

## Antitumoral, Antileishmanial and Antimalarial Activity of Pentacyclic 1,4-Naphthoquinone Derivatives

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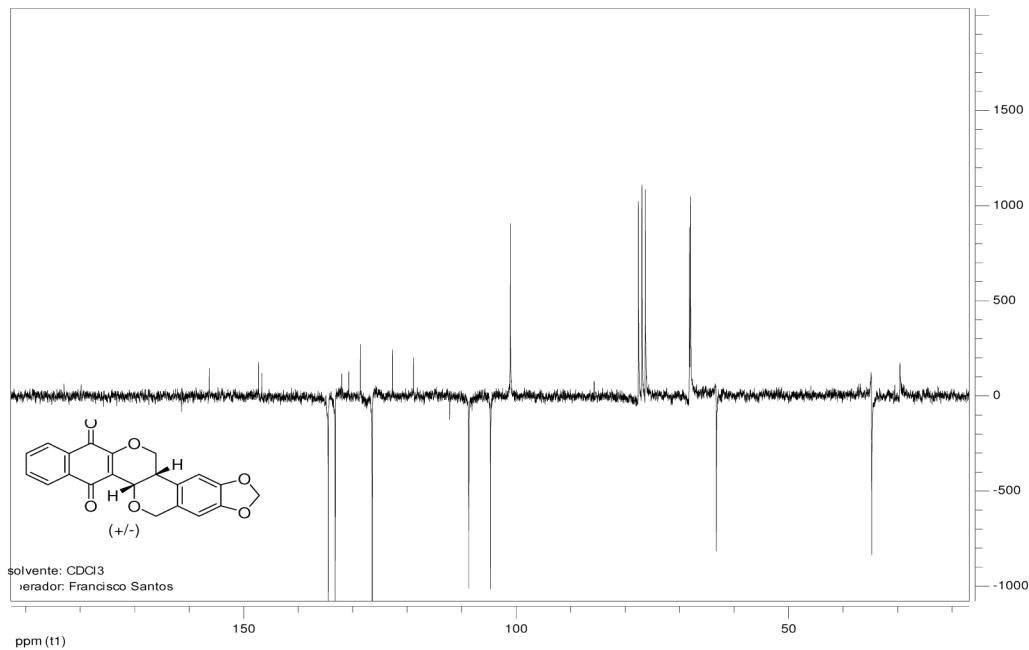
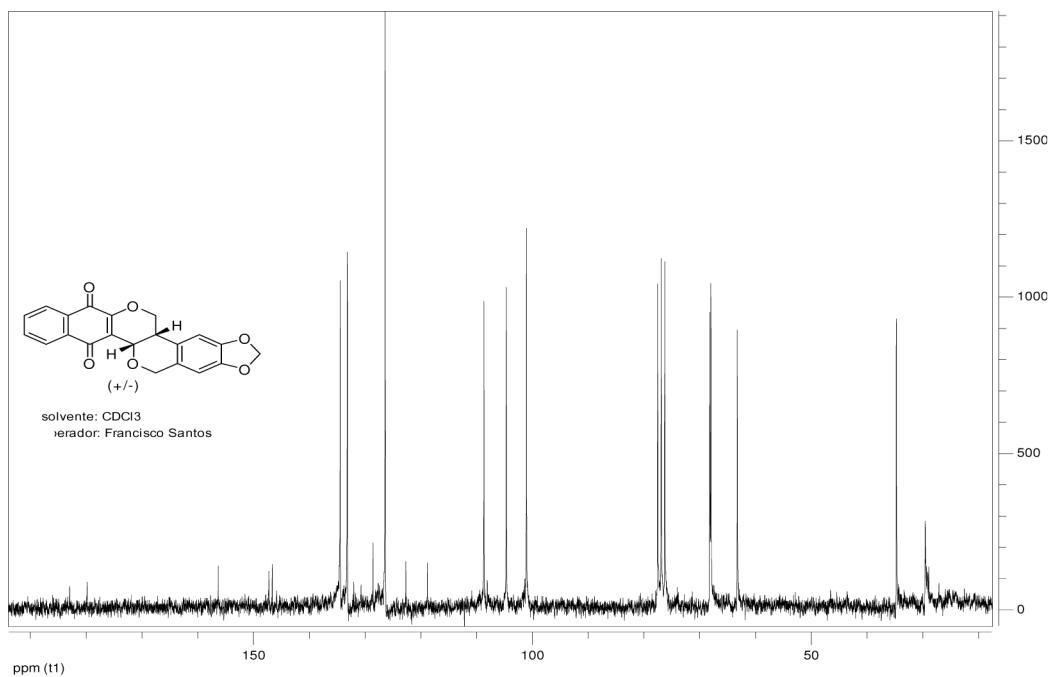
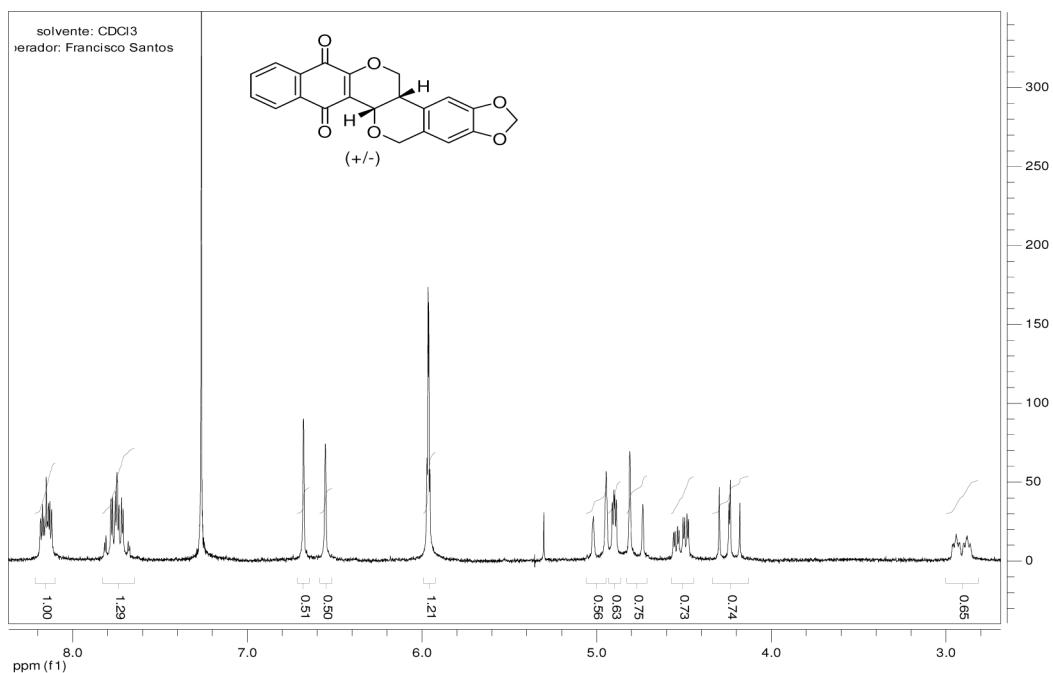


Figure S1. <sup>13</sup>C NMR (APT) spectrum for compound 9a.

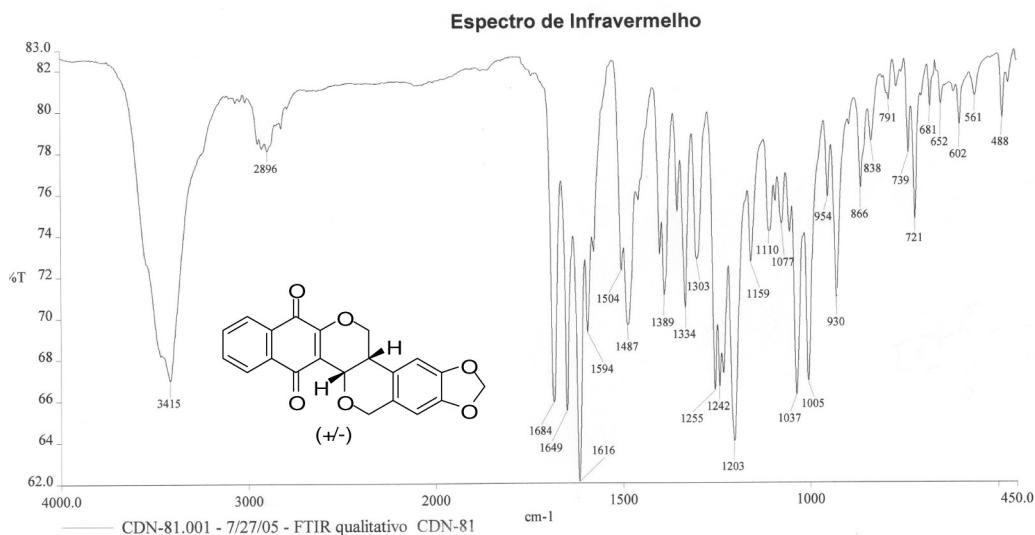


**Figure S2.**  $^{13}\text{C}$  NMR spectrum for compound 9a.

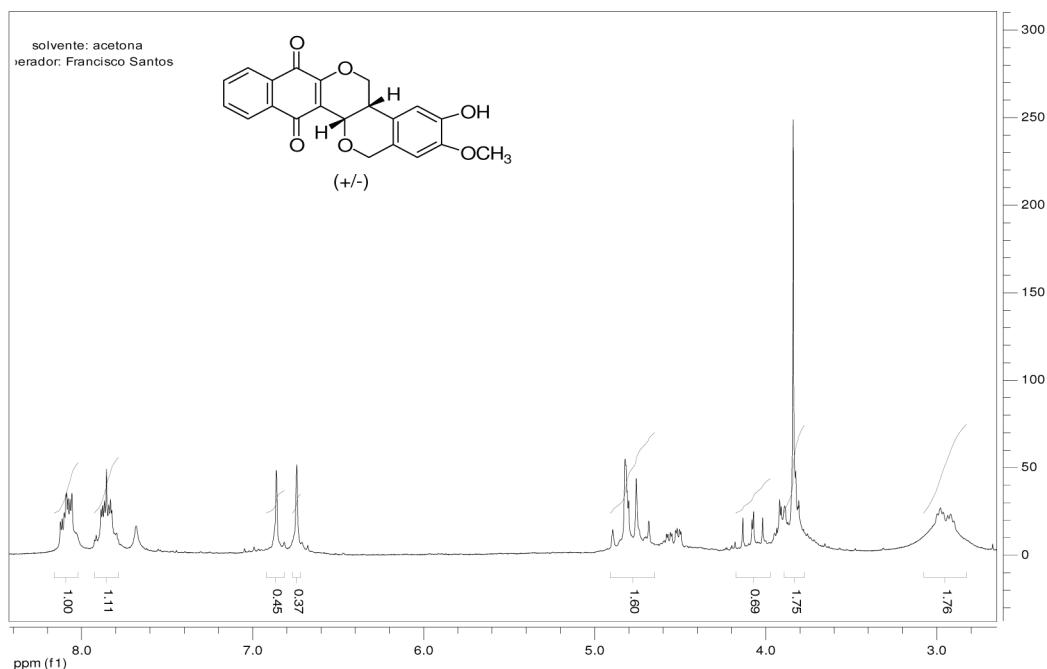


**Figure S3.**  $^1\text{H}$  NMR spectrum for compound 9a

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**Figure S4.** Infra Red spectrum for compound 9a.



**Figure S5.**  $^1\text{H}$  NMR spectrum for compound 9b.

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Espectro de Infravermelho

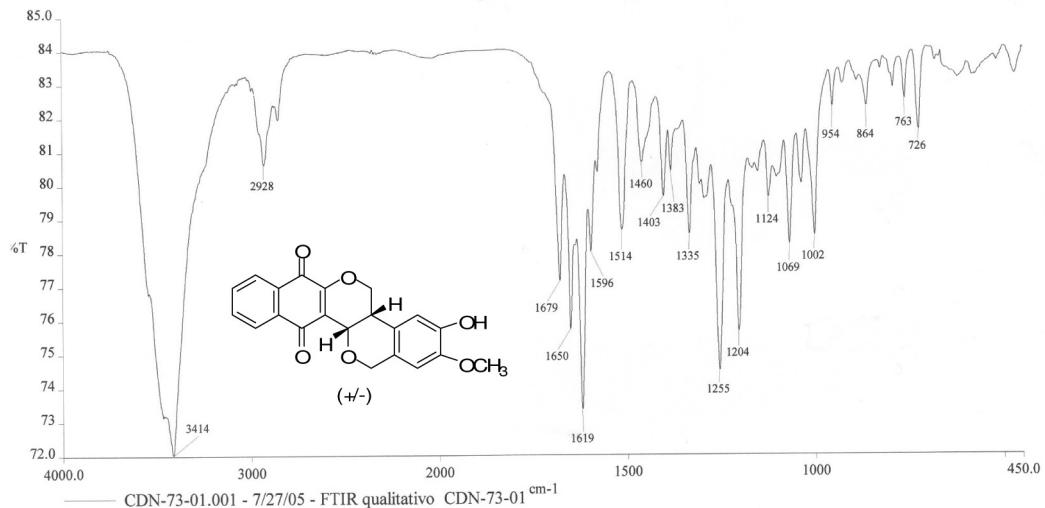
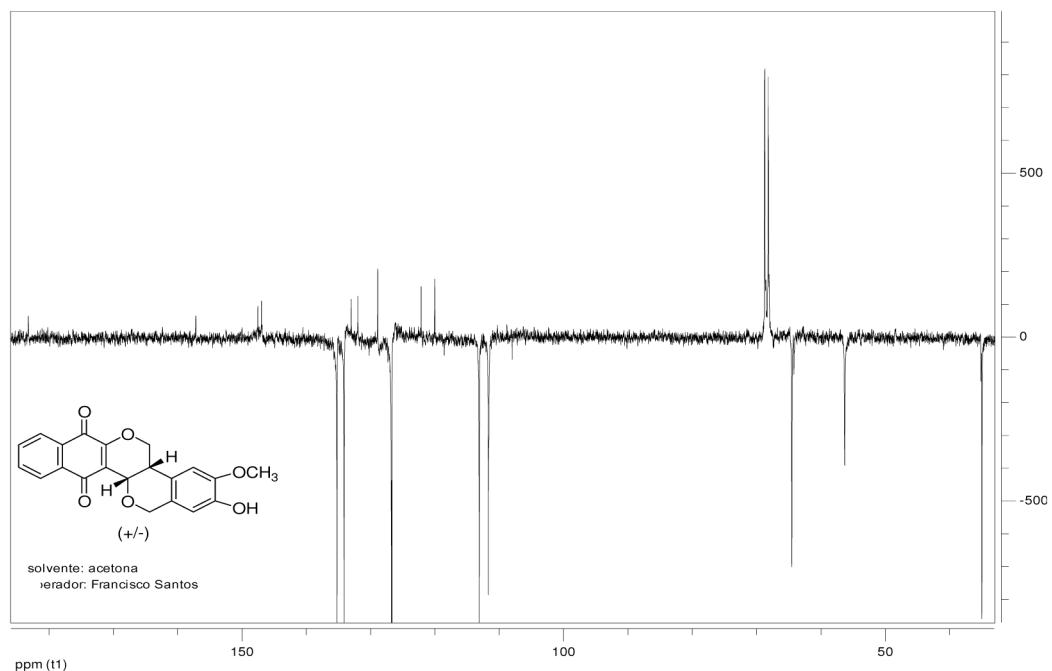


Figure S6. IR mass spectrum for compound 9b.

Figure S7. <sup>13</sup>C(APT) NMR spectrum for compound 9c.

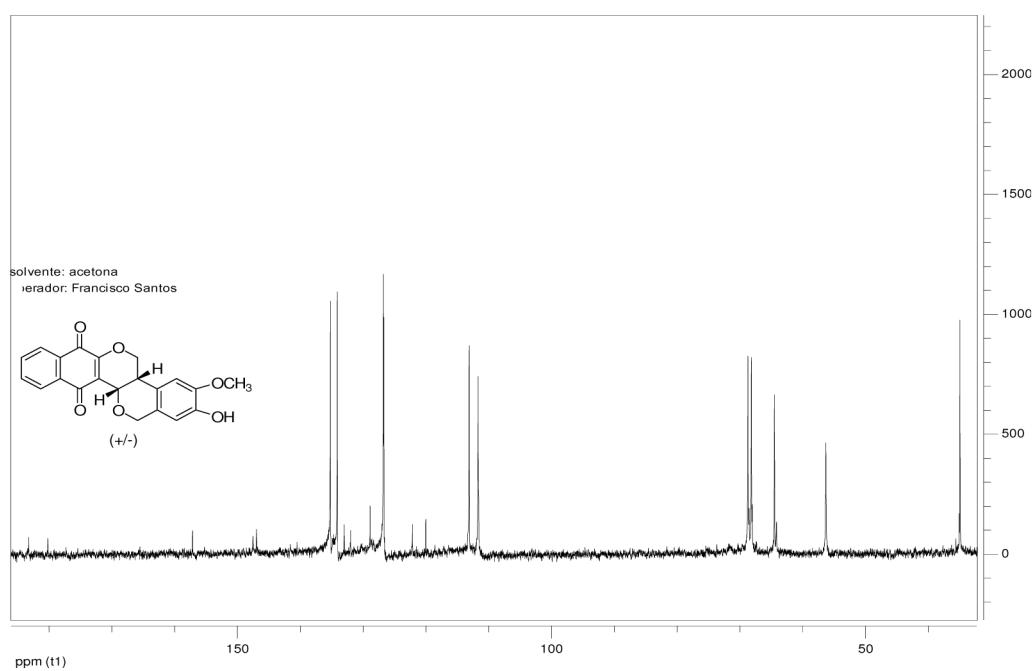


Figure S8. <sup>13</sup>C NMR spectrum for compound 9c.

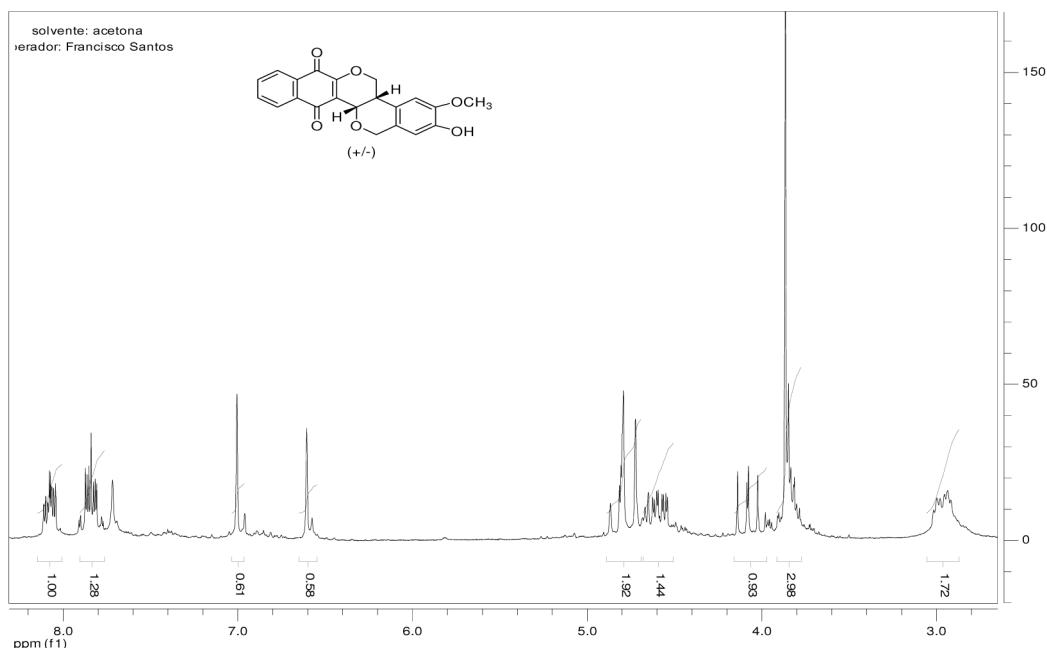
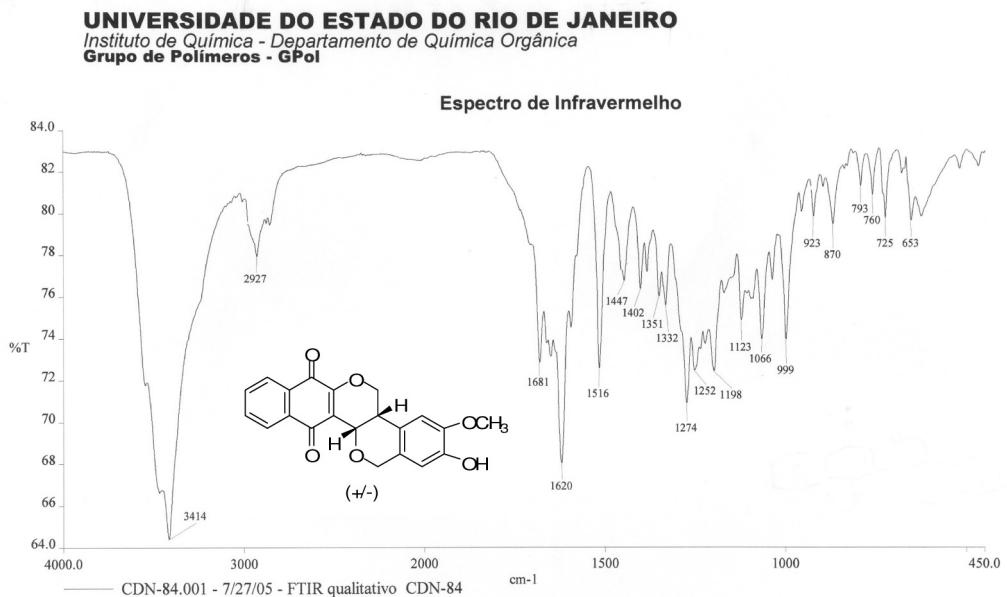


Figure S9. <sup>1</sup>H NMR spectrum for compound 9c.



**Figure S10.** Infra Red spectrum for compound **9c**.