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Benign Approaches for the Microwave-assisted Synthesis of Quinoxalines

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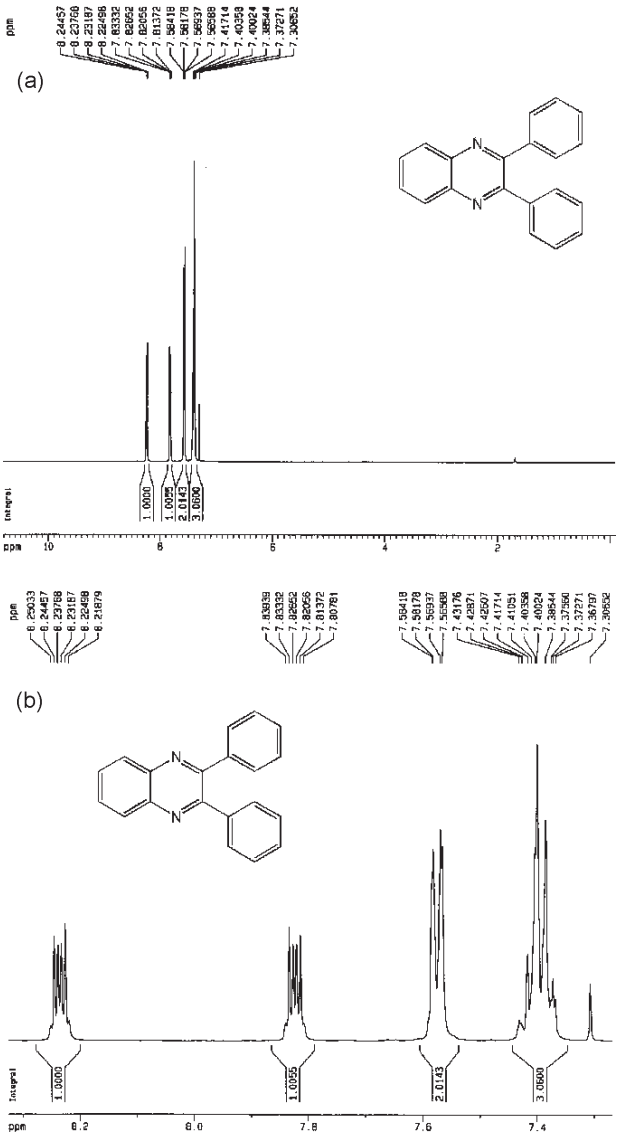

Figure S1. (a) ^{1}H NMR of **1a** (500 MHz, $CDCl_3$); (b) ^{1}H NMR of **1a** (500 MHz, $CDCl_3$).

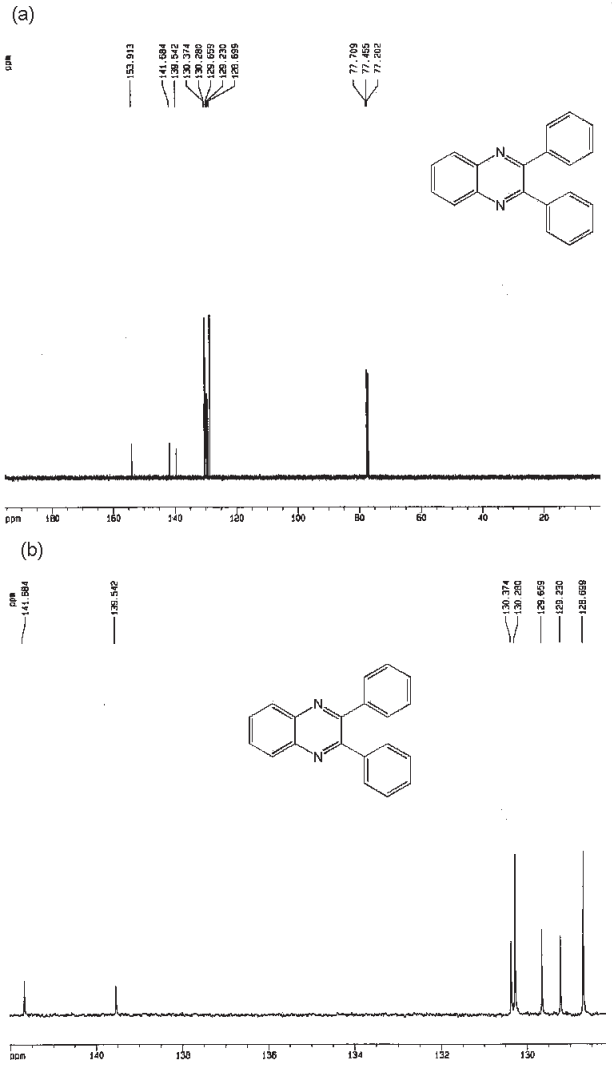

Figure S2. (a) ^{13}C NMR of **1a** (125 MHz, $CDCl_3$); (b) ^{13}C NMR of **1a** (125 MHz, $CDCl_3$).

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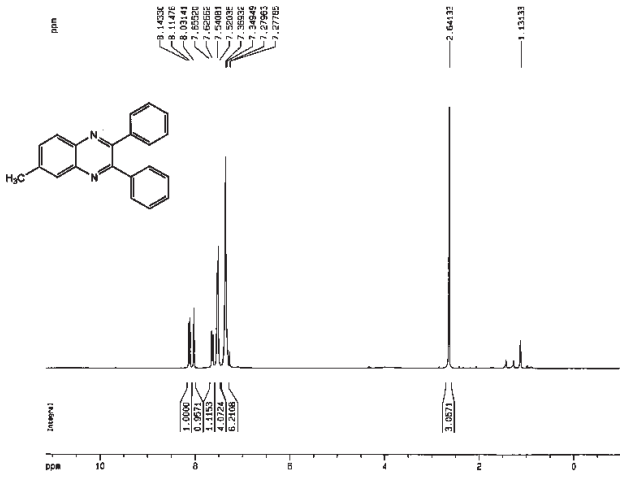
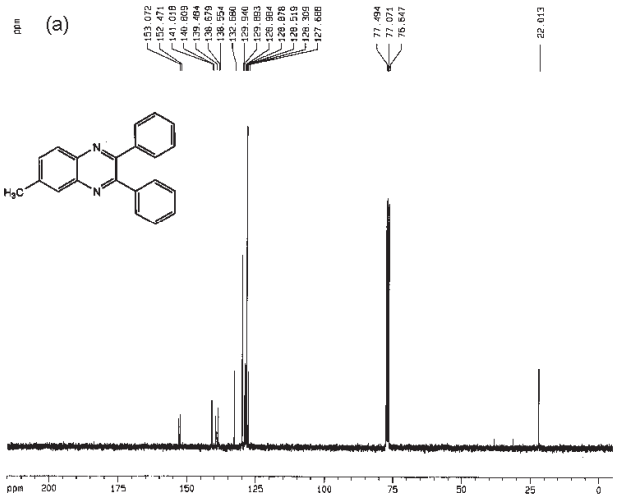
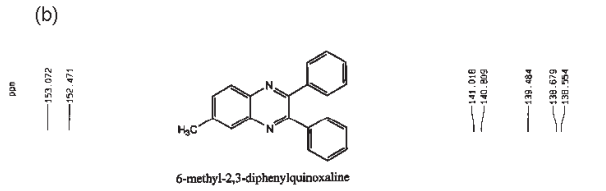


Figure S3. ^{1}H NMR of **1b** (500 MHz, $CDCl_3$).





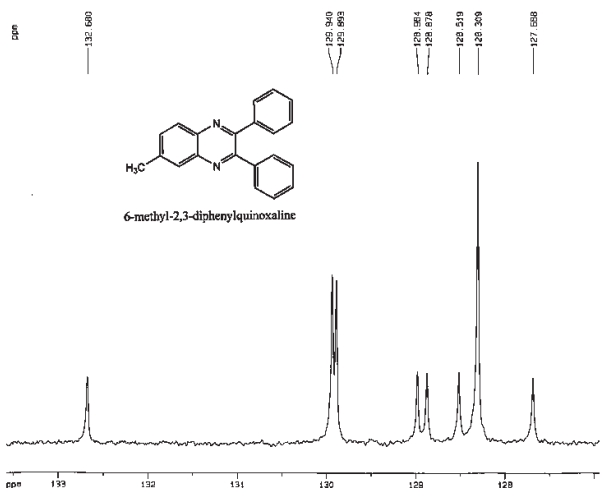


Figure S4. (a) ^{13}C NMR of **1b** (125 MHz, $CDCl_3$); (b) ^{13}C NMR of **1b** (125 MHz, $CDCl_3$); (c) ^{13}C NMR of **1b** (125 MHz, $CDCl_3$).

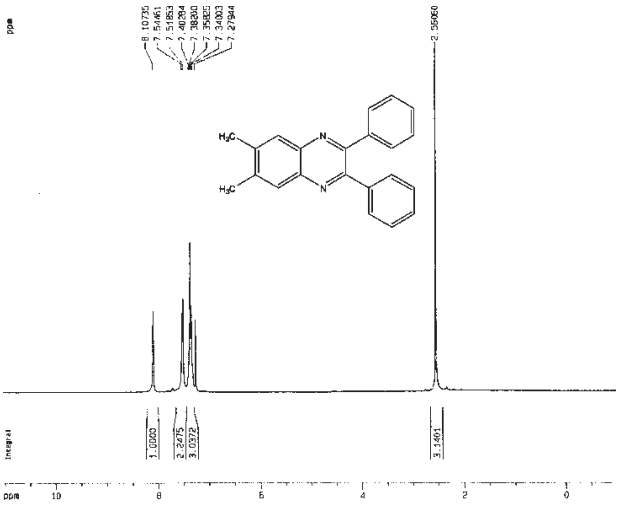


Figure S5. ^{1}H NMR of **1c** (500 MHz, $CDCl_3$).

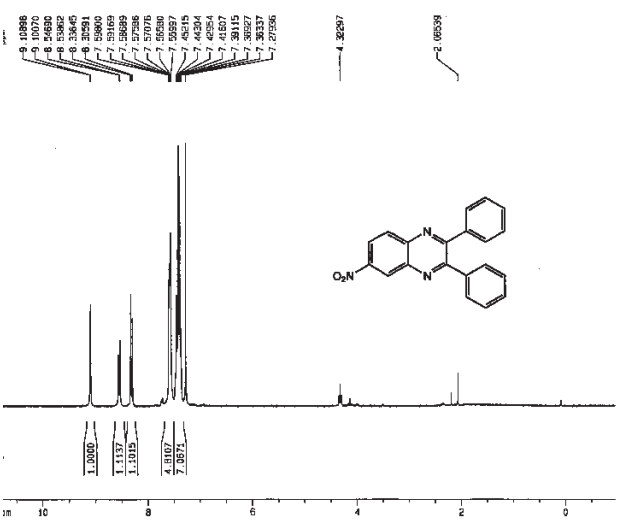
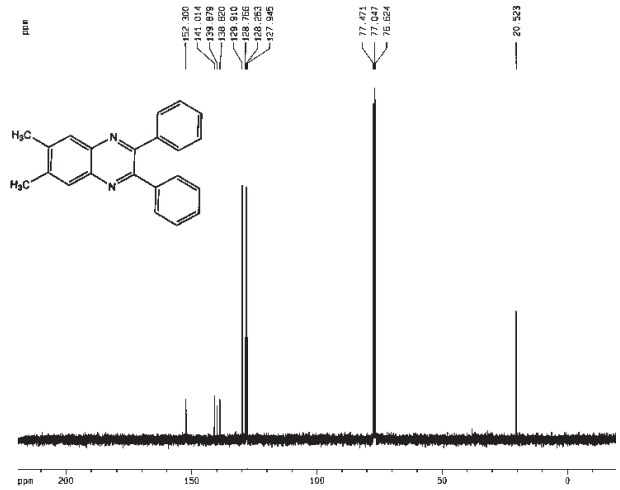


Figure S7. ^{1}H NMR of **1d** (500 MHz, $CDCl_3$).

(a)



(b)

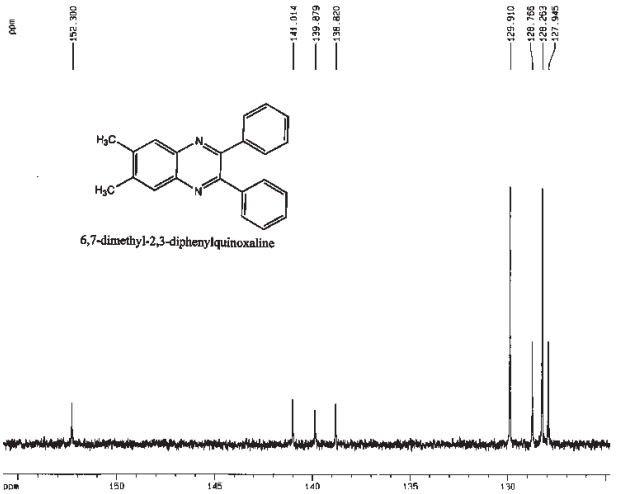


Figure S6. (a) ^{13}C NMR of **1c** (125 MHz, $CDCl_3$); (b) ^{13}C NMR of **1c** (125 MHz, $CDCl_3$).

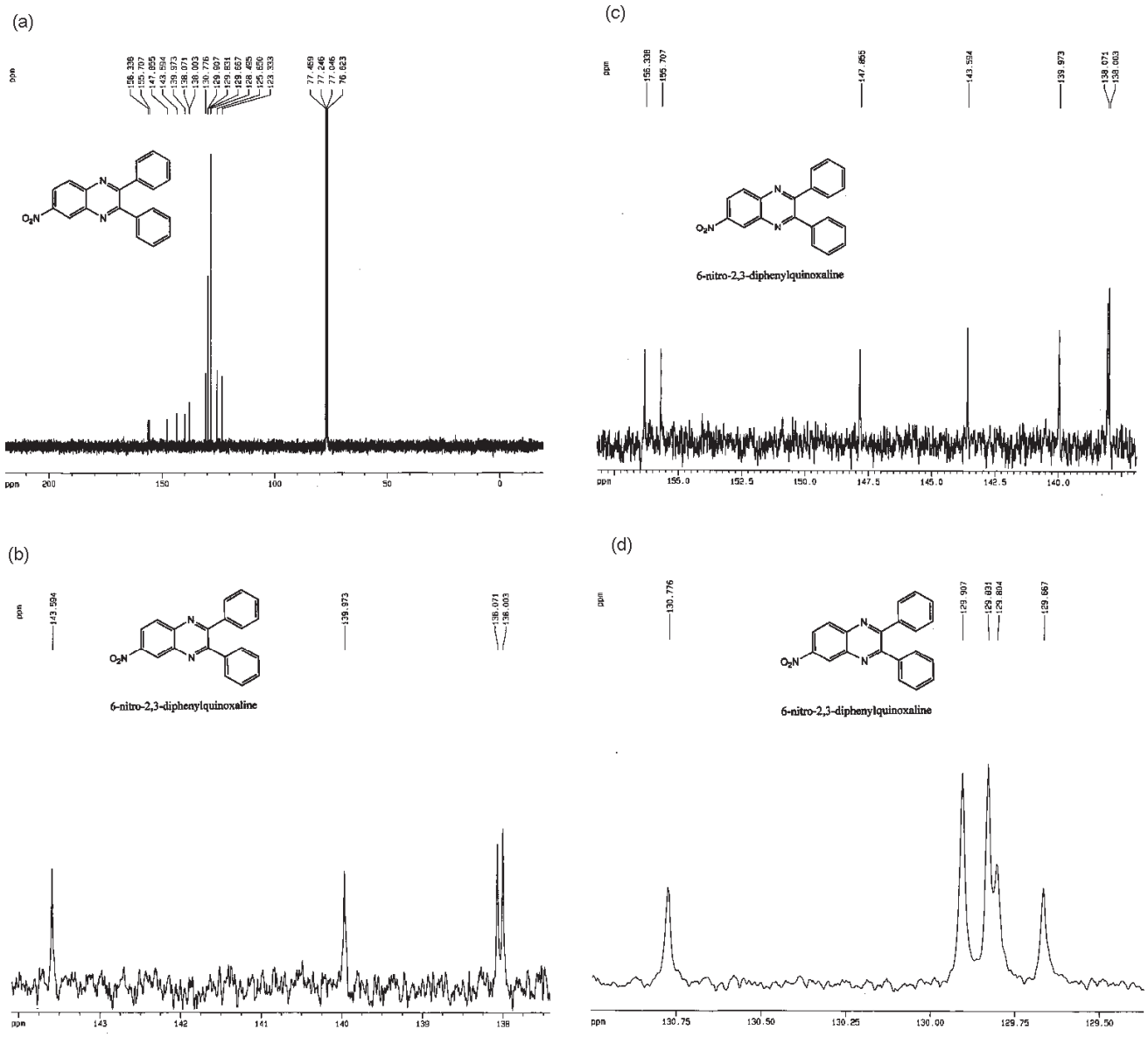


Figure S8. (a) ^{13}C NMR of **1d** (125 MHz, $CDCl_3$); (b) ^{13}C NMR of **1d** (125 MHz, $CDCl_3$); (c) ^{13}C NMR of **1d** (125 MHz, $CDCl_3$); (d) ^{13}C NMR of **1d** (125 MHz, $CDCl_3$).

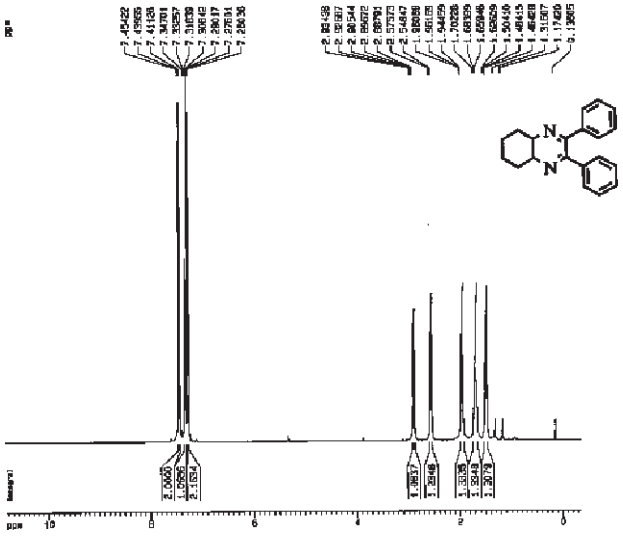


Figure S9. ^{1}H NMR of **1e** (500 MHz, $CDCl_3$).

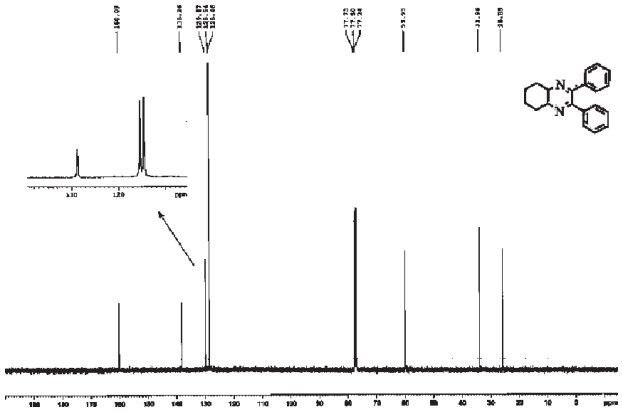


Figure S10. ^{13}C NMR of **1e** (125 MHz, $CDCl_3$).

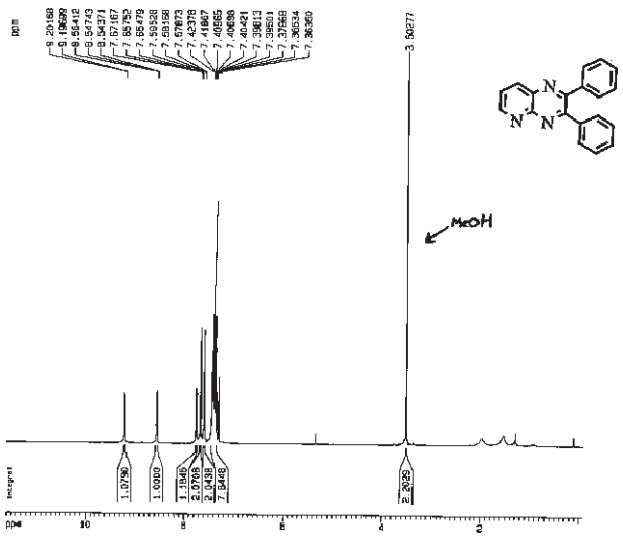


Figure S11. ^{1}H NMR of **1f** (500 MHz, $CDCl_3$).

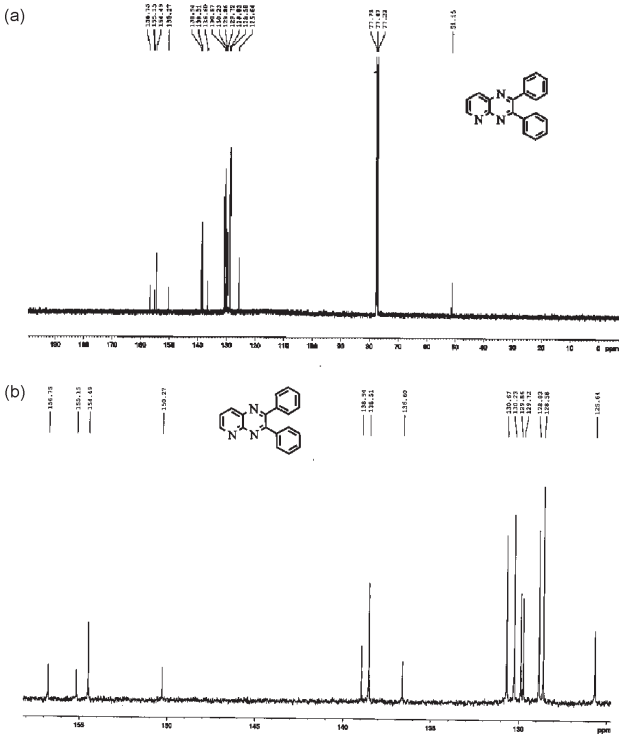


Figure S12. (a) ^{13}C NMR of **1f** (125 MHz, $CDCl_3$); (b) ^{13}C NMR of **1f** (125 MHz, $CDCl_3$).

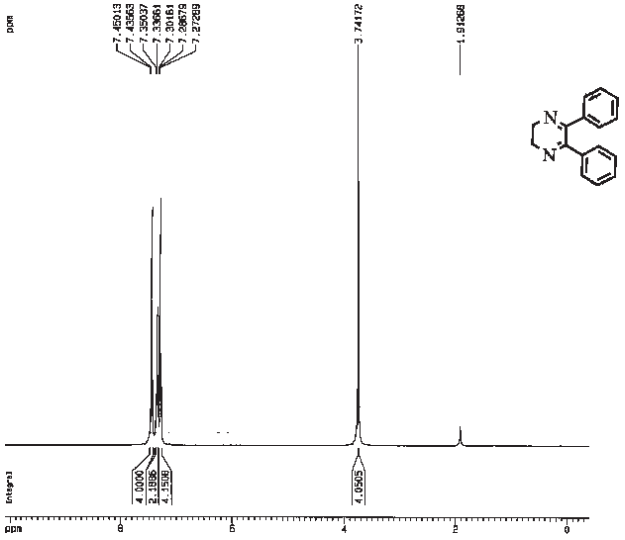


Figure S13. ^{1}H NMR of **1g** (500 MHz, $CDCl_3$).

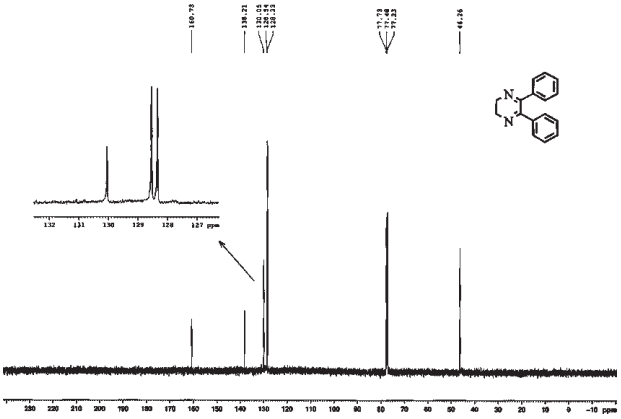


Figure S14. ^{13}C NMR of **1g** (125 MHz, $CDCl_3$).

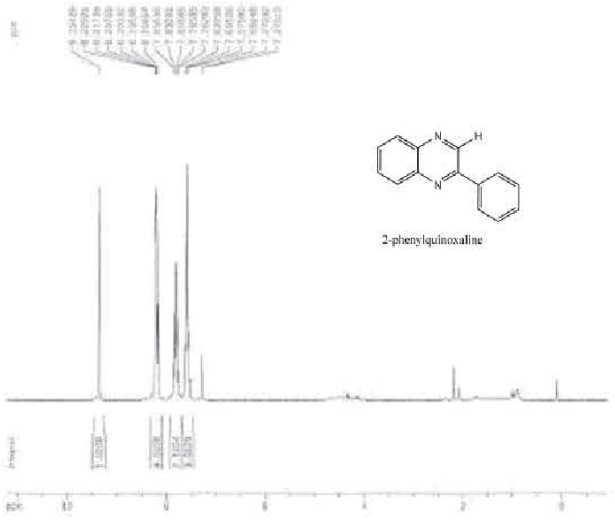


Figure S15. ^{1}H NMR of **1h** (500 MHz, $CDCl_3$).

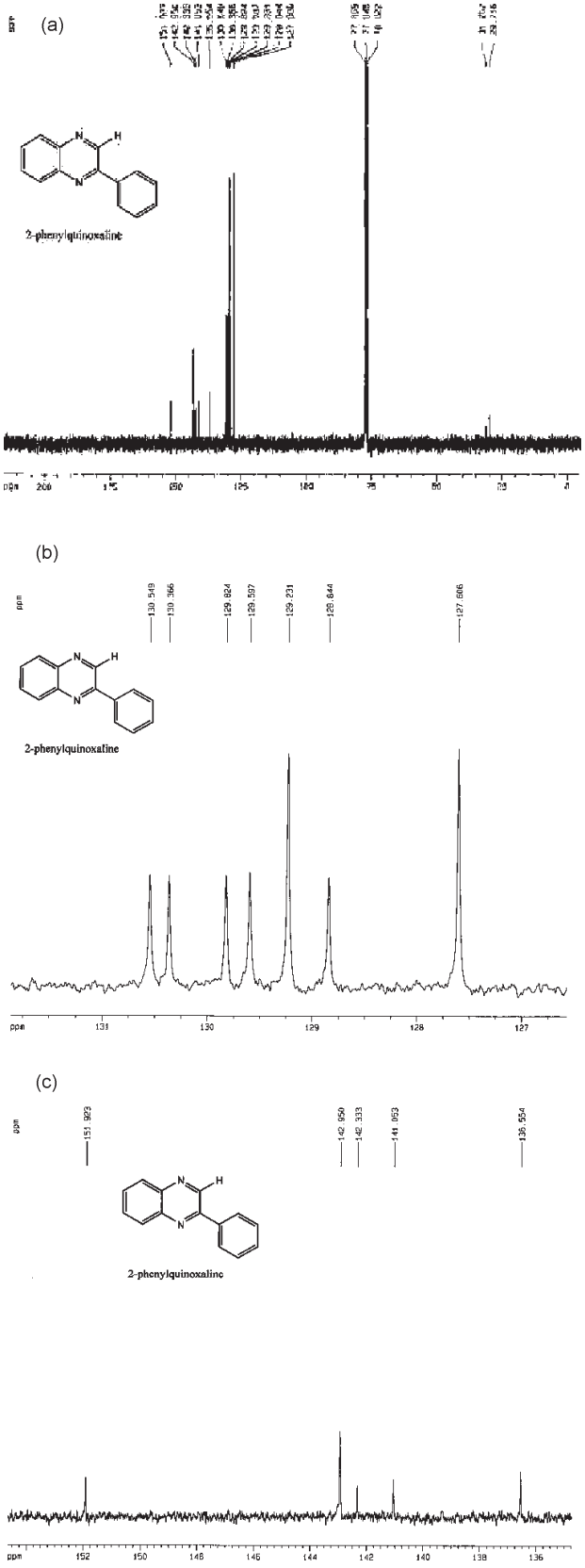


Figure S16. (a) ^{13}C NMR of **1h** (125 MHz, $CDCl_3$); (b) ^{13}C NMR of **1h** (125 MHz, $CDCl_3$); (c) ^{13}C NMR of **1h** (125 MHz, $CDCl_3$).