

NH₄Cl-CH₃OH: An Efficient, Acid- and Metal-Free Catalyst System for the Synthesis of Quinoxalines

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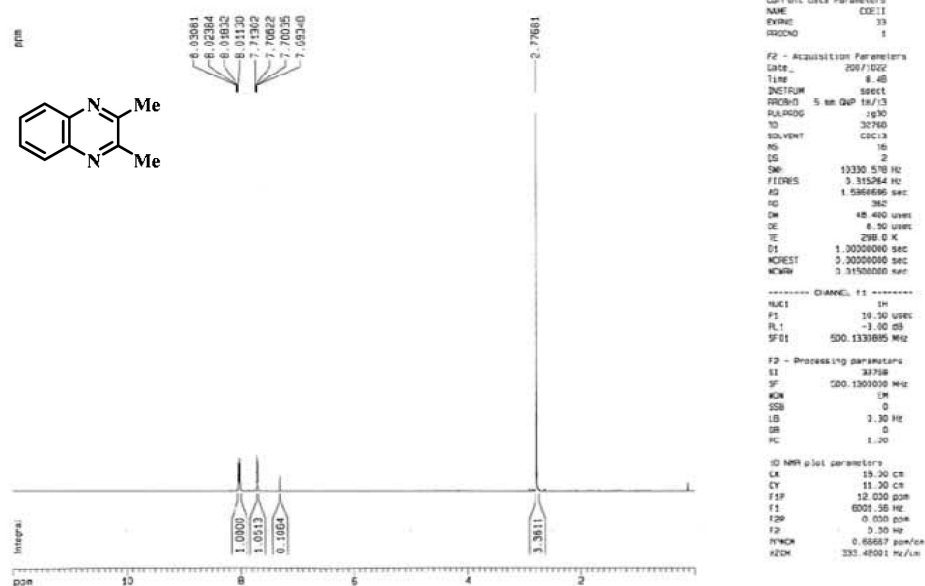


Figure S1a. ¹H NMR of **1i** (500 MHz, CDCl₃).

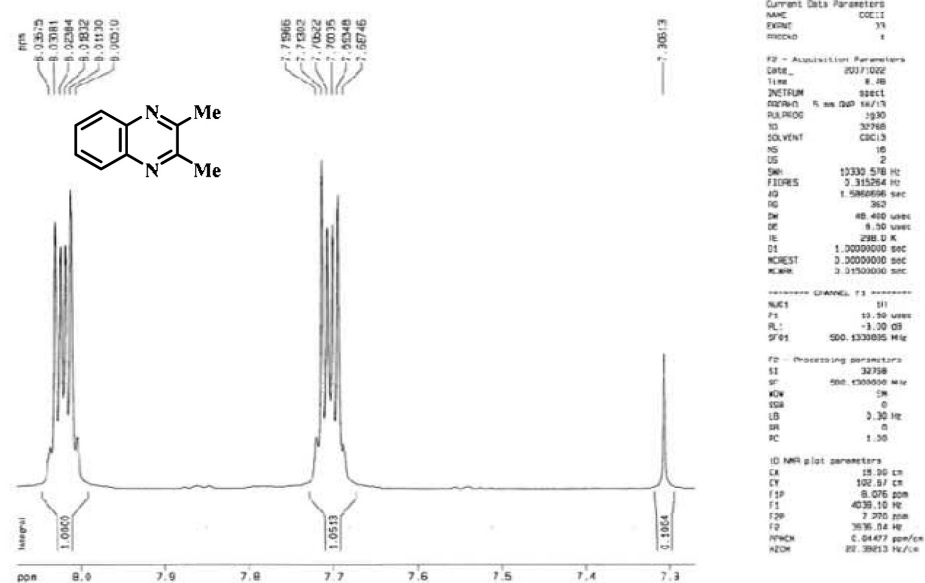
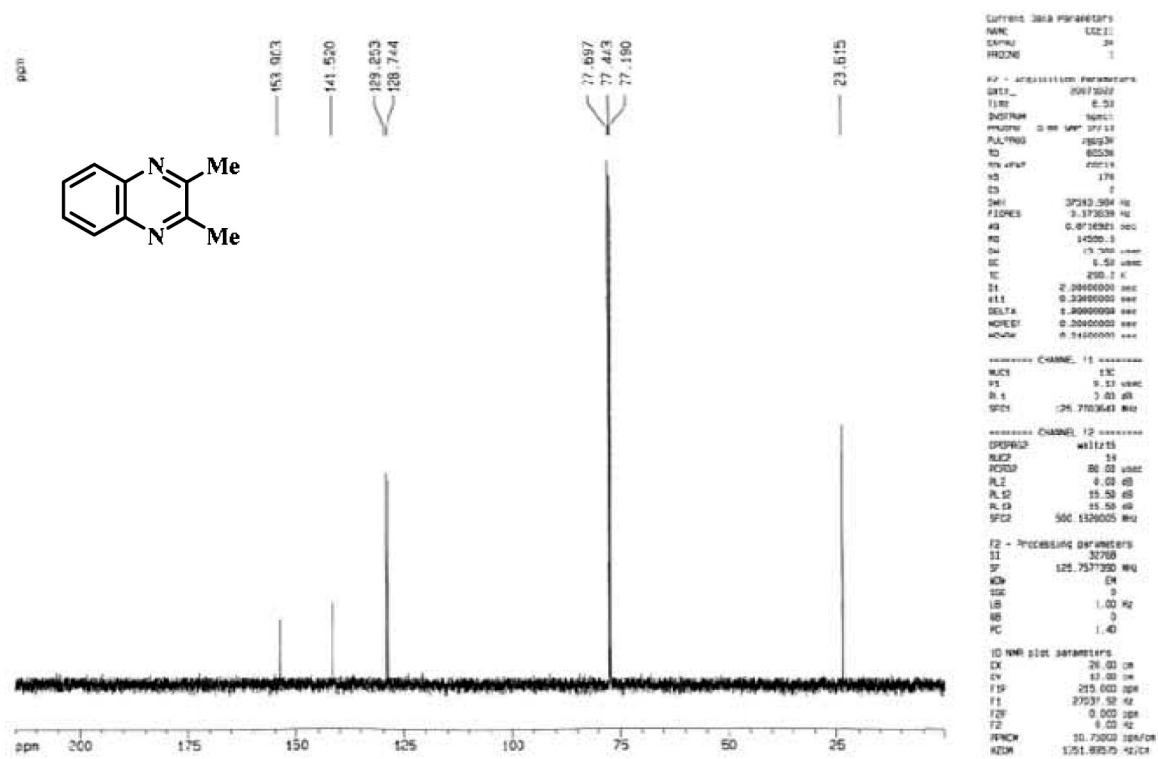
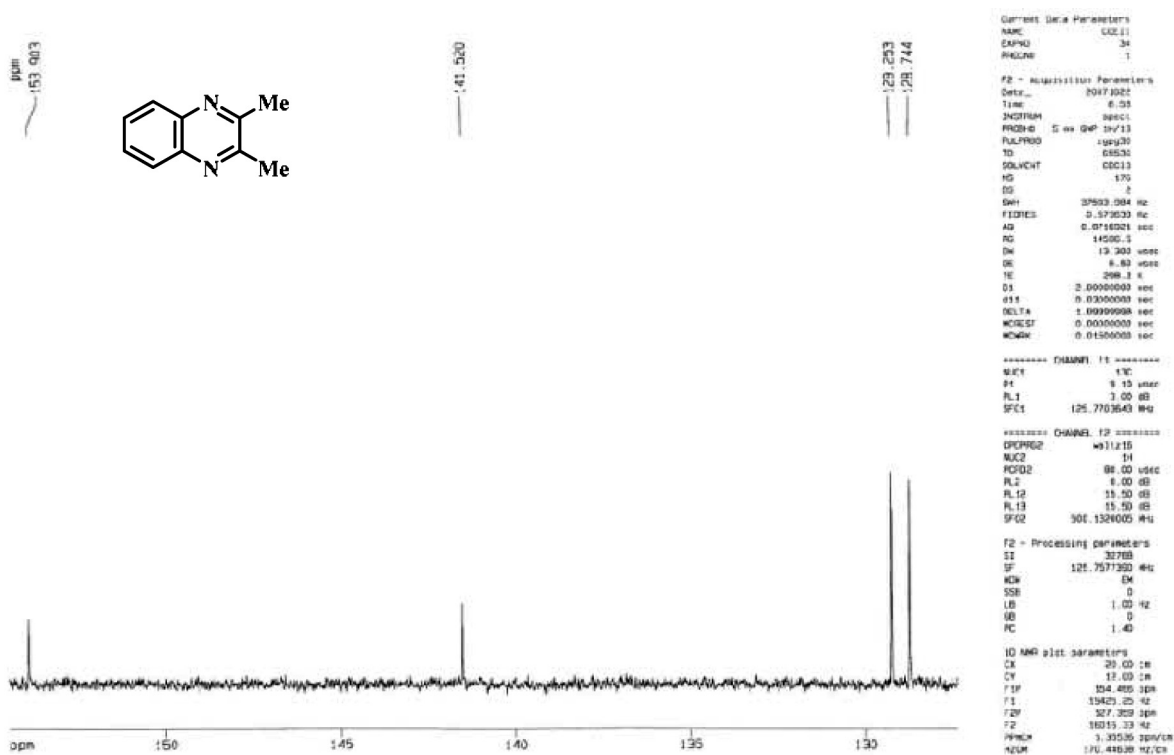
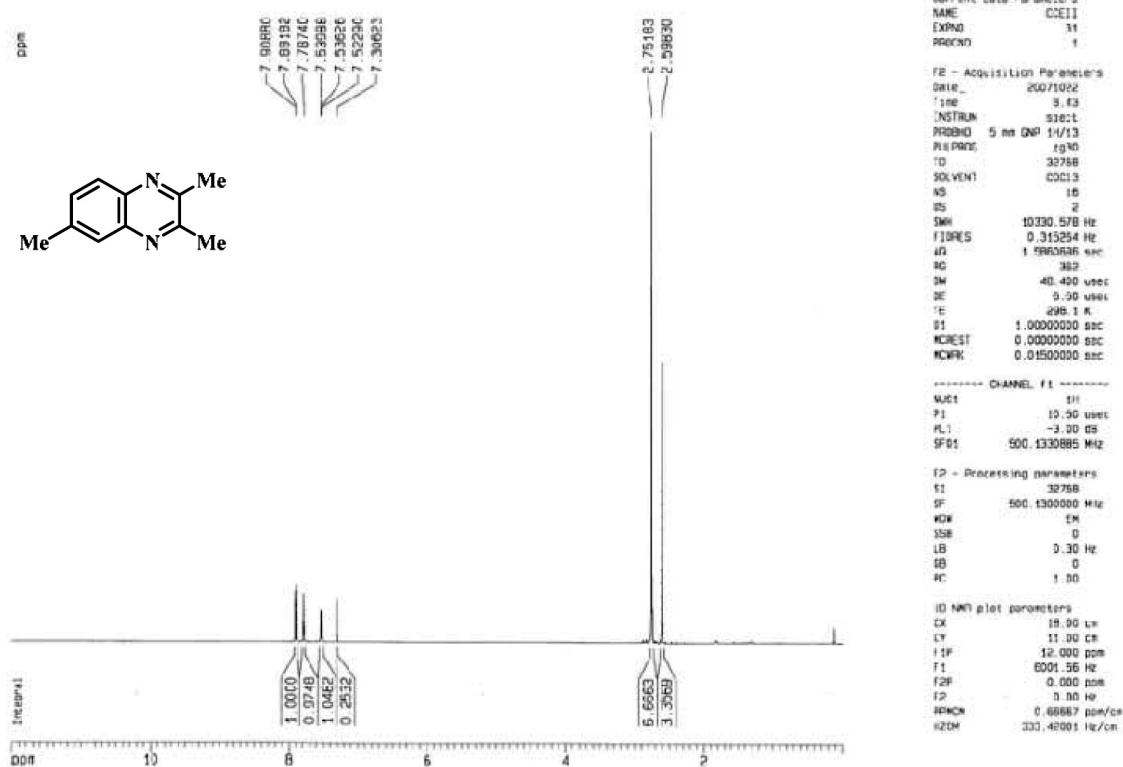
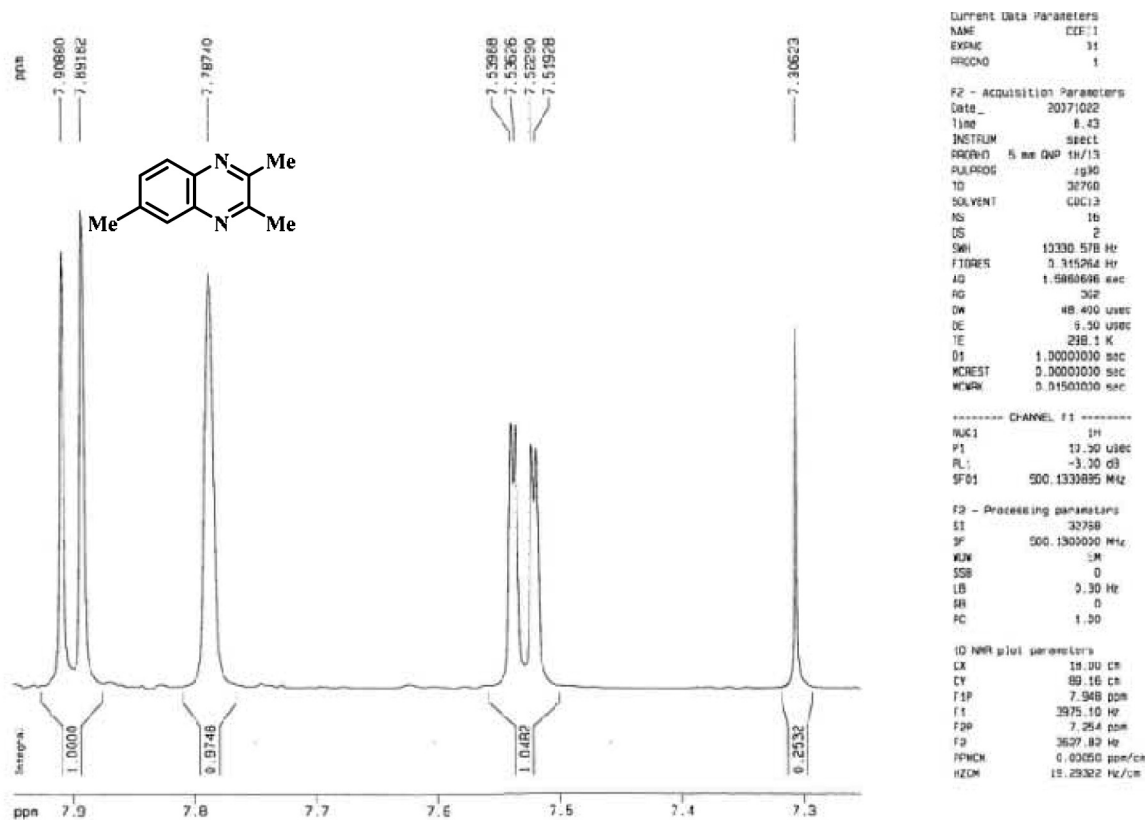
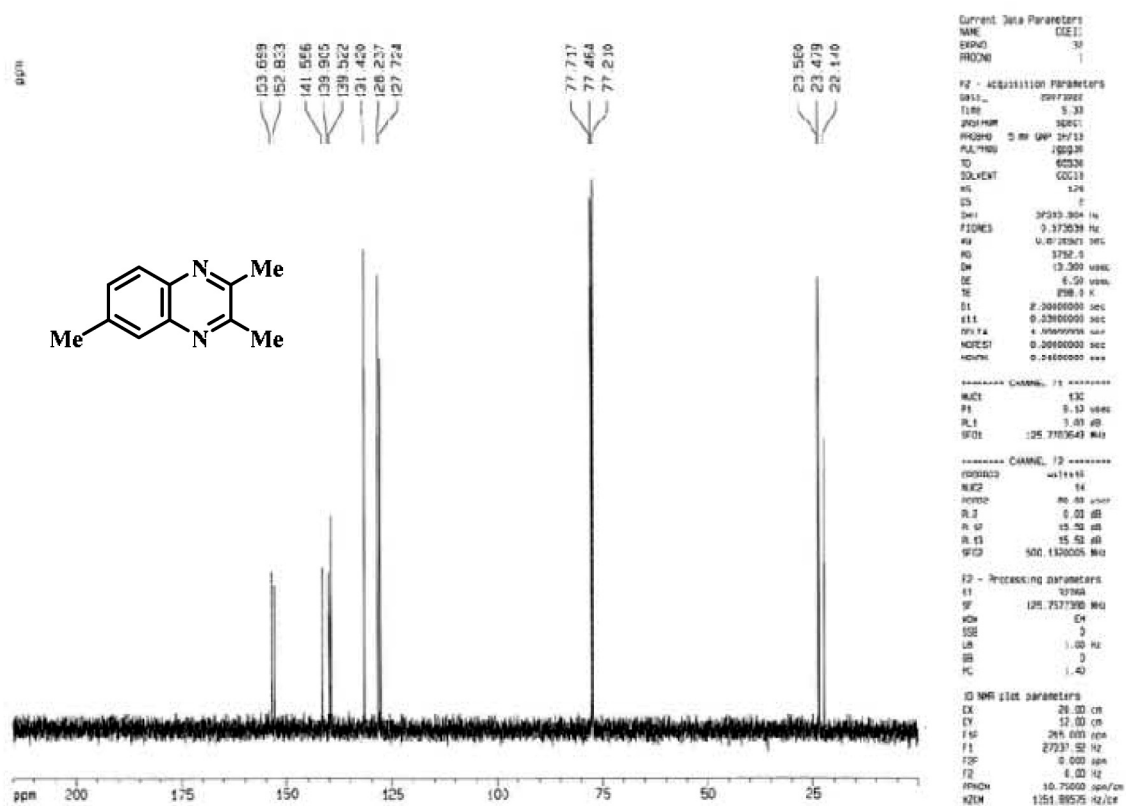
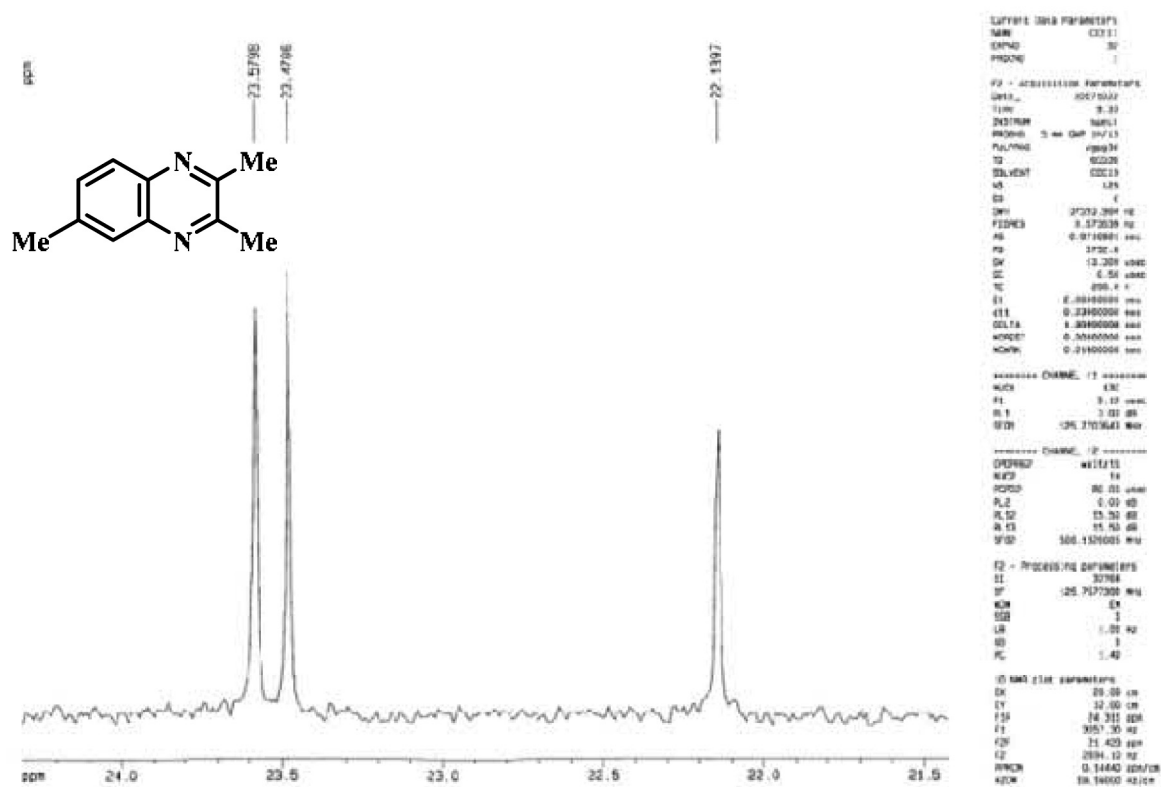


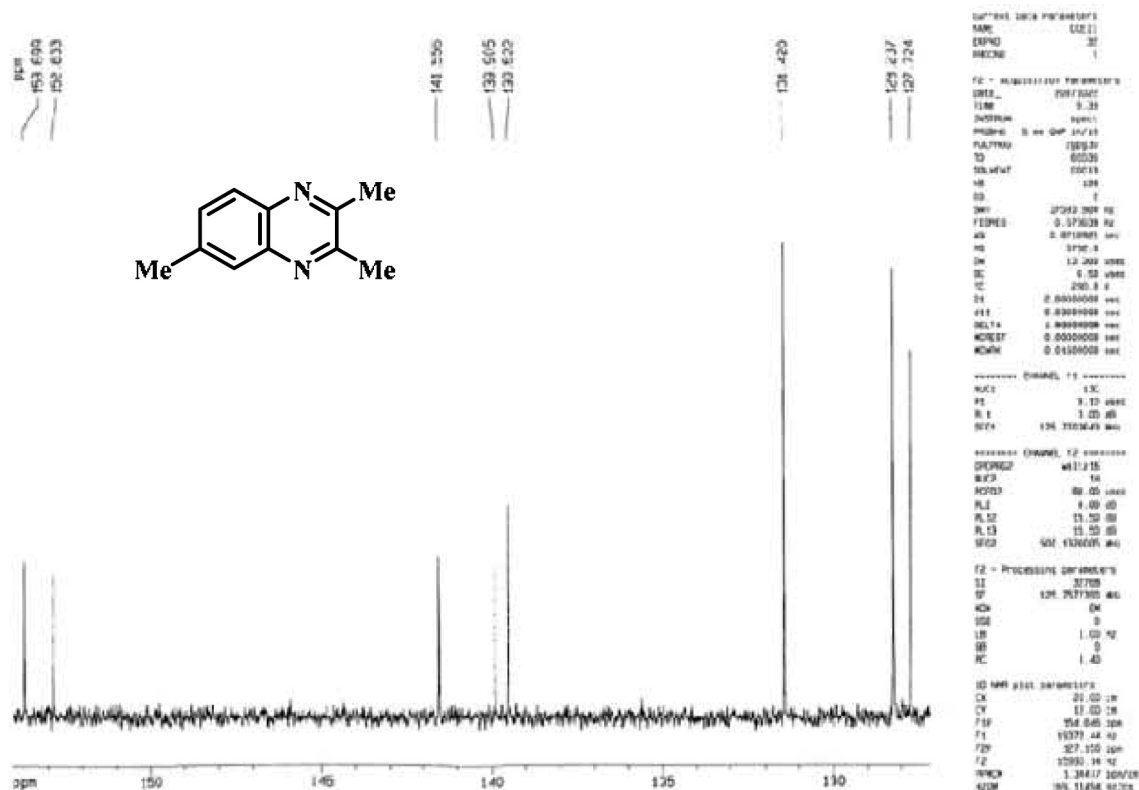
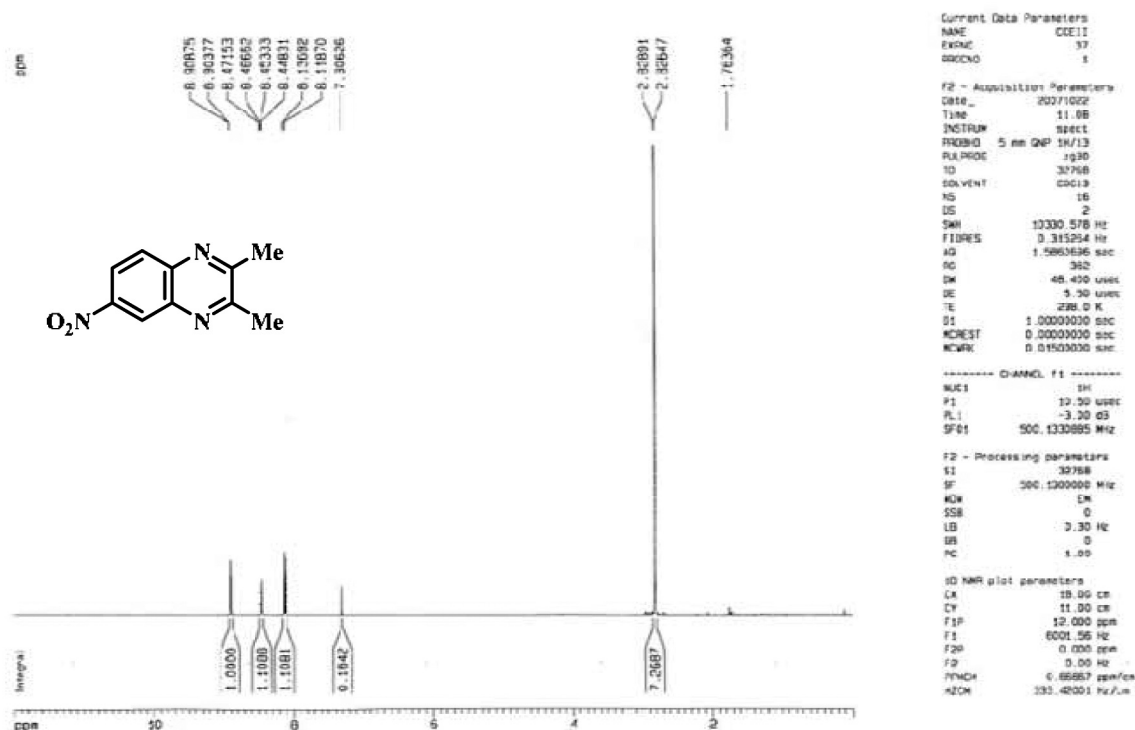
Figure S1b. ¹H NMR of **1i** (500 MHz, CDCl₃).

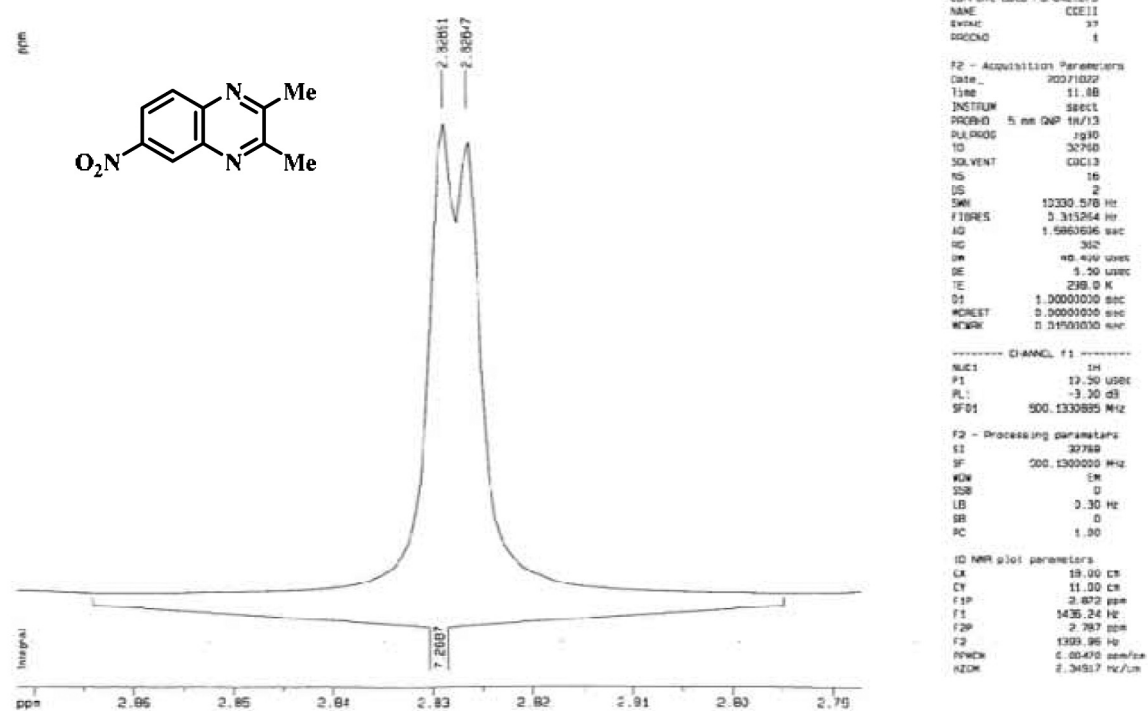
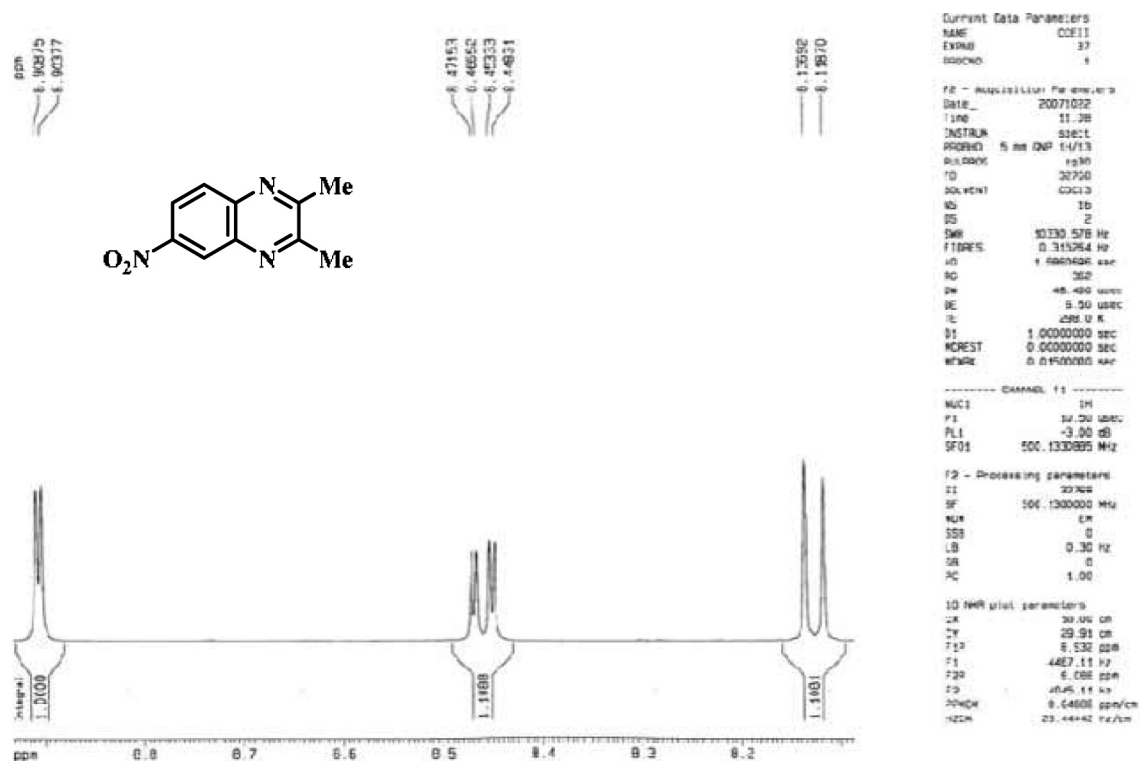
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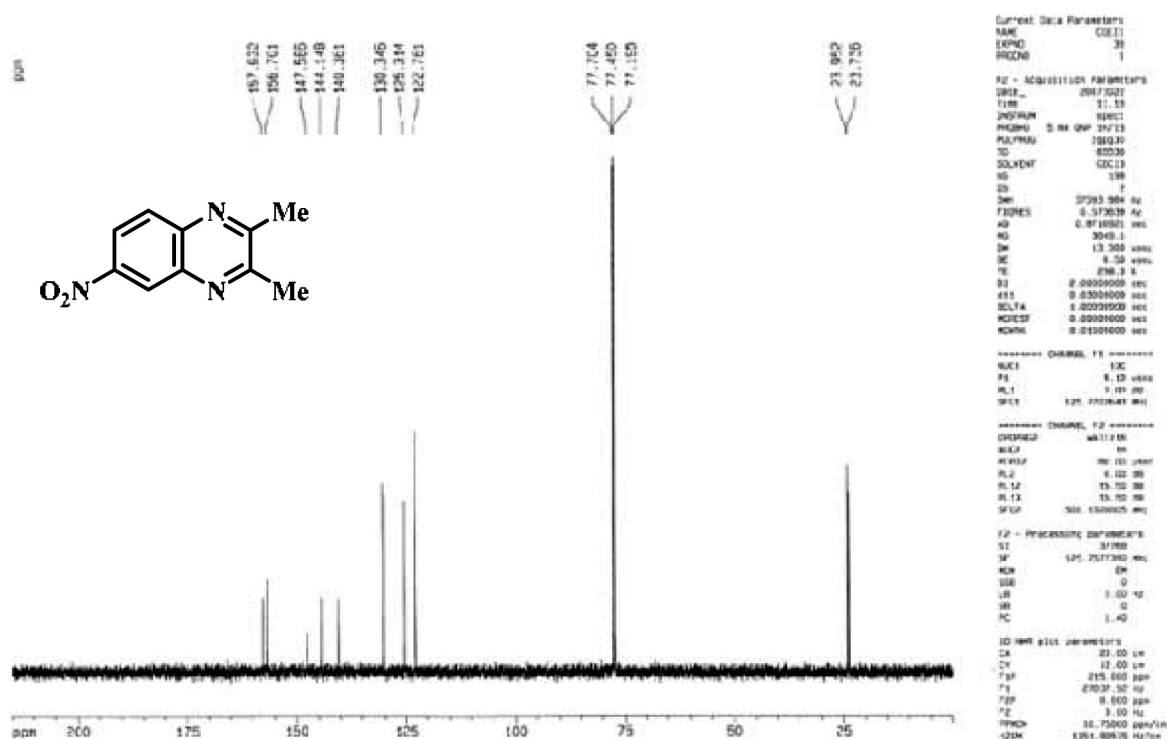
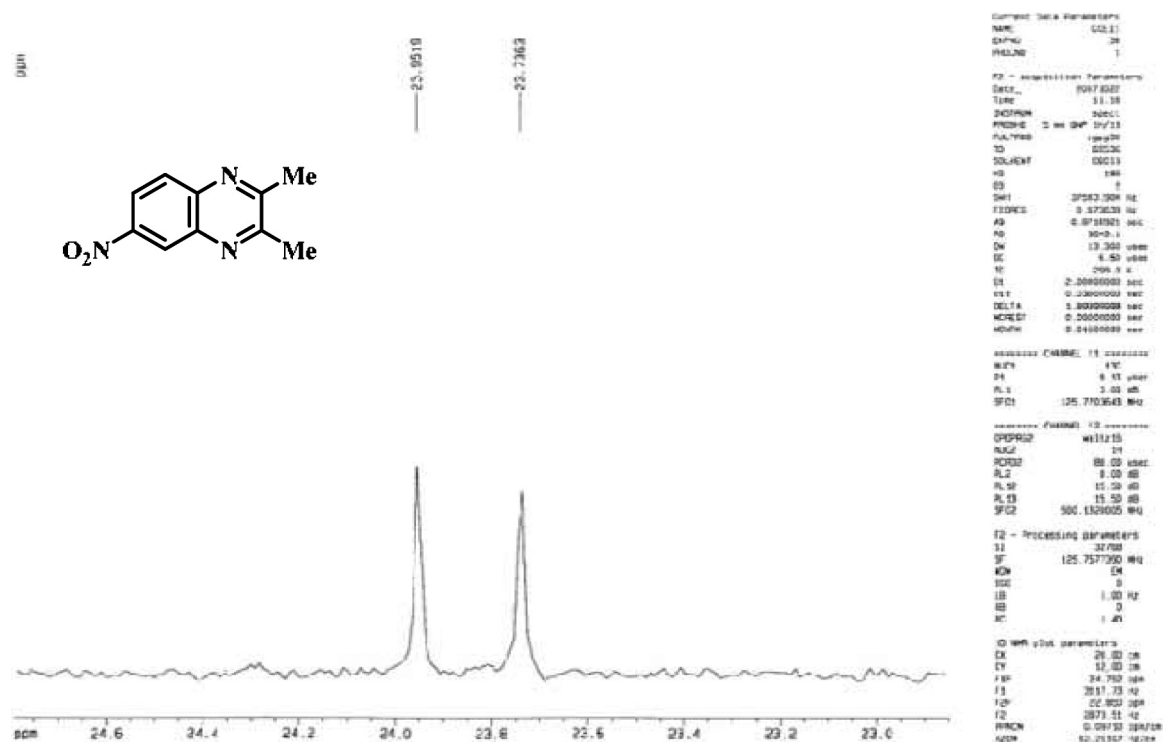
Figure S2a. ¹³C NMR of 1i (125 MHz, CDCl₃).Figure S2b. ¹³C NMR of 1i (125 MHz, CDCl₃).

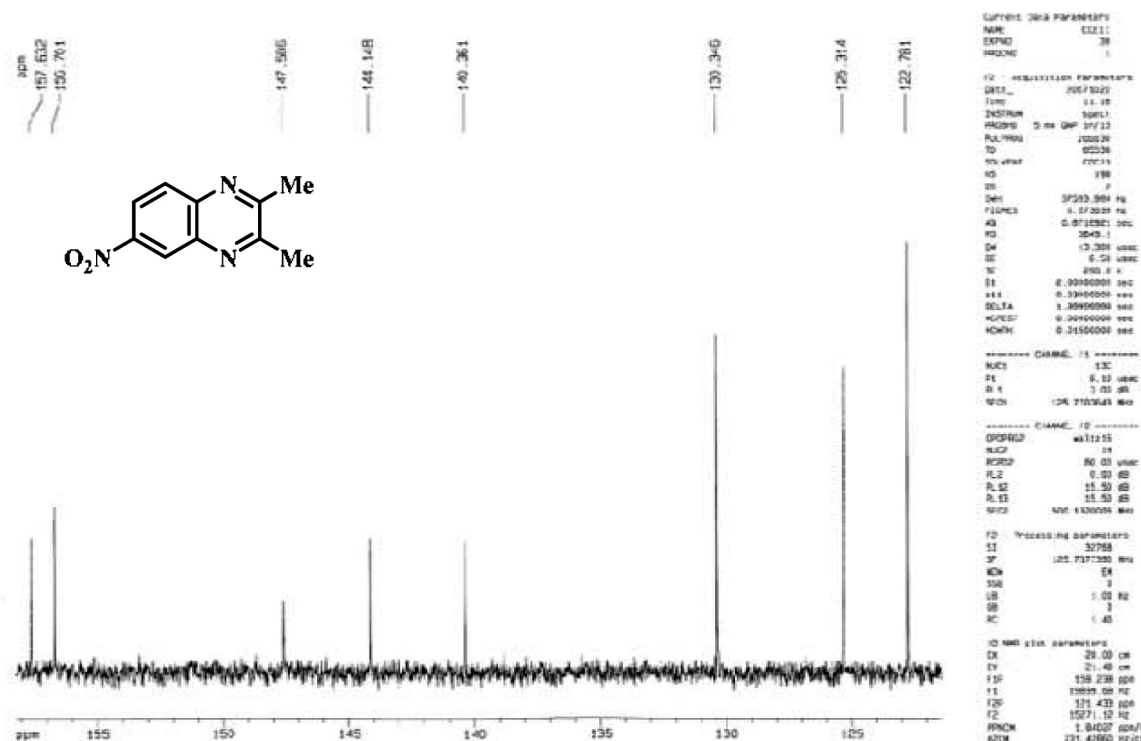
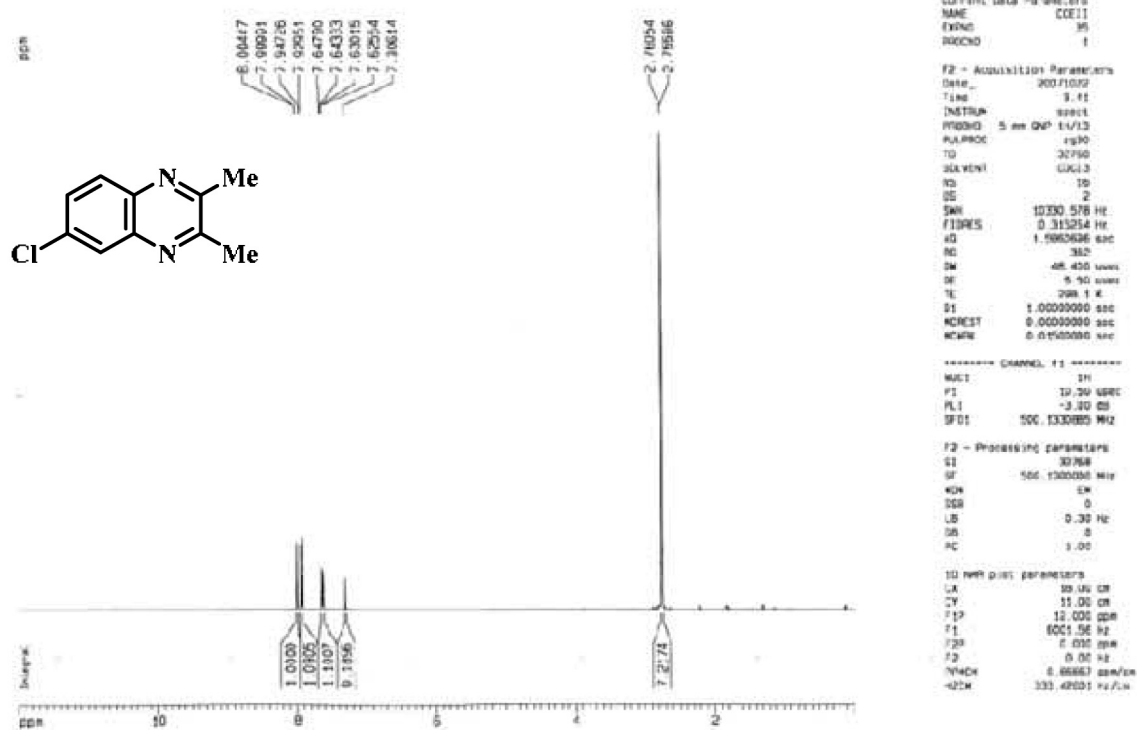
Figure S3a. ¹H NMR of **1j** (500 MHz, CDCl₃).Figure S3b. ¹H NMR of **1j** (500 MHz, CDCl₃).

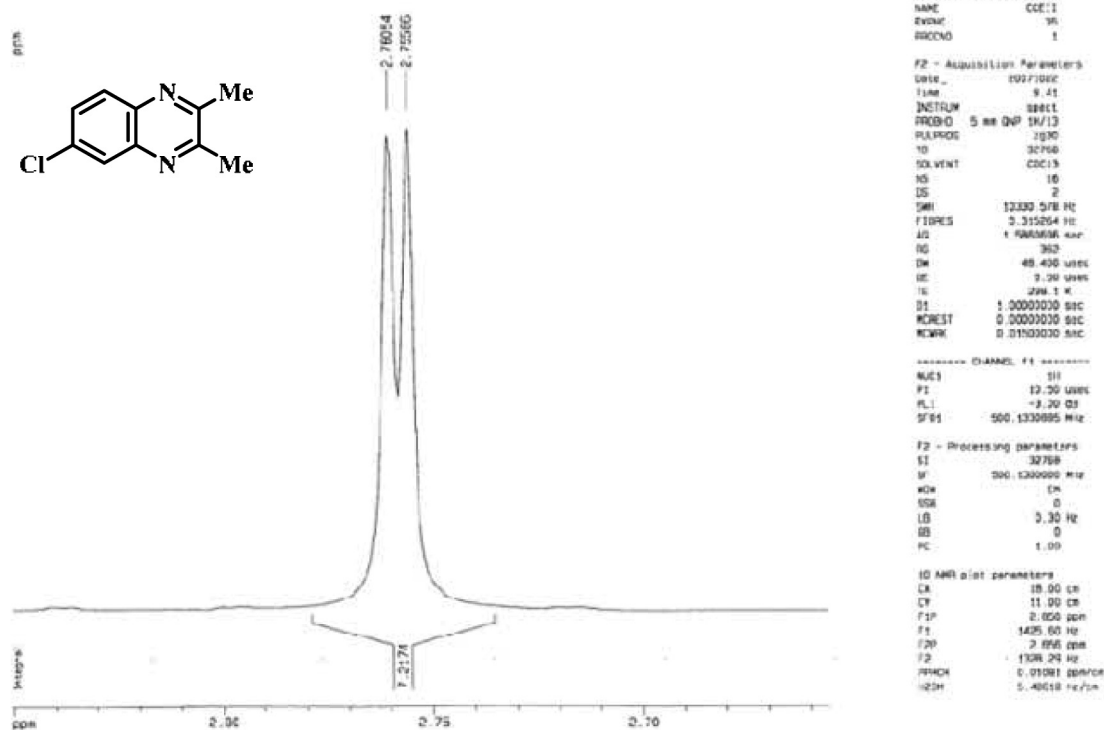
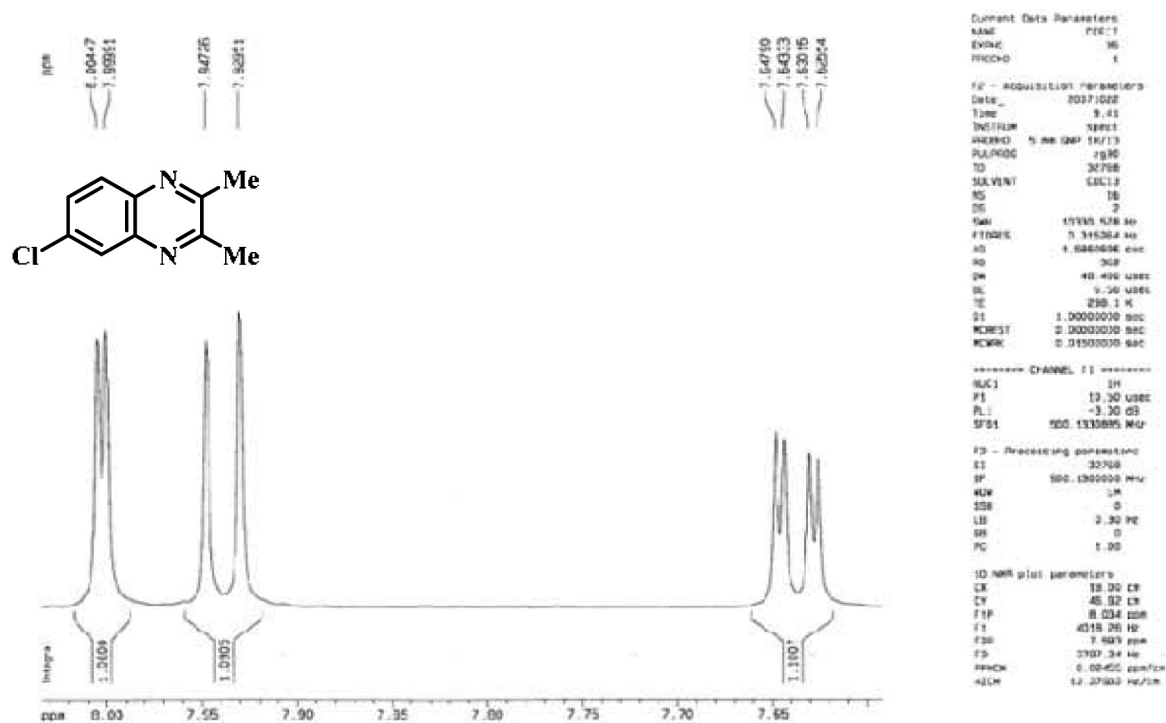
Figure S4a. ¹³C NMR of 1j (125 MHz, CDCl₃).Figure S4b. ¹³C NMR of 1j (125 MHz, CDCl₃).

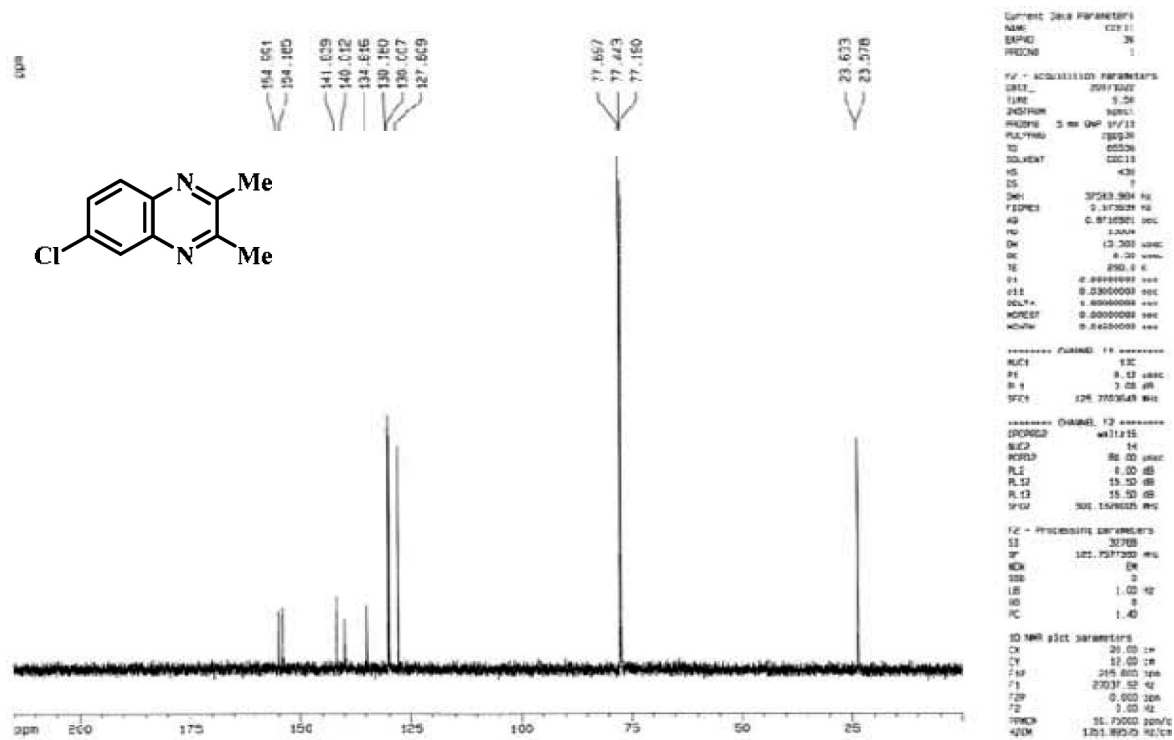
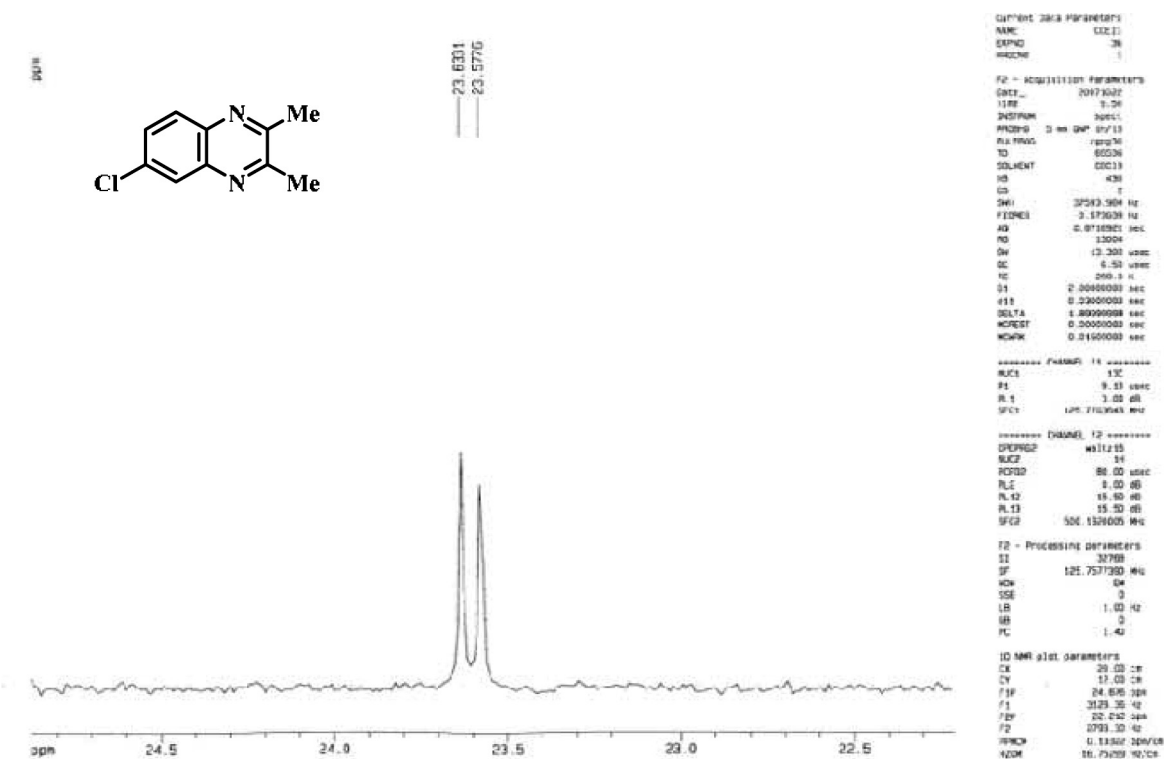
Figure S4c. ¹³C NMR of **1j** (125 MHz, CDCl₃).Figure S5a. ¹H NMR of **1k** (500 MHz, CDCl₃).

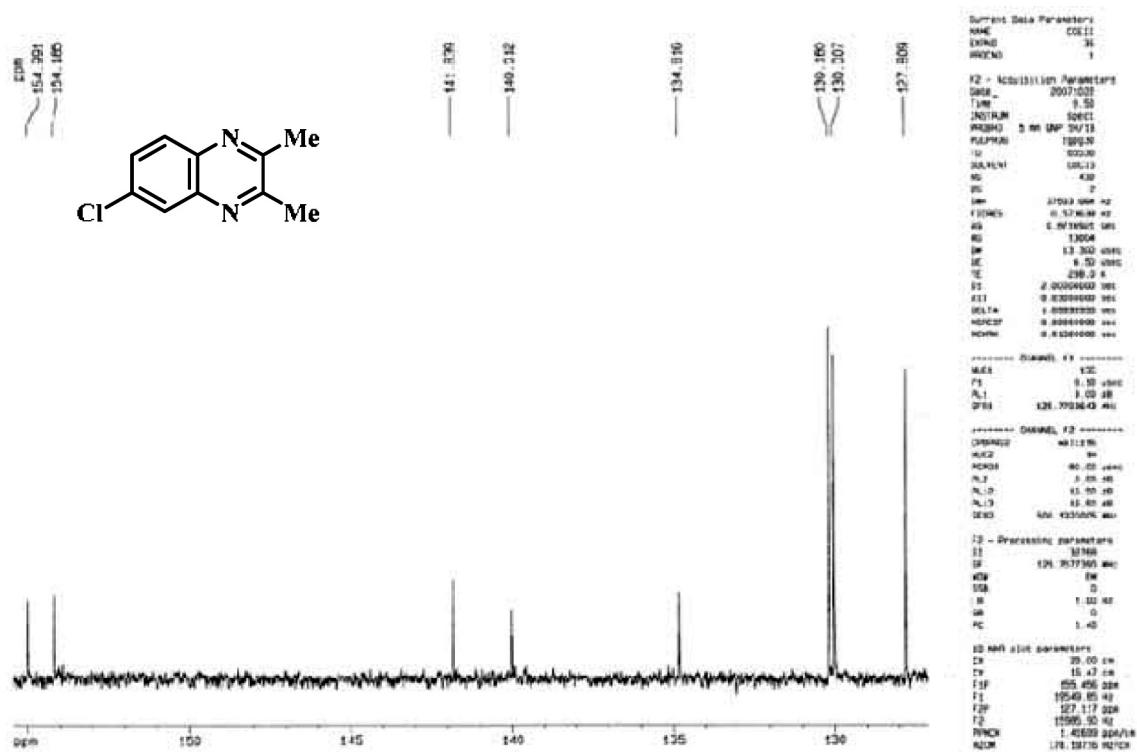
Figure S5b. ¹H NMR of 1k (500 MHz, CDCl₃).Figure S5c. ¹H NMR of 1k (500 MHz, CDCl₃).

Figure S6a. ^{13}C NMR of 1k (125 MHz, CDCl_3).Figure S6b. ^{13}C NMR of 1k (125 MHz, CDCl_3).

Figure S6c. ¹³C NMR of 1k (125 MHz, CDCl₃).Figure S7a. ¹H NMR of 1l (500 MHz, CDCl₃).

Figure S7b. ^1H NMR of **11** (500 MHz, CDCl_3).Figure S7c. ^1H NMR of **11** (500 MHz, CDCl_3).

Figure S8a. ¹³C NMR of 11 (125 MHz, CDCl₃).Figure S8b. ¹³C NMR of 11 (125 MHz, CDCl₃).

Figure S8c. ¹³C NMR of **11** (125 MHz, CDCl₃).