Supplementary Information

**Figure S1.** Normalized emission spectra of 1b in various solvents.

**Figure S2.** Normalized emission spectra of 1c in various solvents.
Figure S3. Normalized absorption spectra of 1b at different concentrations in ethyl acetate.

Figure S4. Normalized absorption spectra of 1c at different concentrations in ethyl acetate.
Figure S5. Normalized absorption spectra of 3 at different concentrations in ethyl acetate.

Figure S6. $^1$H NMR of 1b.
Figure S7. $^1$H NMR of 1c.

Figure S8. $^1$H NMR of 2a.
Figure S9. $^1$H NMR of 2b.

Figure S10. $^1$H NMR of 2c.
Figure S11. $^{13}$C NMR of 1b.

Figure S12. $^{13}$C NMR of 1c.
Figure S13. $^{13}$C NMR of 2a.

Figure S14. $^{13}$C NMR of 2b.
Figure S15. $^{13}$C NMR of 2c.