Supplementary Materials

Figure S1. $^1$H-NMR spectra of compound 1.

Figure S2. $^{13}$C-NMR spectra of compound 1.
Figure S3. $^1$H-NMR spectra of compound 2.

Figure S4. $^{13}$C-NMR spectra of compound 2.
Figure S5. $^1$H-NMR spectra of compound 3.

Figure S6. $^{13}$C-NMR spectra of compound 3.
Figure S7. $^1$H-NMR spectra of compound 4.

Figure S8. $^{13}$C-NMR spectra of compound 4.
**Figure S9.** $^1$H-NMR spectra of compound 5.

**Figure S10.** $^{13}$C-NMR spectra of compound 5.
Figure S11. $^1$H-NMR spectra of compound 6.

Figure S12. $^{13}$C-NMR spectra of compound 6.
Figure S13. $^1$H-NMR spectra of compound 7.

Figure S14. $^{13}$C-NMR spectra of compound 7.
Figure S15. $^1$H-NMR spectra of compound 8.

Figure S16. $^{13}$C-NMR spectra of compound 8.
Figure S17. $^1$H-NMR spectra of compound 9.

Figure S18. $^{13}$C-NMR spectra of compound 9.
Figure S19. $^1$H-NMR spectra of compound 11.

Figure S20. $^{13}$C-NMR spectra of compound 11.
Figure S21. $^1$H-NMR spectra of compound 12.

Figure S22. $^{13}$C-NMR spectra of compound 12.
Figure S23. $^1$H-NMR spectra of compound 13.

Figure S24. $^{13}$C-NMR spectra of compound 13.
Figure S25. $^1$H-NMR spectra of compound 14.

Figure S26. $^{13}$C-NMR spectra of compound 14.
Figure S27. $^1$H-NMR spectra of compound 15.

Figure S28. $^{13}$C-NMR spectra of compound 15.
Figure S29. $^1$H-NMR spectra of compound 18.

Figure S30. $^{13}$C-NMR spectra of compound 18.
Figure S31. $^1$H-NMR spectra of compound 19.

Figure S32. $^{13}$C-NMR spectra of compound 19.
Figure S33. $^1$H-NMR spectra of compound 20.

Figure S34. $^{13}$C-NMR spectra of compound 20.
Figure S35. $^1$H-NMR spectra of compound 21.

Figure S36. $^{13}$C-NMR spectra of compound 21.