Supporting Information

Benzofuran and Indole Synthesis via Cu(I)-catalyzed Coupling of \(N\)-Tosylhydrazone and \(o\)-Hydroxy or \(o\)-Amino Phenylacetylene

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General details

All reactions were performed under a nitrogen atmosphere in a 10 mL Schlenk tube. MeCN was dried over CaH\textsubscript{2} and toluene was dried over Na before use. For chromatography, 200-300 mesh silica gel (Qingdao, China) was employed. \textsuperscript{1}H NMR and \textsuperscript{13}CNMR spectra were recorded on Varian 300 spectrometer in CDCl\textsubscript{3} solution. Mass spectra were obtained on Micromass ZAB-HS Magnetic mass spectrometer or ZAB-HS Double Focusing Mass Spectrometer, and HRMS were performed at analytical center of Sun Yat-Sen University on Thermo MAT95XP mass spectrometer or Peking University on Bruck APEX IV mass spectrometer. The IR spectra were measured on a Nicolet/Nexus 670 FT-IR spectrometer. Unless otherwise noted, materials obtained from commercial suppliers were used without further purification. \textsuperscript{2a}\textsuperscript{1}, \textsuperscript{2b}\textsuperscript{2} and \textsuperscript{2c}\textsuperscript{3} were prepared by literature procedures.
Reference


$^{1}H$ and $^{13}C$ NMR Spectra

1a OH

2a OH
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