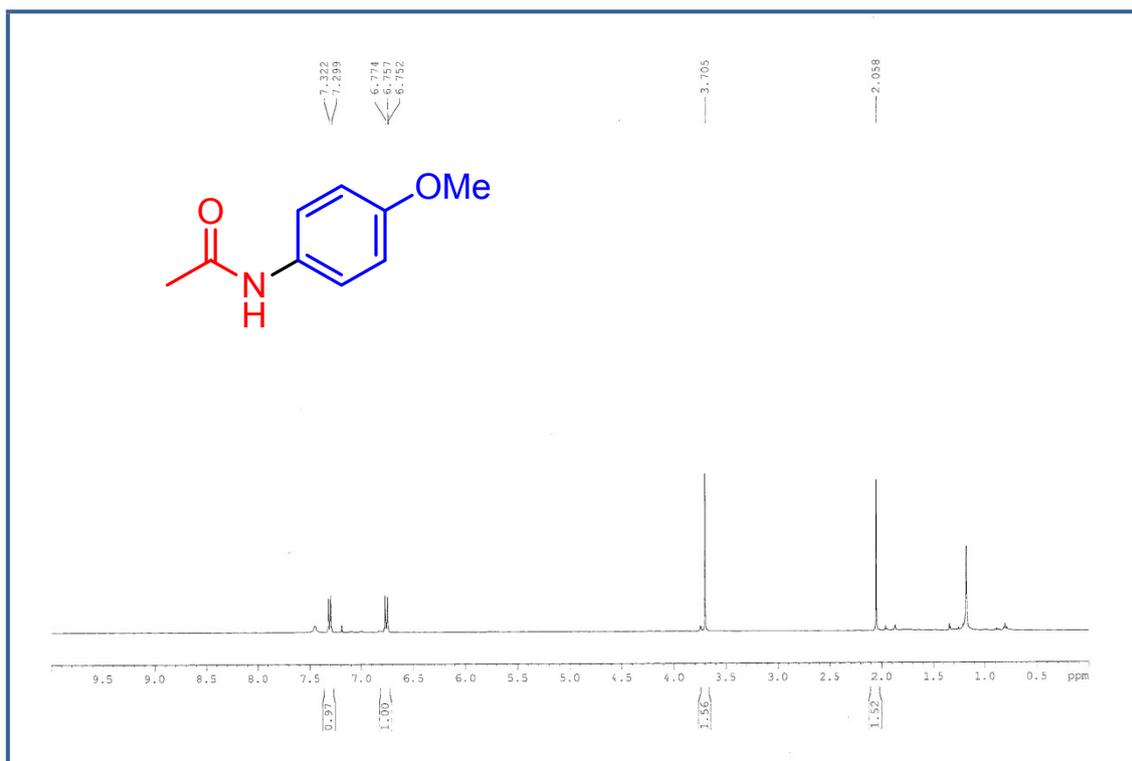
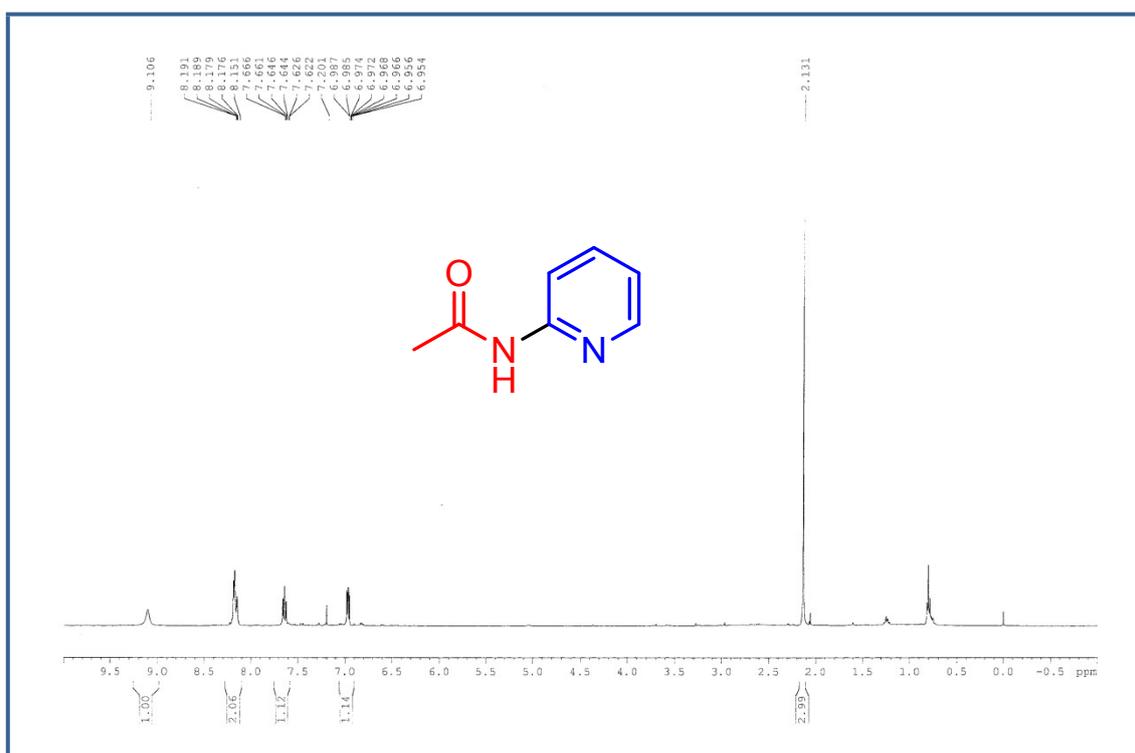
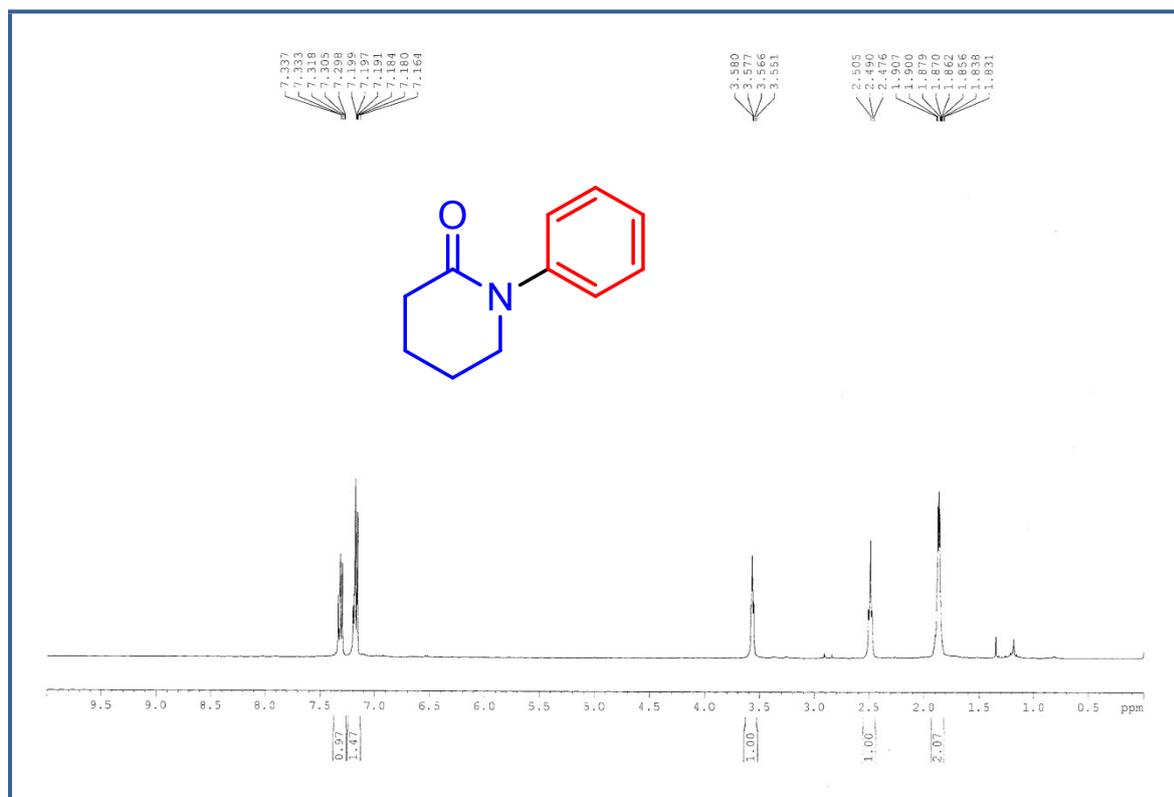


Figure S8.  $^1\text{H-NMR}$  spectrum of **5d**



**Figure S9.**  $^1\text{H-NMR}$  spectrum of **7a**



**Figure S10.**  $^1\text{H-NMR}$  spectrum of **7b**

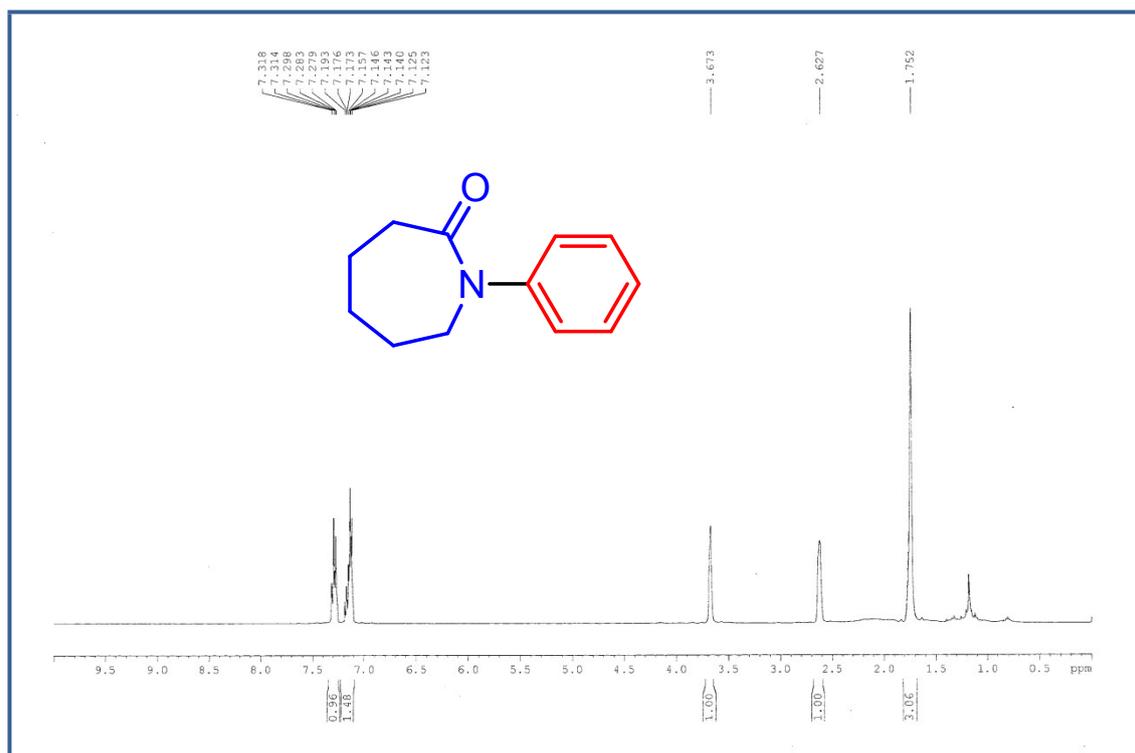


Figure S11. <sup>1</sup>H-NMR spectrum of 7c

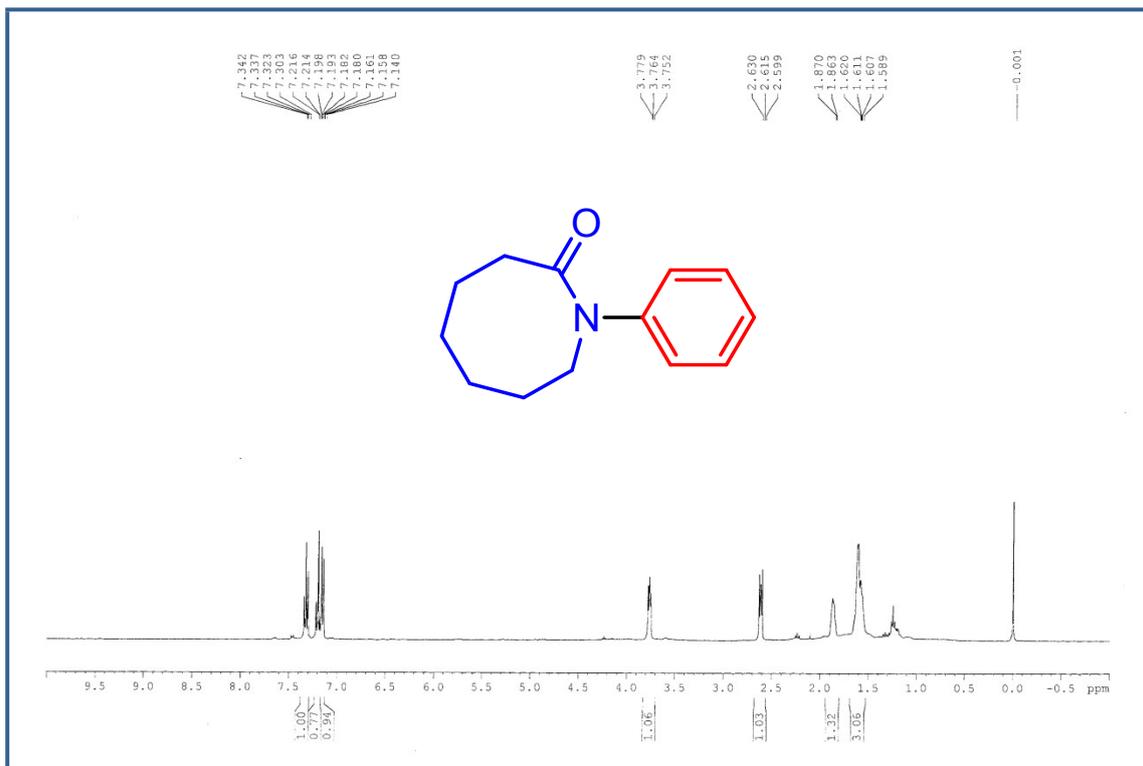


Figure S12. <sup>1</sup>H-NMR spectrum of 7d

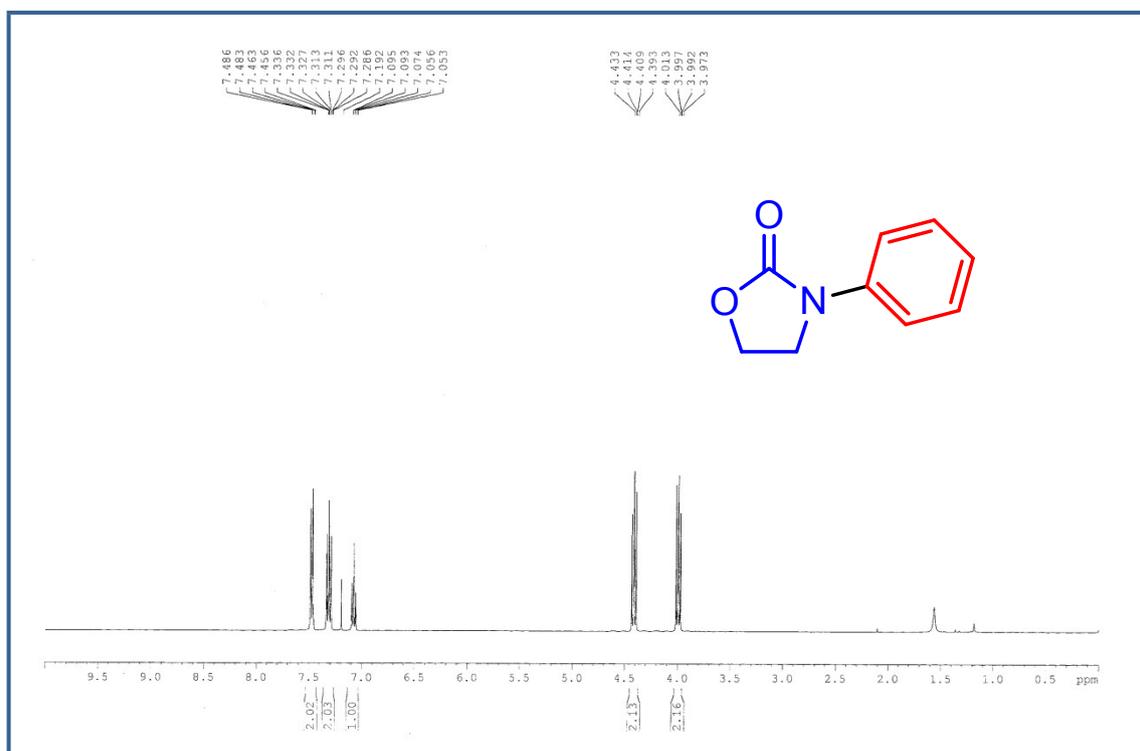


Figure S13. <sup>1</sup>H-NMR spectrum of 9a

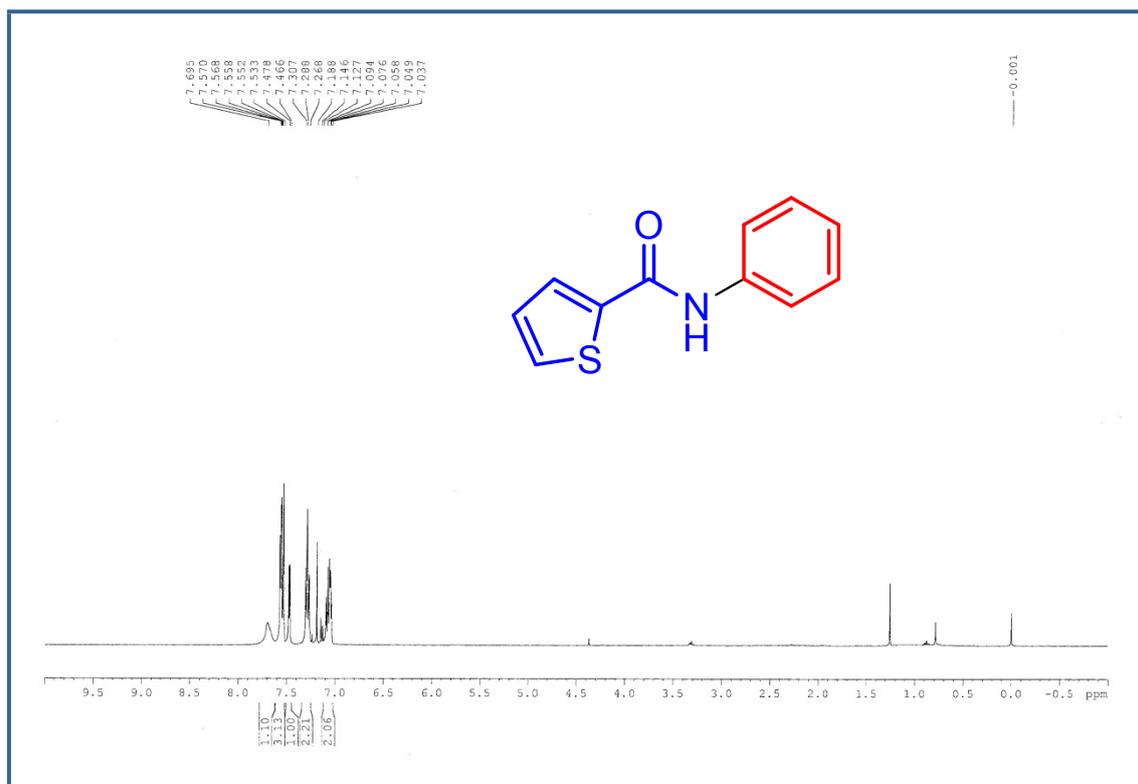


Figure S14. <sup>1</sup>H-NMR spectrum of 9b

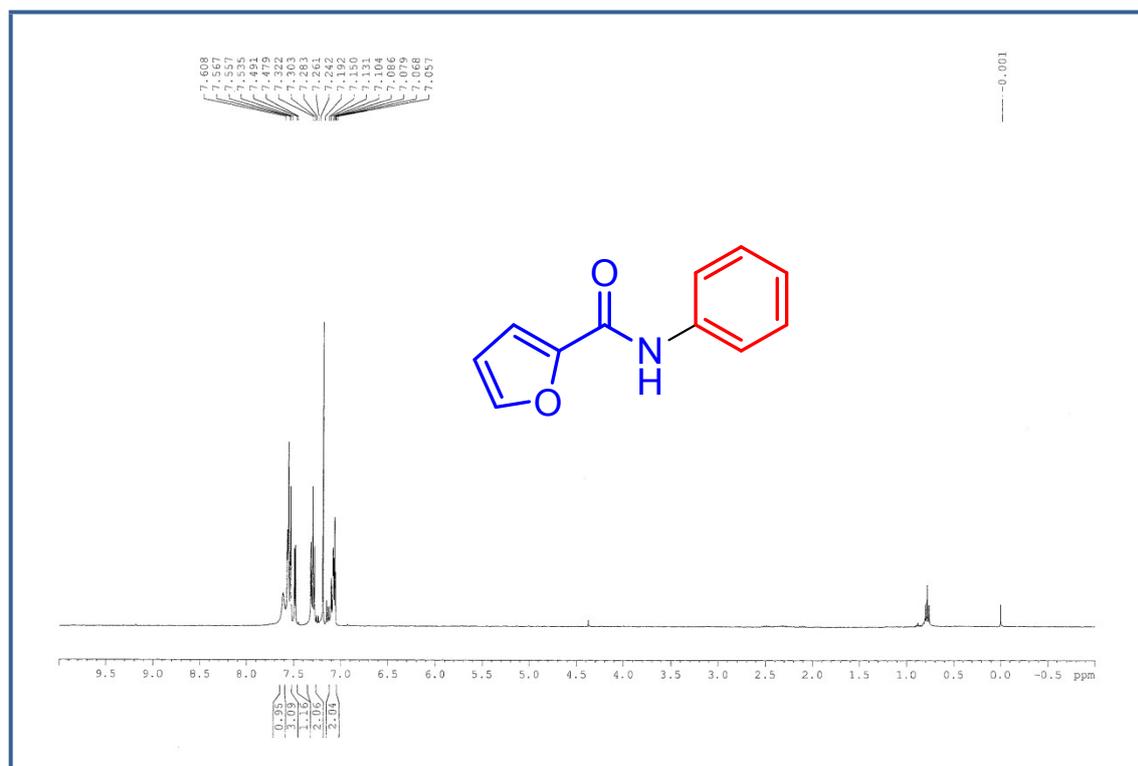


Figure S15. <sup>1</sup>H-NMR spectrum of 9c

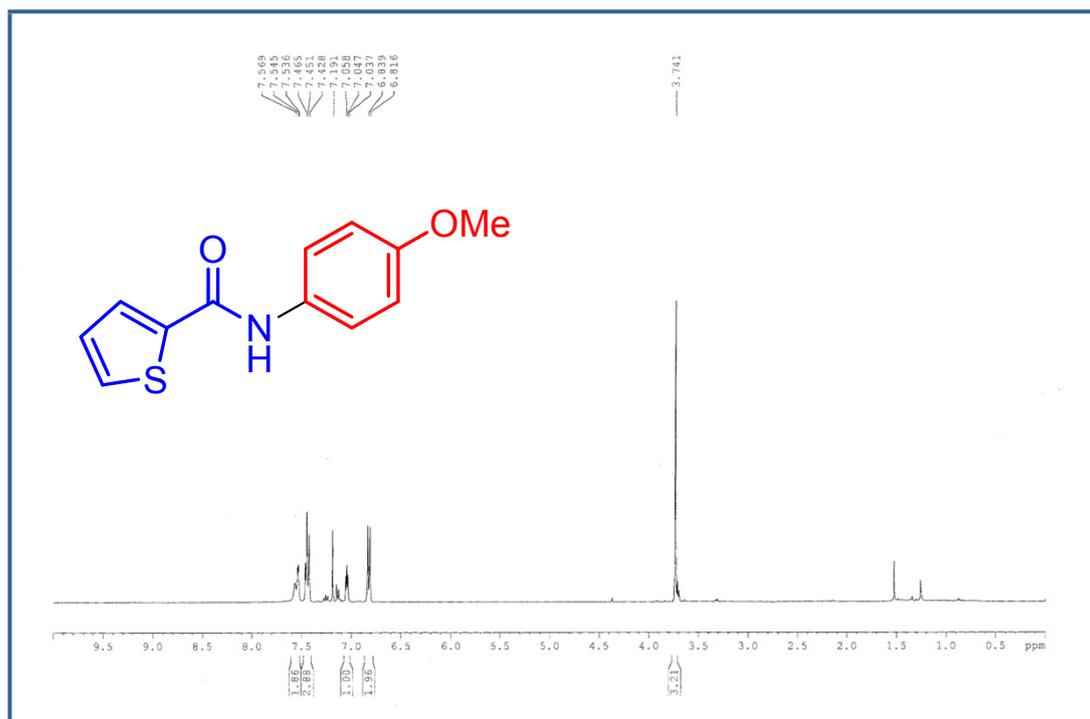


Figure S16. <sup>1</sup>H-NMR spectrum of 9d

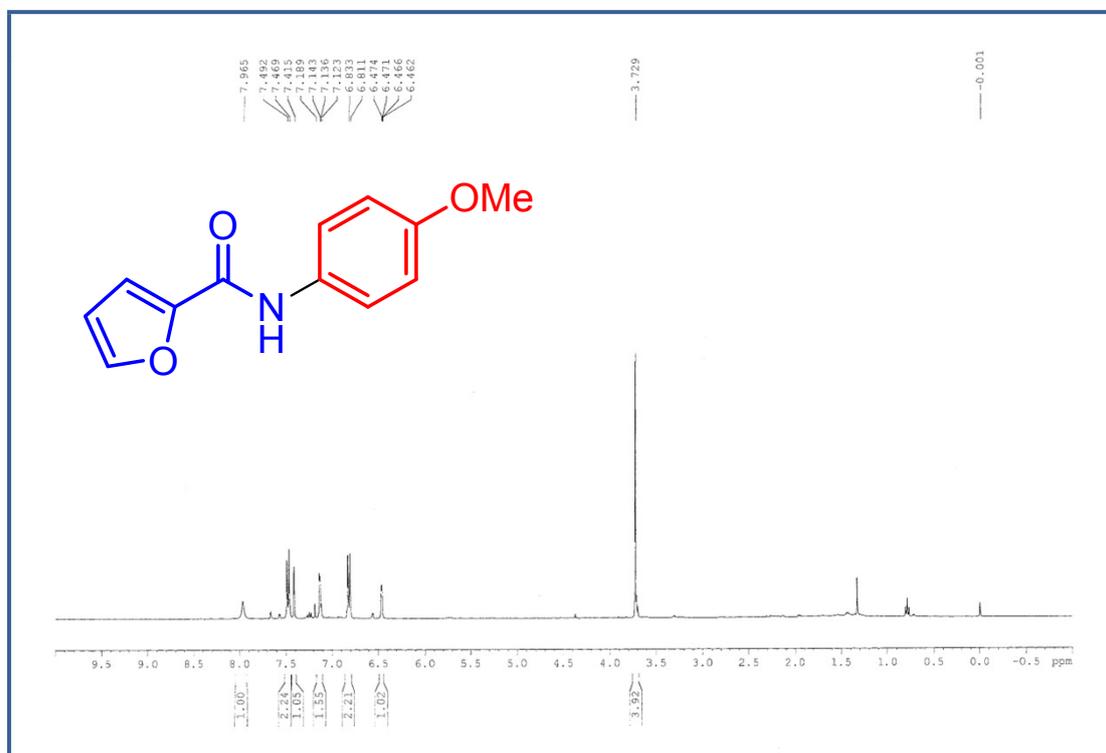


Figure S17. <sup>1</sup>H-NMR spectrum of 9e

