

## Biphosphinic ruthenium complexes as new promising antimicrobial agents

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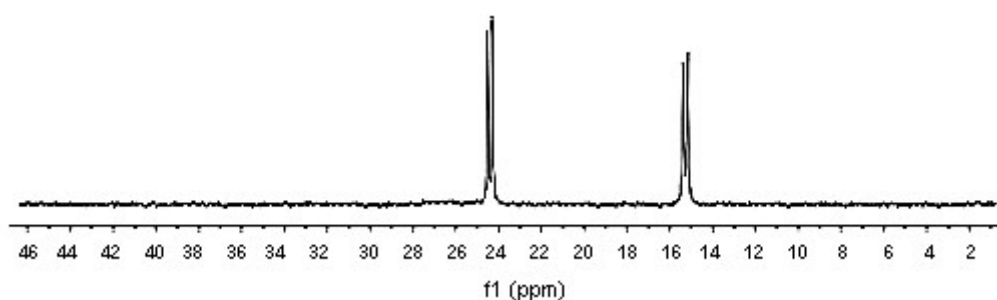
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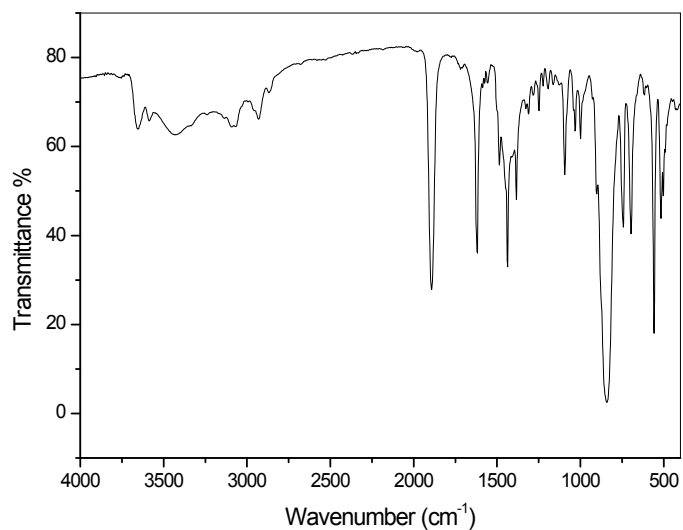
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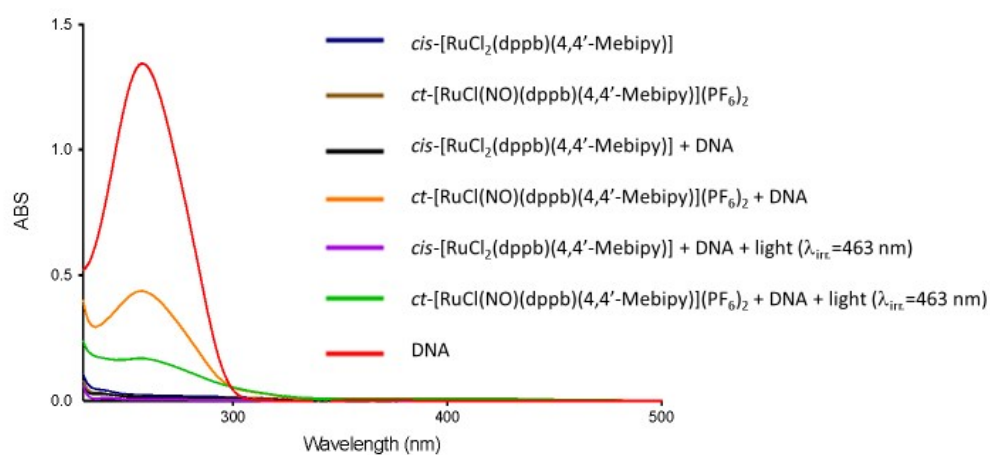
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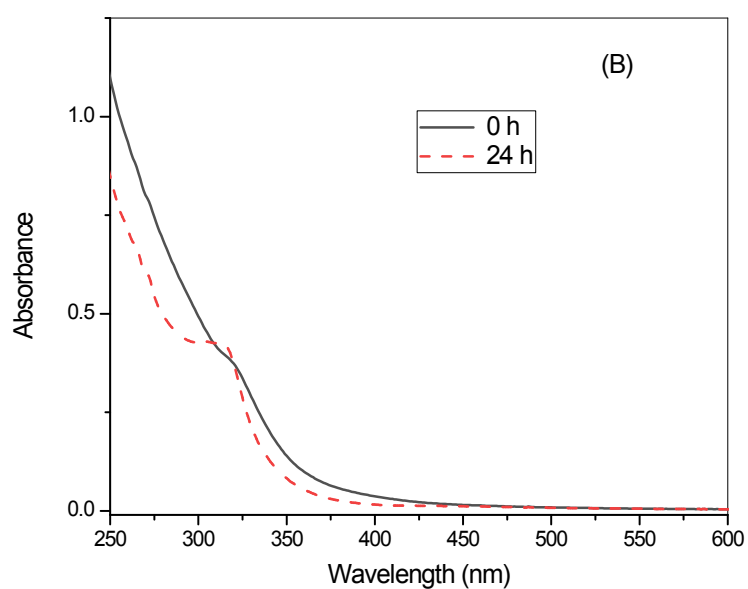
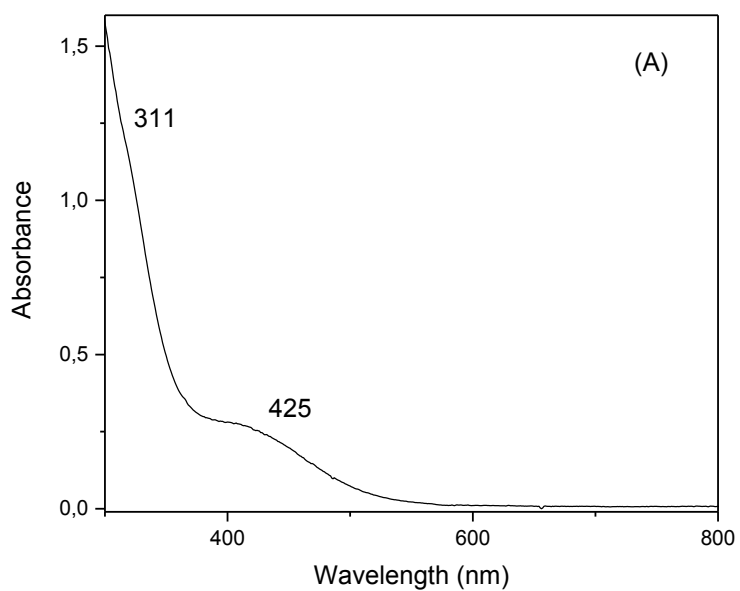
**Fig.S1** <sup>31</sup>P{<sup>1</sup>H} NMR spectroscopy of *ct*-[[RuCl(NO)(dppb)(4,4'-Mebipy)](PF<sub>6</sub>)<sub>2</sub> in CD<sub>2</sub>Cl<sub>2</sub> (500MHz,298 K).



**Fig. S2** Infrared spectrum of complex  $ct$ -[RuCl(NO)(dppb)(4,4'-Mebipy)](PF<sub>6</sub>)<sub>2</sub> dispersed in KBr.



**Fig. S3** Electronic spectra for excluded samples upon treatment onto a biospin column P30.



**Fig. S4** Thermal stability of compound **1**. (A) UV-vis spectra of *ct*-[RuCl(NO)(dppb)(4,4-Mebipy)](PF<sub>6</sub>)<sub>2</sub> (**1**), in DMSO/D<sub>2</sub>O (10%/90%), 1.9 × 10<sup>-4</sup> mol L<sup>-1</sup>. (B) Changes in the electronic spectrum of compound **1** related to thermally induced NO release which occur over 24 hours.

