

# Supplementary Information

## Cytotoxic Cordiaquinones from the Roots of *Cordia polycephala*

Hozana Patrícia S. Freitas,<sup>a</sup> Ana Isabel V. Maia,<sup>a</sup> Edilberto R. Silveira,<sup>a</sup>  
José Delano B. Marinho Filho,<sup>b</sup> Manoel O. Moraes,<sup>b</sup> Cláudia Pessoa,<sup>b</sup>  
Letícia V. Costa Lotufo<sup>b</sup> and Otilia Deusdênia L. Pessoa<sup>\*,a</sup>

<sup>a</sup>Departamento de Química Orgânica e Inorgânica, Universidade Federal do Ceará,  
CP 12.200, 60021-940 Fortaleza-CE, Brazil

<sup>b</sup>Departamento de Farmacologia e Fisiologia, Universidade Federal do Ceará,  
CP 3157, 60430-270 Fortaleza-CE, Brazil

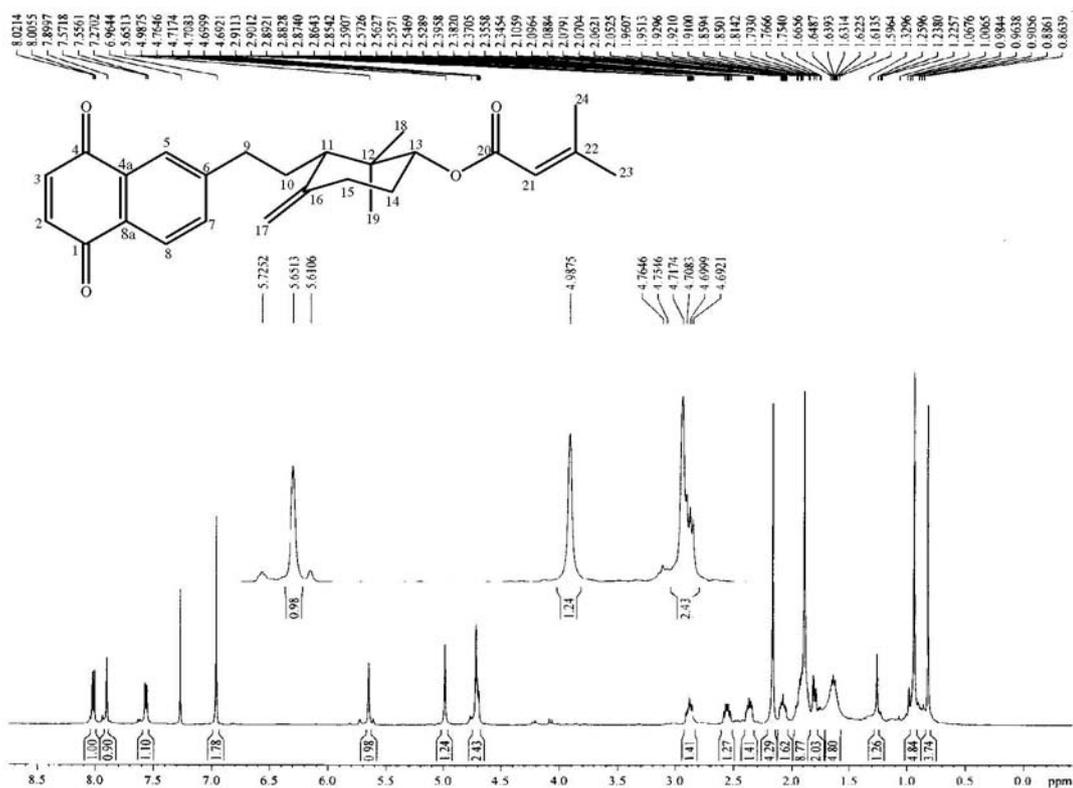


Figure S1. <sup>1</sup>H NMR spectrum of cordiaquinone N (1) in CDCl<sub>3</sub> at 500 MHz.

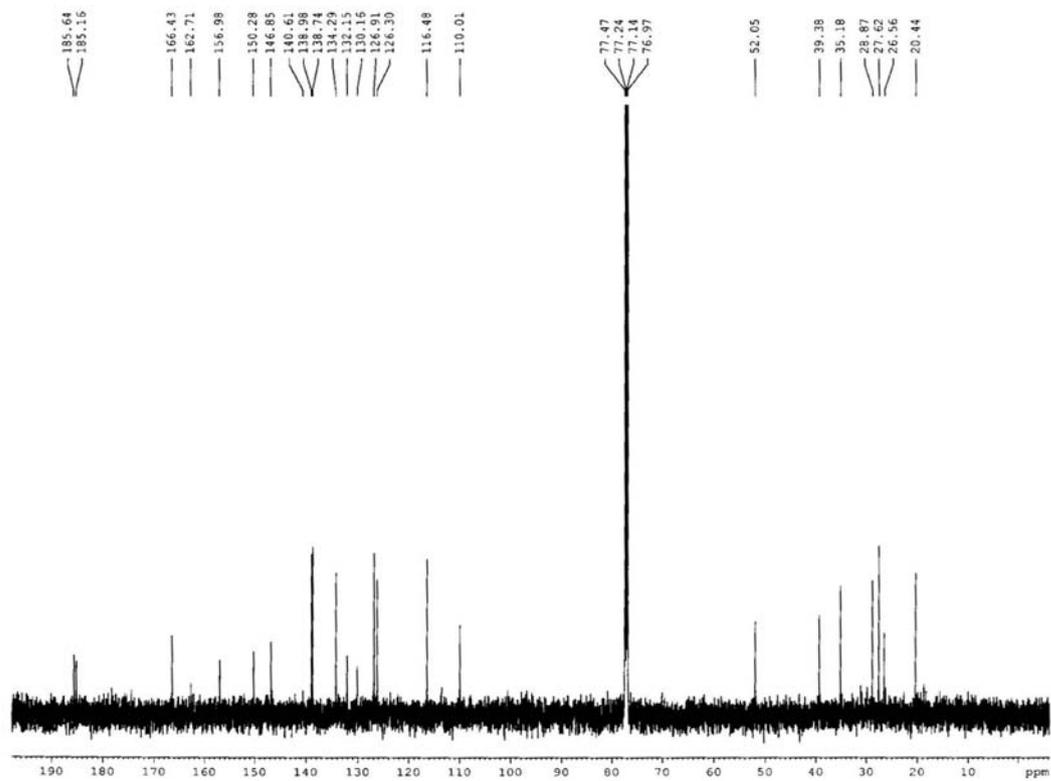


Figure S2.  $^{13}\text{C}$  NMR spectrum of cordiaquinone N (**1**) in  $\text{CDCl}_3$  at 125 MHz.

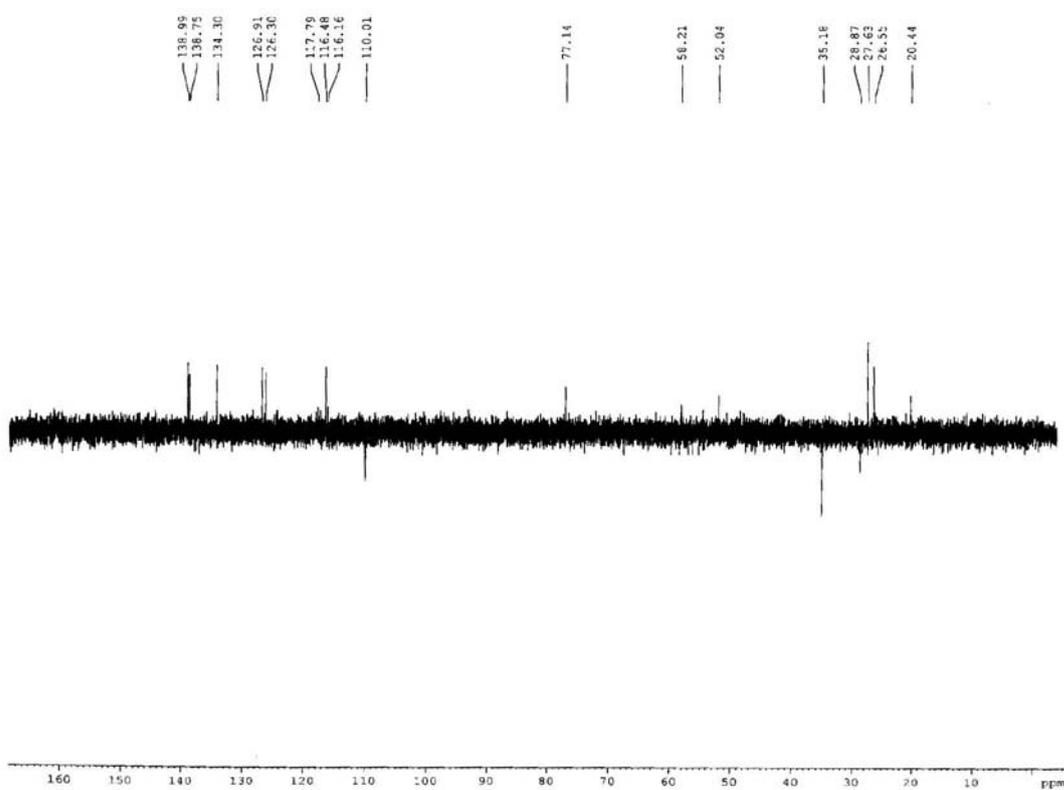
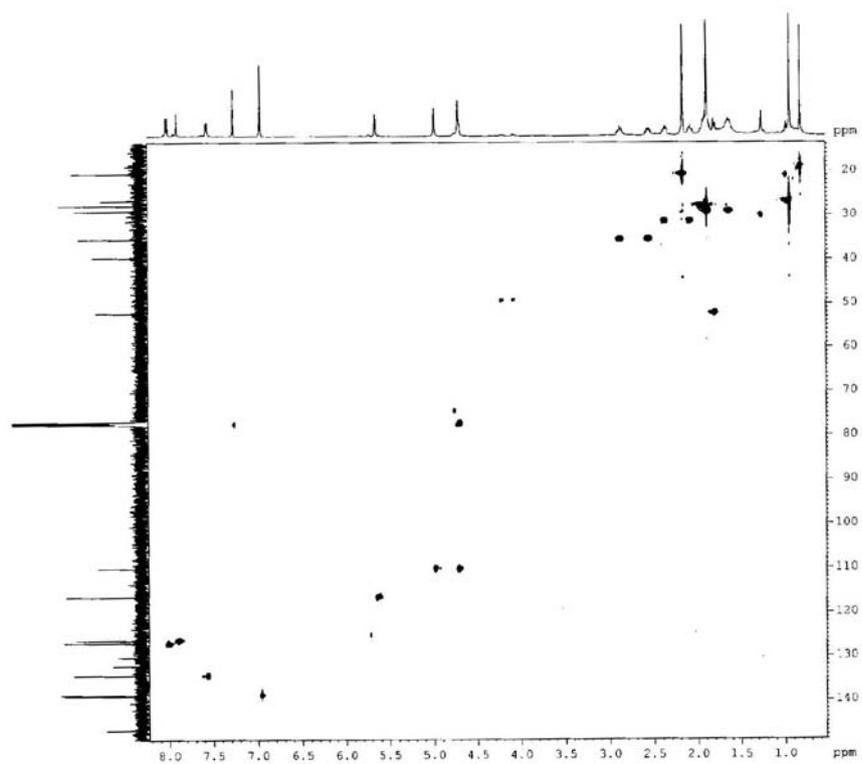
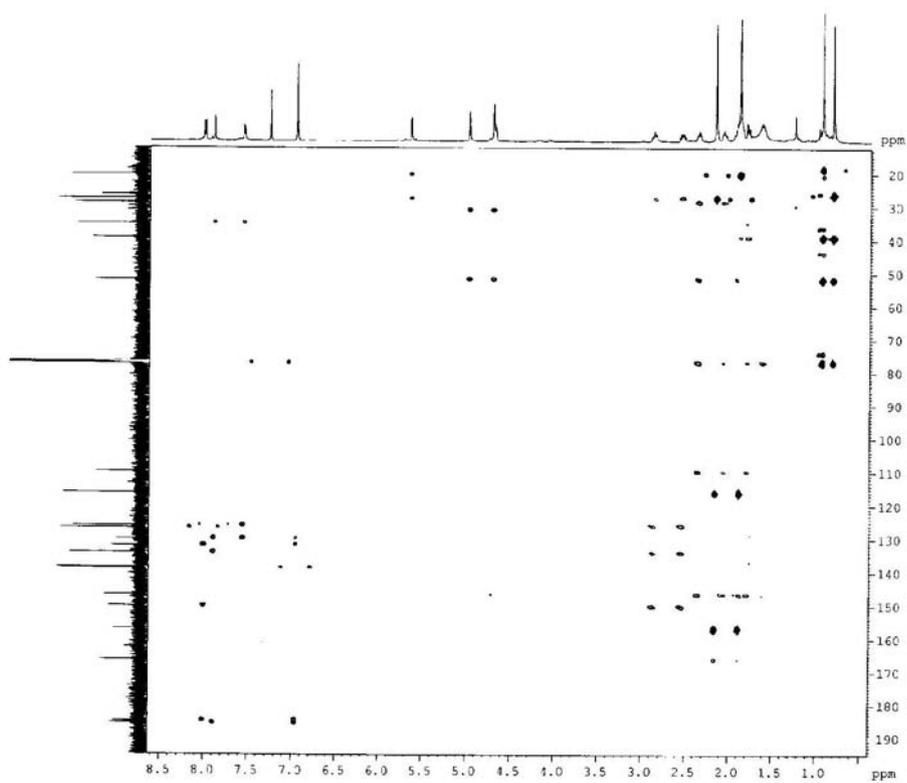


Figure S3.  $^{13}\text{C}$  DEPT-135 NMR spectrum of cordiaquinone N (**1**) in  $\text{CDCl}_3$  at 125 MHz.



**Figure S4.** HSQC spectrum of cordiaquinone N (**1**) in  $\text{CDCl}_3$  at 500 and 125 MHz.



**Figure S5.** HMBC spectrum of cordiaquinone N (**1**) in  $\text{CDCl}_3$  at 500 and 125 MHz.

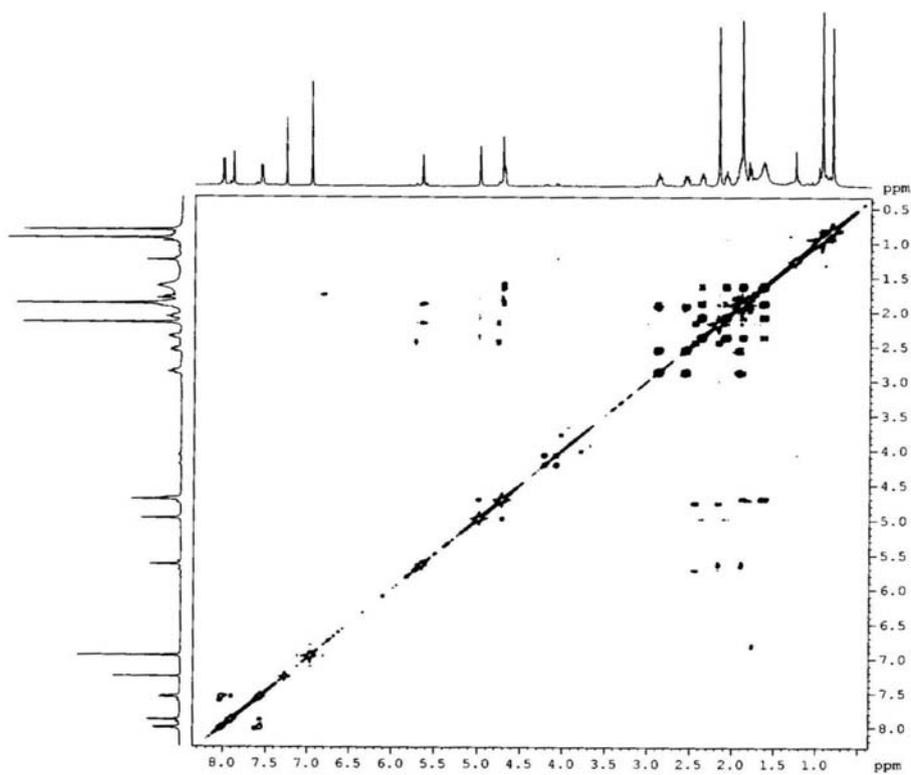


Figure S6. COSY spectrum of cordiaquinone N (1) in CDCl<sub>3</sub> at 500 MHz.

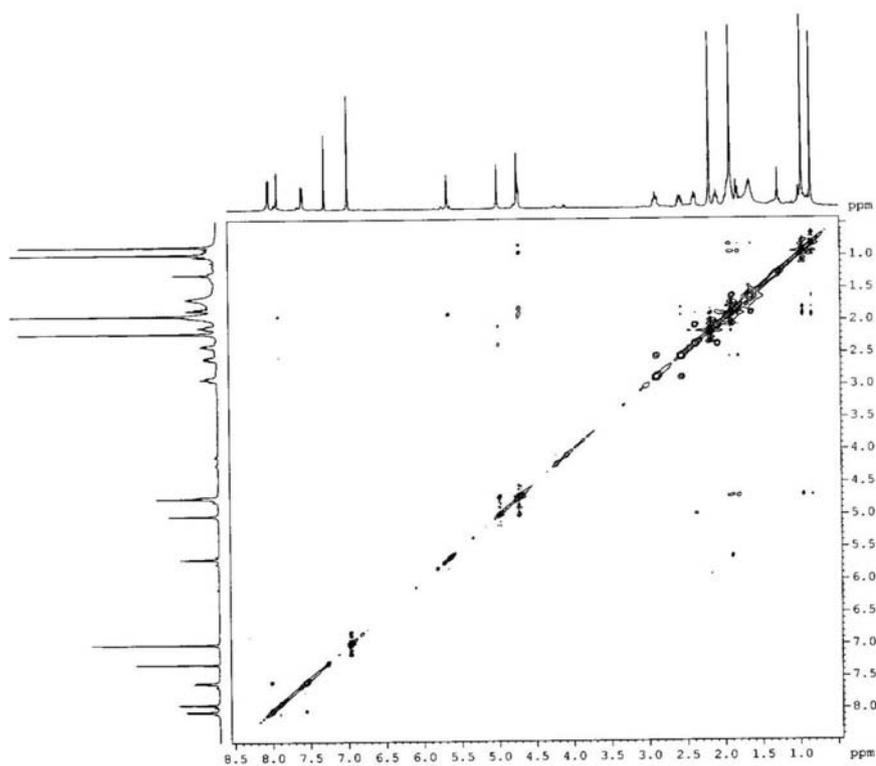
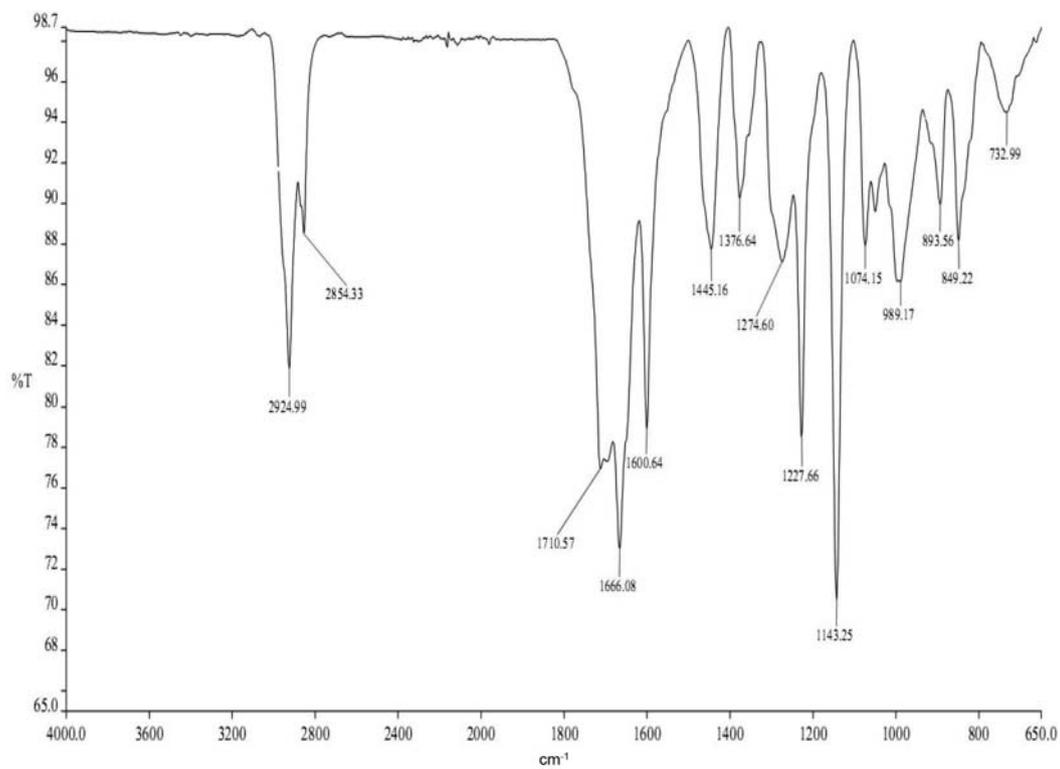
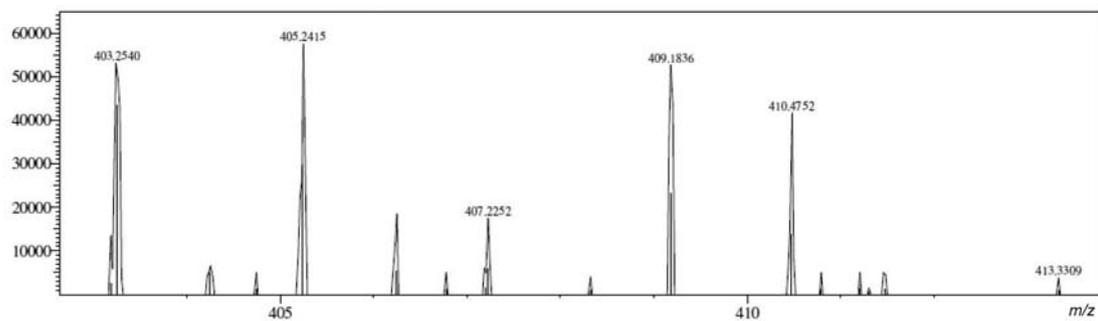


Figure S7. NOESY spectrum of cordiaquinone N (1) in CDCl<sub>3</sub> at 500 MHz.



**Figure S8.** IR spectrum of cordiaquinone N (1).



**Figure S9.** ESIMS (positive mode) spectrum of cordiaquinone N (1).

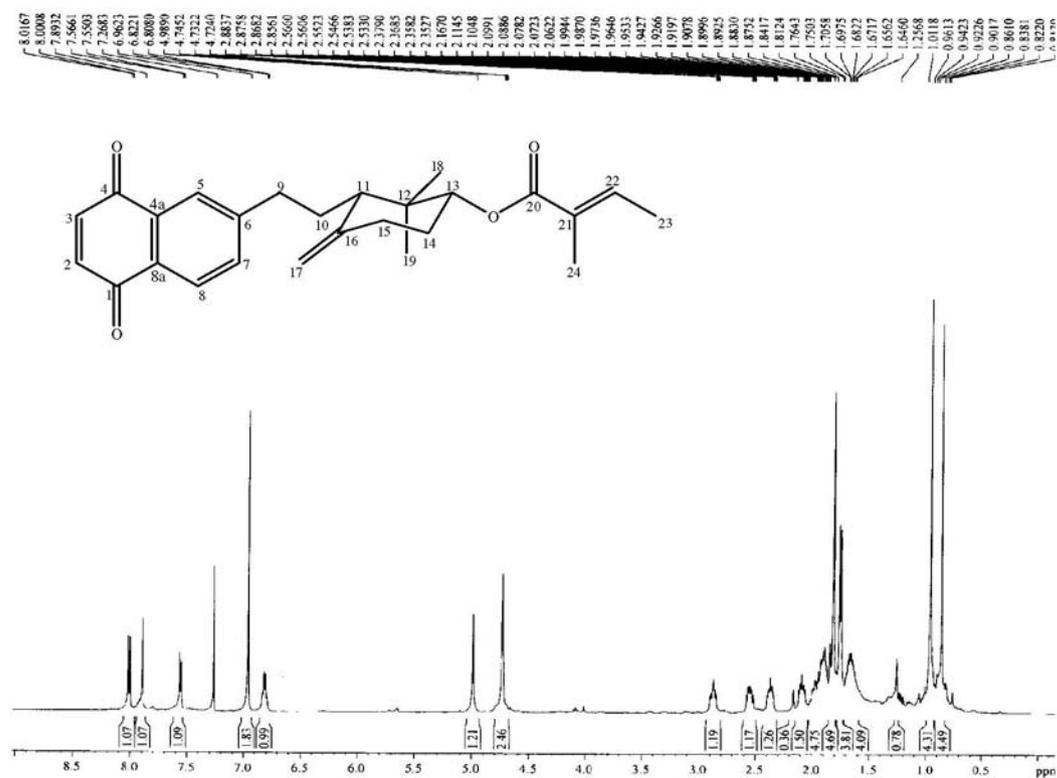


Figure S10.  $^1\text{H}$  NMR spectrum of cordiaquinone O (2) in  $\text{CDCl}_3$  at 500 MHz.

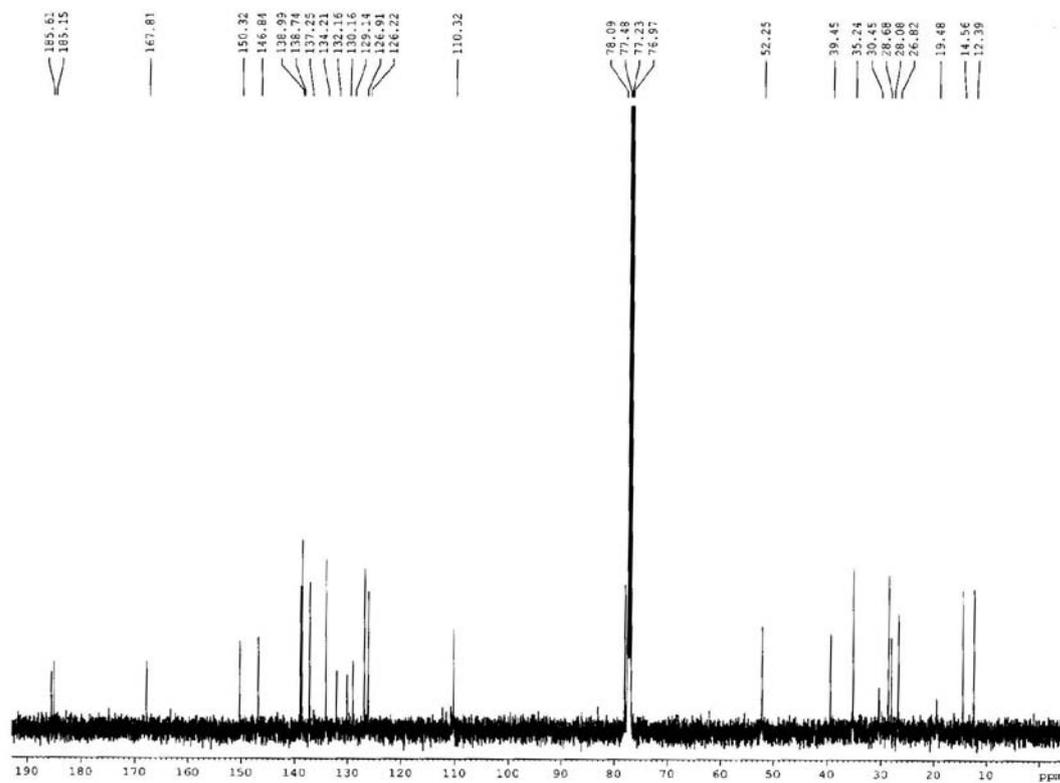
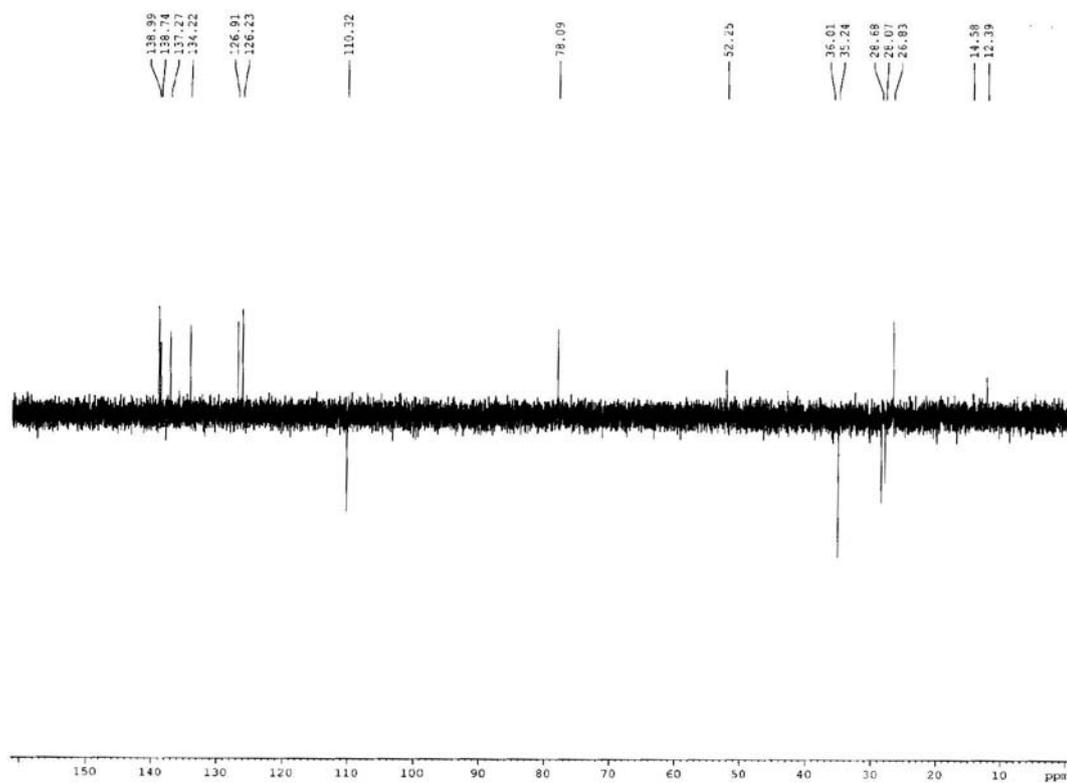
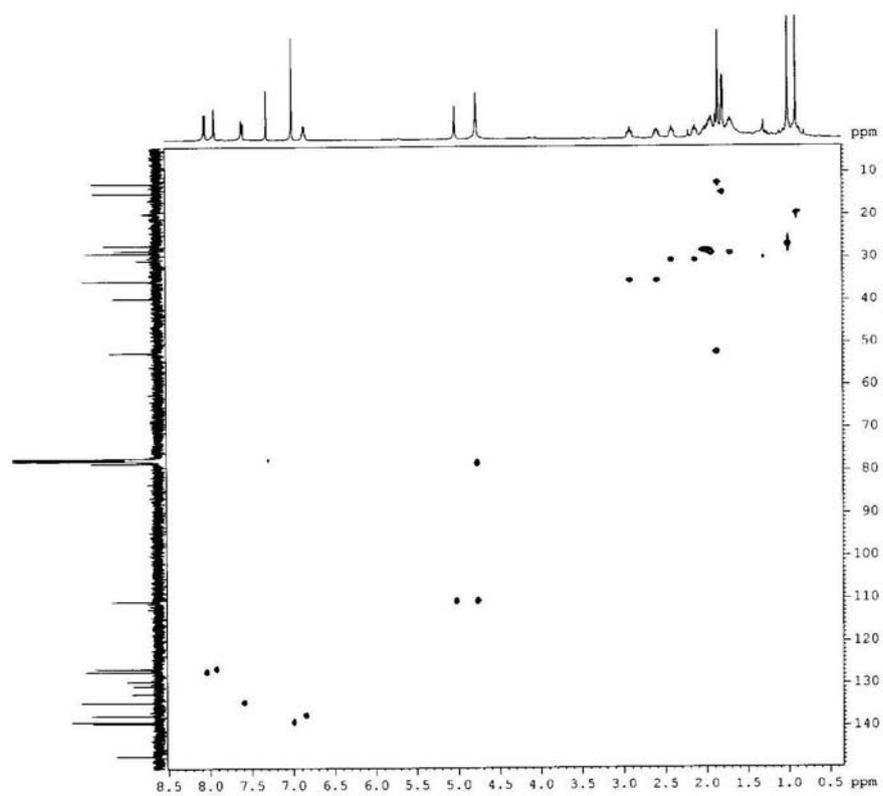


Figure S11.  $^{13}\text{C}$  NMR spectrum of cordiaquinone O (2) in  $\text{CDCl}_3$  at 125 MHz.



**Figure S12.**  $^{13}\text{C}$  DEPT-135° NMR spectrum of cordiaquinone O **2** in  $\text{CDCl}_3$  at 125 MHz.



**Figure S13.** HSQC spectrum of cordiaquinone O (**2**) in  $\text{CDCl}_3$  at 500 and 125 MHz.

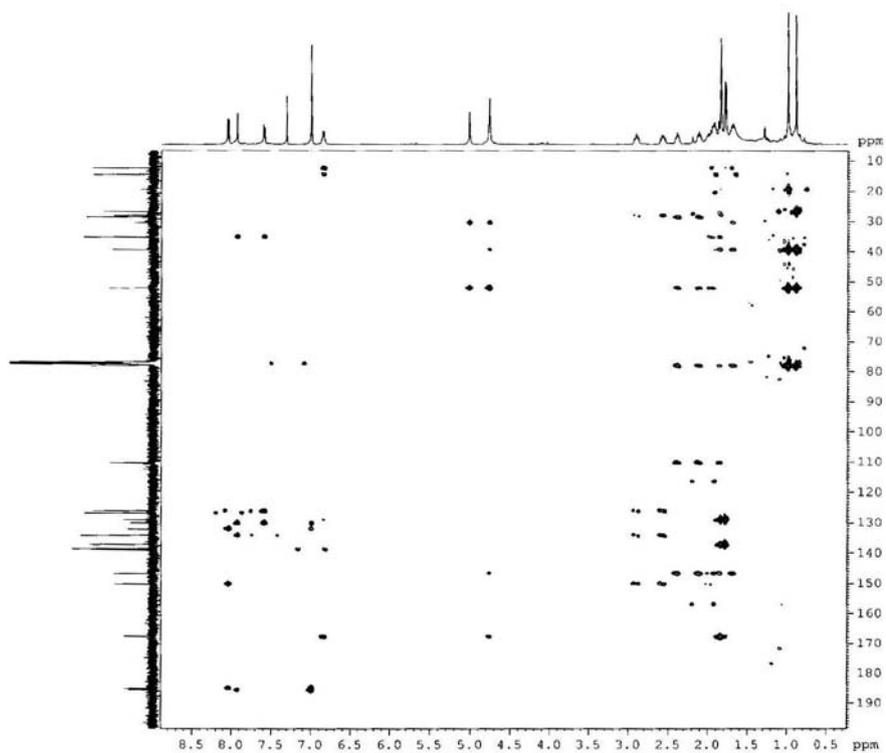


Figure S14. HMBC spectrum of cordiaquinone O (2) in CDCl<sub>3</sub> at 500 and 125 MHz.

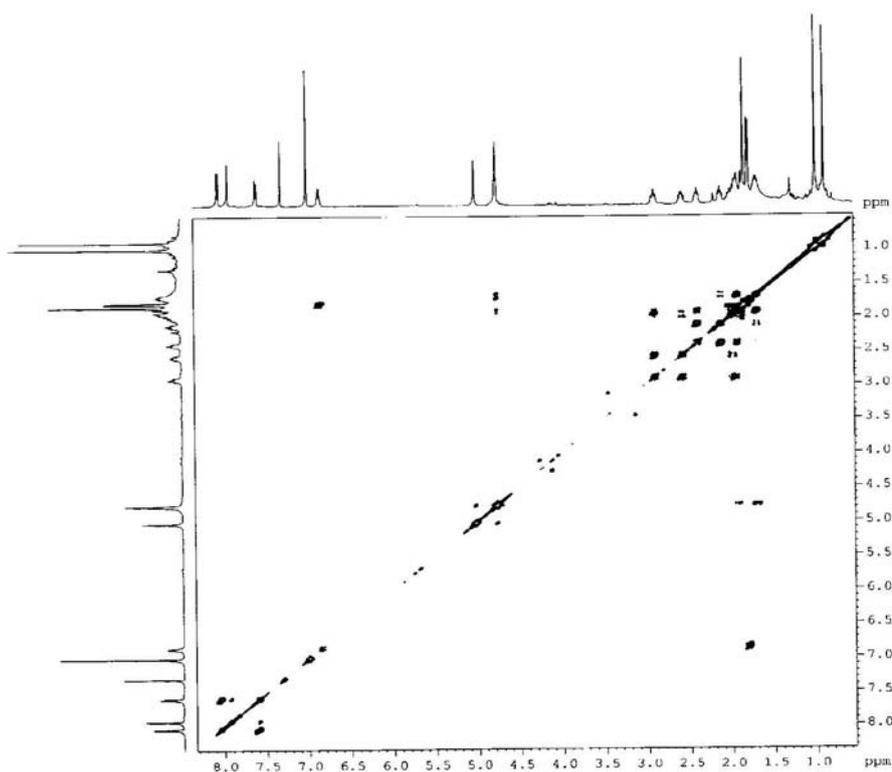
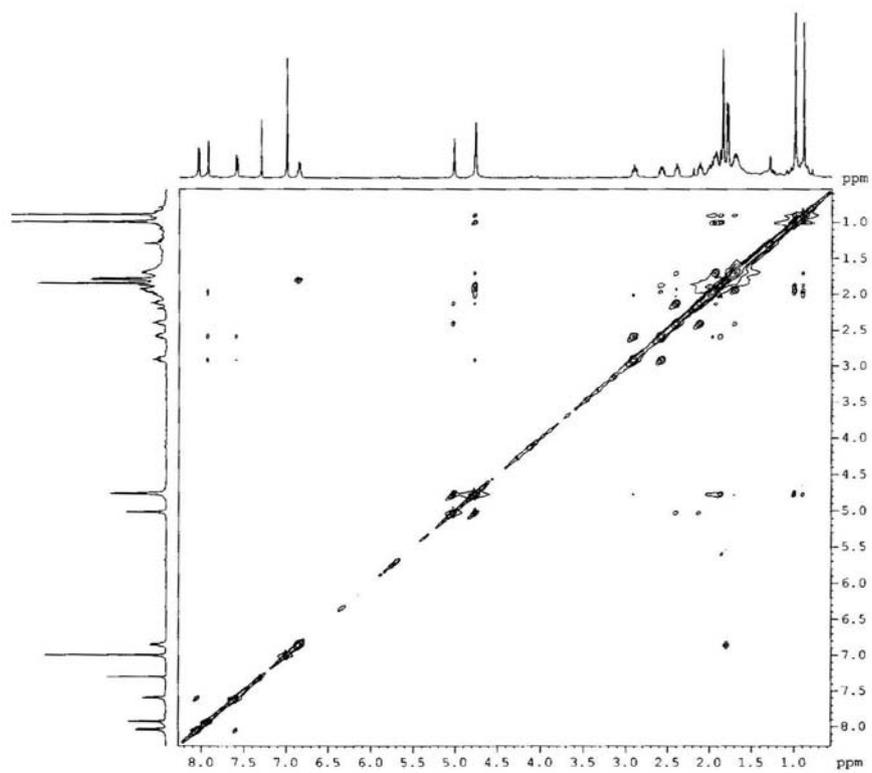
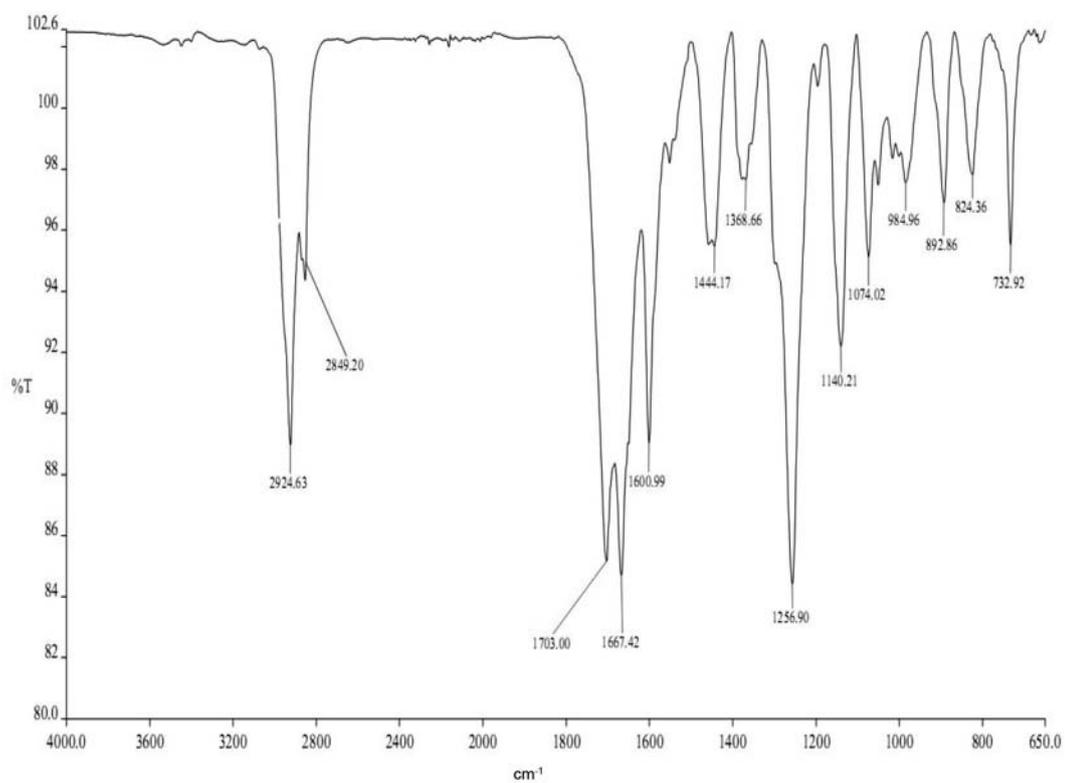


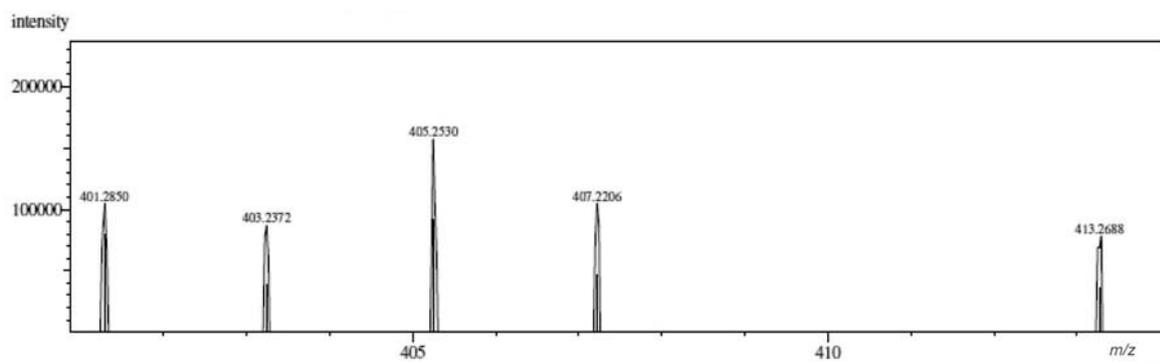
Figure S15. COSY spectrum of cordiaquinone O (2) in CDCl<sub>3</sub> at 500 MHz.



**Figure S16.** NOESY spectrum of cordiaquinone O (**2**) in  $\text{CDCl}_3$  at 500 MHz.



**Figure S17.** IR spectrum of cordiaquinone O (**2**).



**Figure S18.** ESIMS (positive mode) spectrum of cordiaquinone O (2).