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Lewis Acid promoted Friedländer Condensation Reactions between Anthranilonitrile and Ketones for the Synthesis of Tacrine and its analogues

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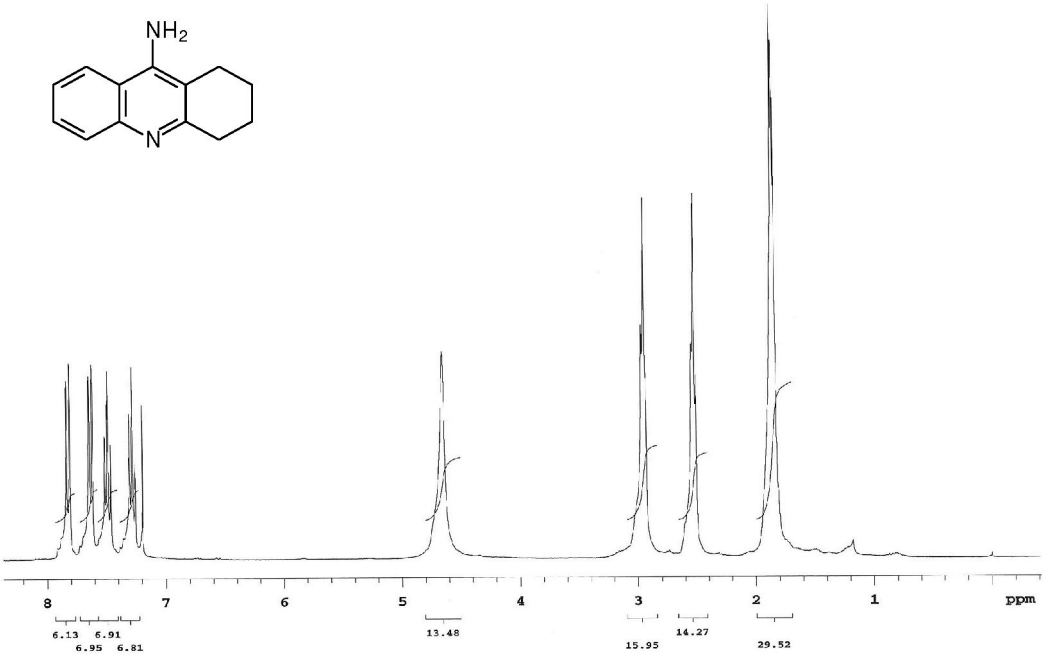

Figure S1. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **1a**.

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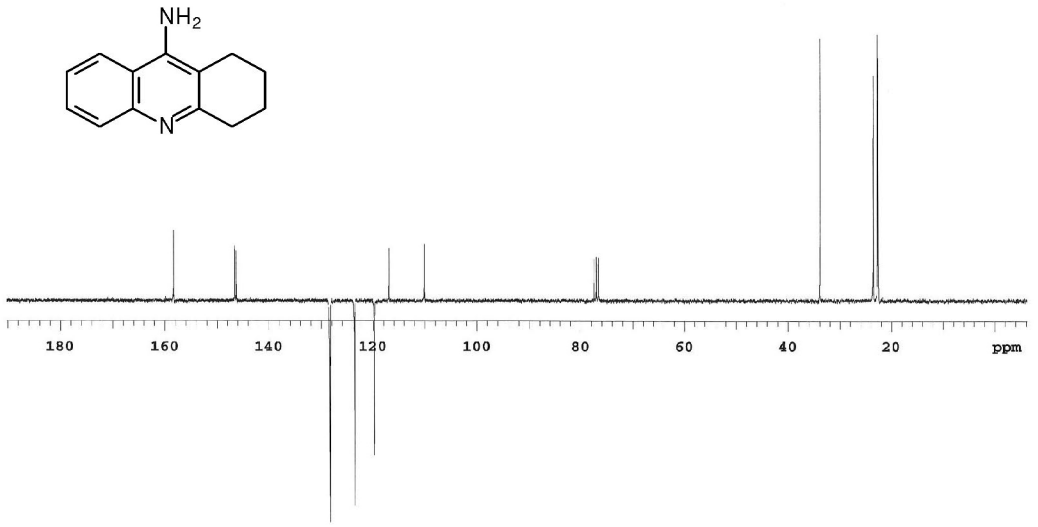

Figure S2. ^{13}C NMR spectrum APT (75 MHz, $CDCl_3$) of compound **1a**.

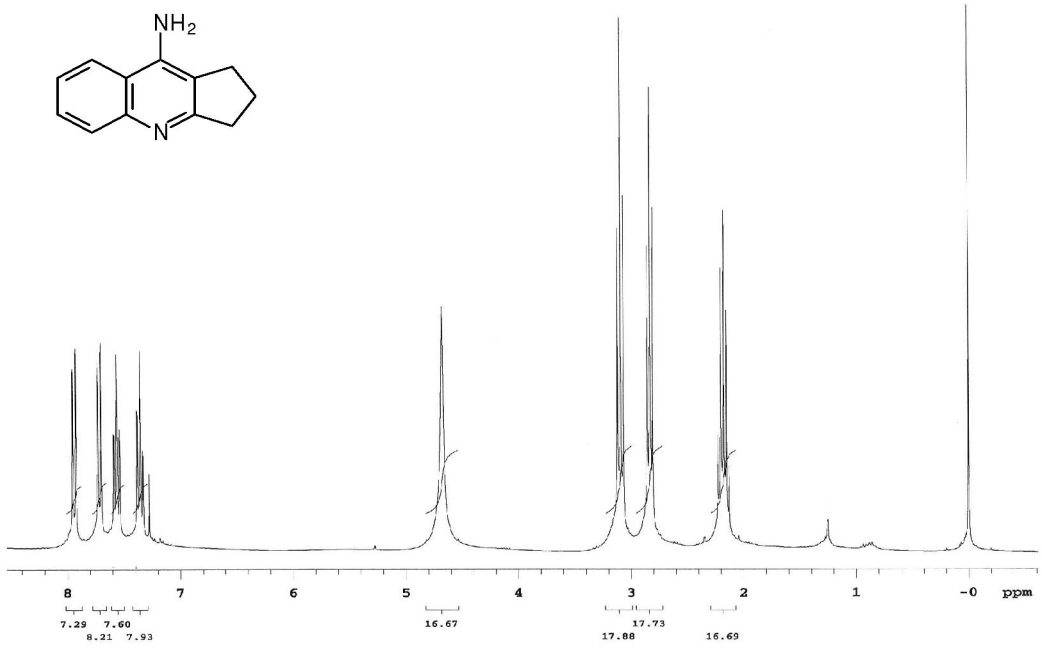

Figure S3. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **11**.

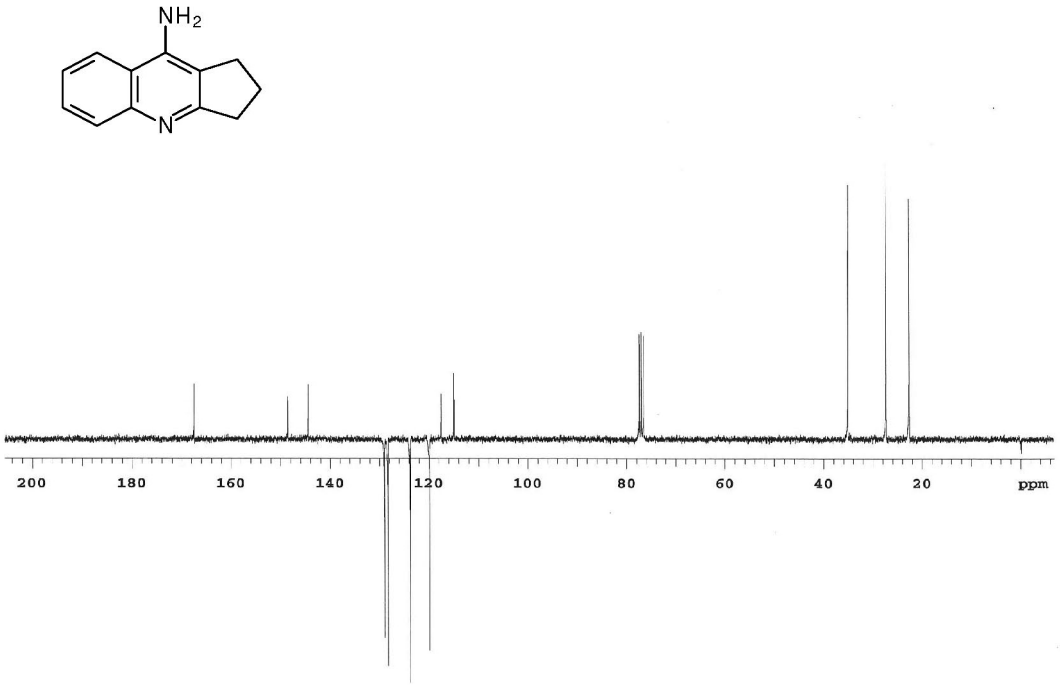

Figure S4. ^{13}C NMR spectrum APT (75 MHz, $CDCl_3$) of compound **11.**

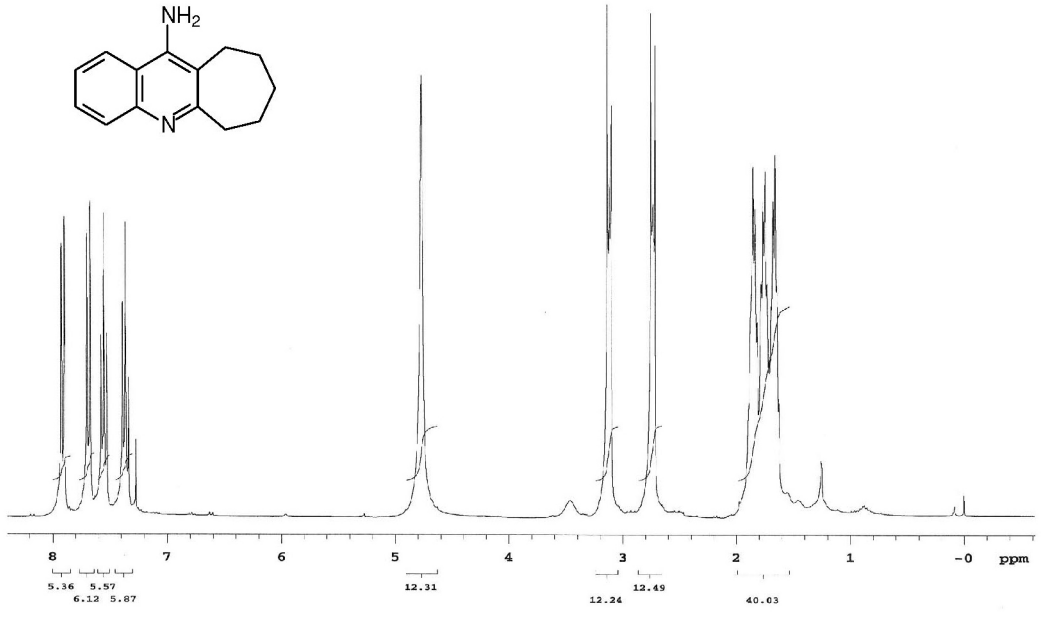

Figure S5. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **13**.

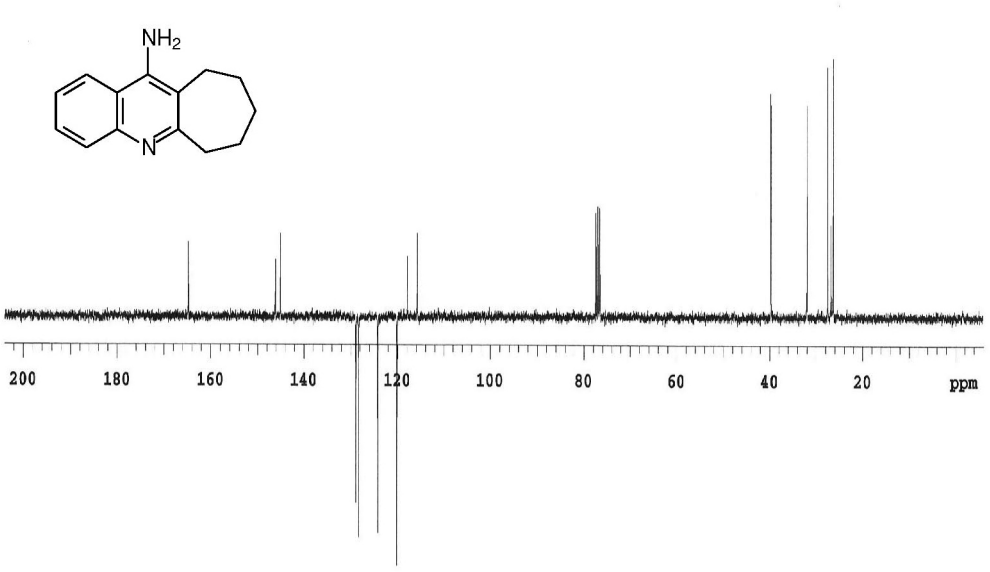

Figure S6. ^{13}C NMR spectrum APT (75 MHz, $CDCl_3$) of compound **13.**

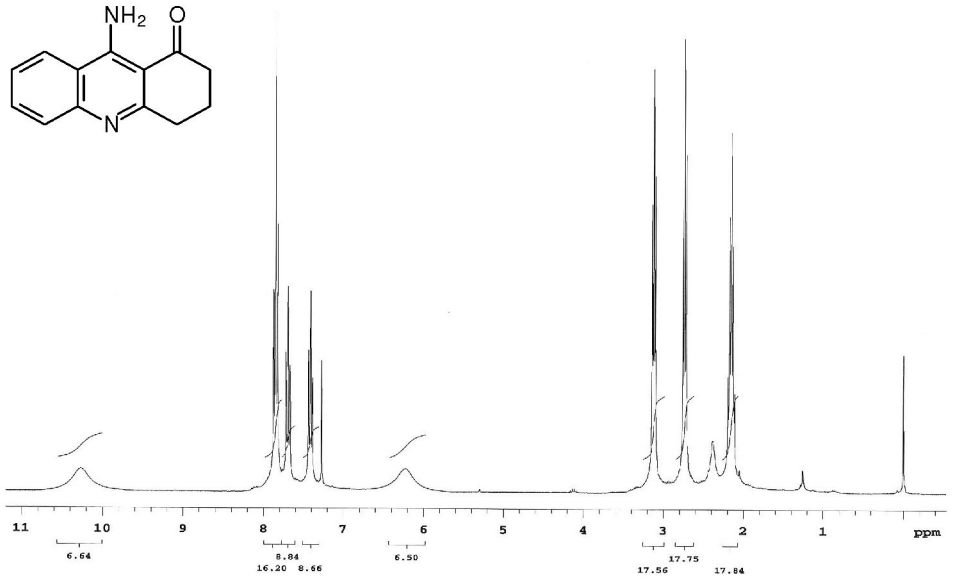

Figure S7. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **15**.

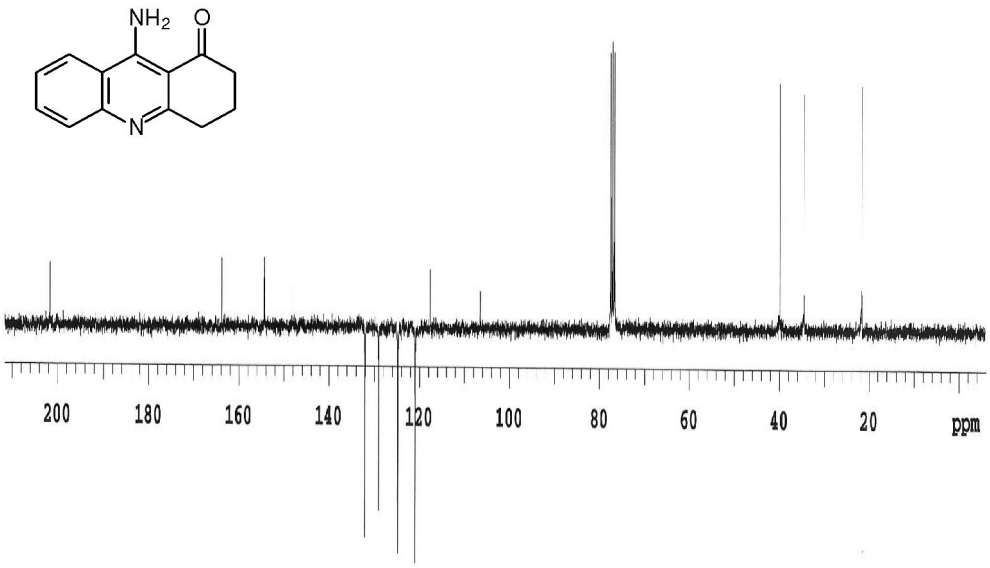

Figure S8. ^{13}C NMR spectrum APT (75 MHz, $CDCl_3$) of compound **15.**

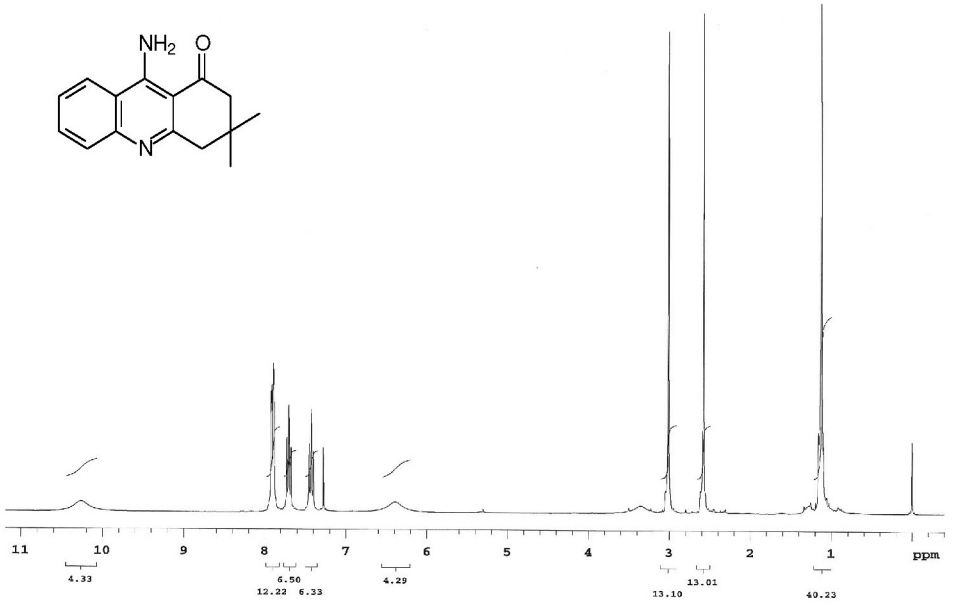

Figure S9. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **17**.

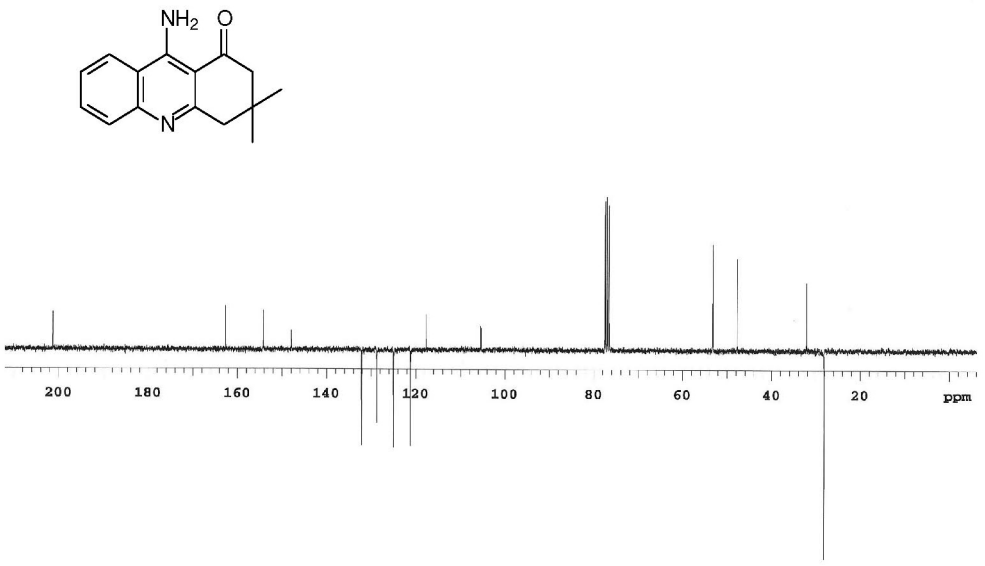

Figure S10. ^{13}C NMR spectrum APT (75 MHz, $CDCl_3$) of compound **17.**

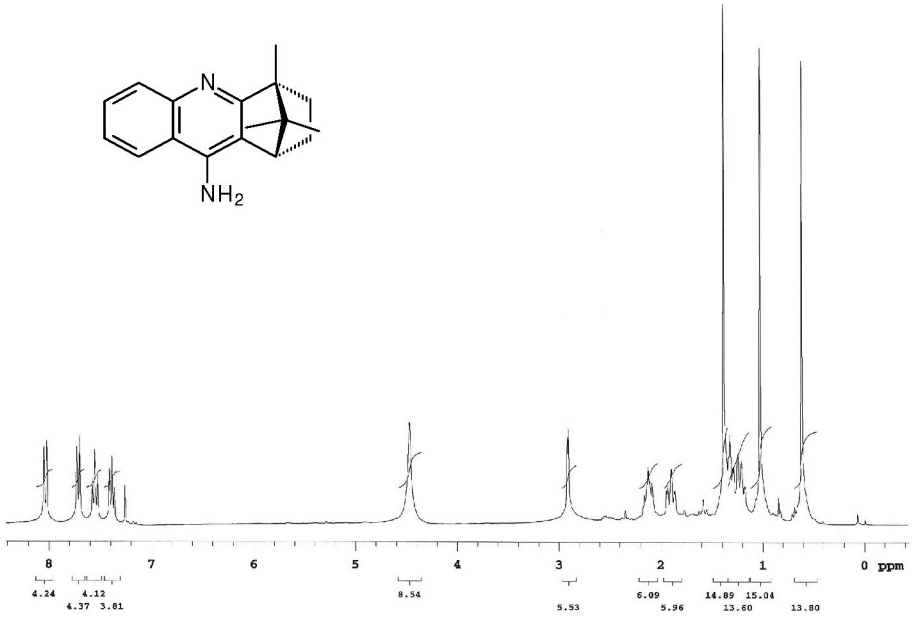

Figure S11. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **19**.

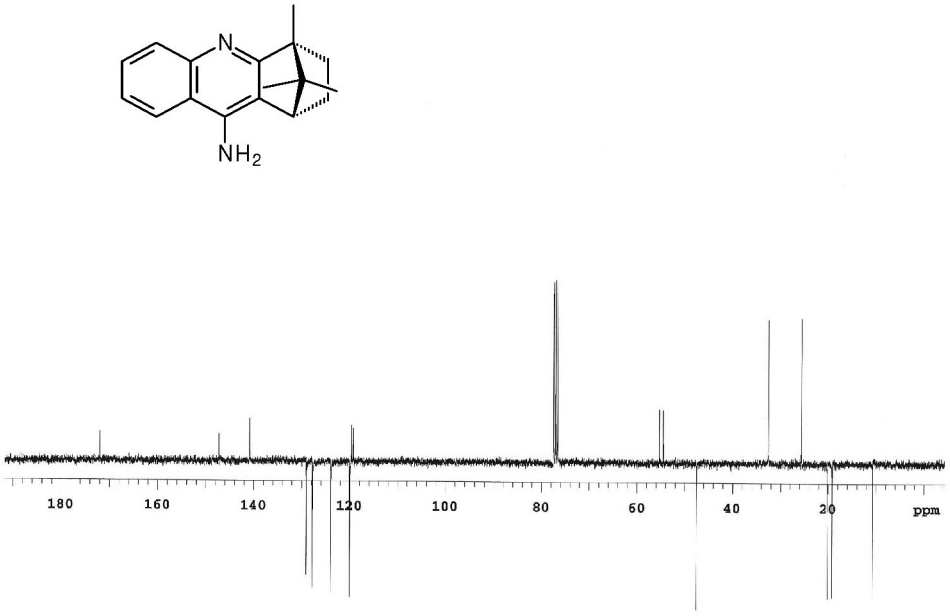

Figure S12. ^{13}C NMR spectrum APT (75 MHz, $CDCl_3$) of compound **19.**