**Supporting information.**

**Figure S1.** 1HNMR of **3a**





**Figure S2.** 13C NMR of **3a**



**Figure S3.** 1H NMR of **3b**





**Figure S4.** 13CNMR of **3b**



**Figure S5.** 1H NMR of **3b’**





**Figure S6.** 13C NMR of **3b’**



**Figure S7.** 1H NMR of **4a**





**Figure S8.** 13C NMR of **4a**



**Figure S9.** 1HNMR of **4b**



