



Article

In Vitro and In Vivo Biological Activity of Ruthenium 1,10-Phenanthroline-5,6-dione Arene Complexes

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Supplementary Materials

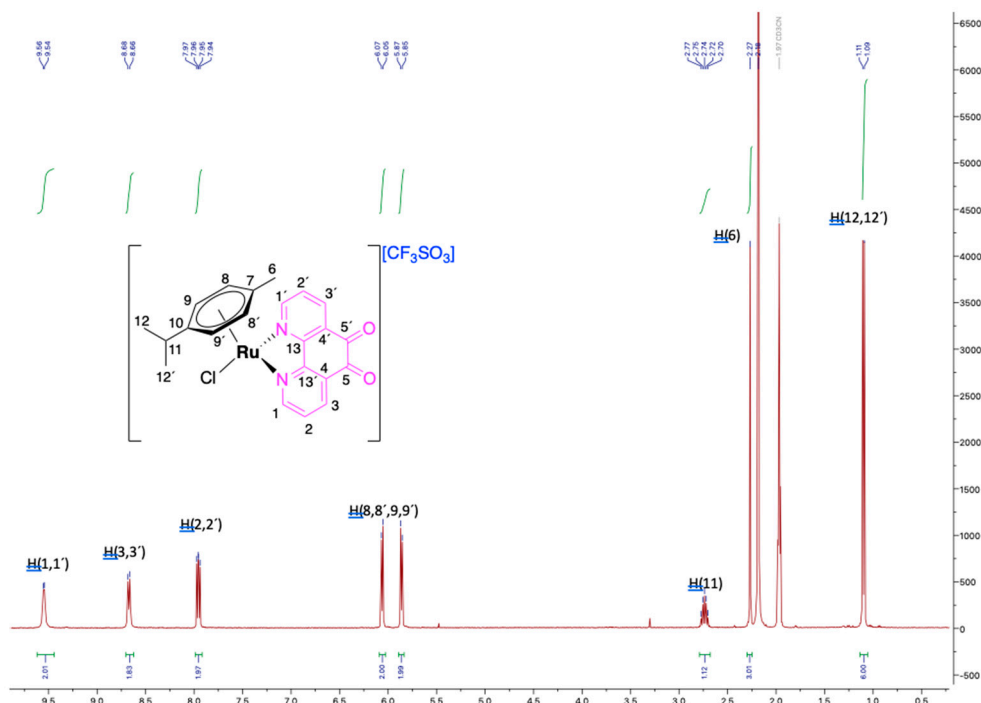


Figure S1. ¹H NMR spectra of JHOR10.

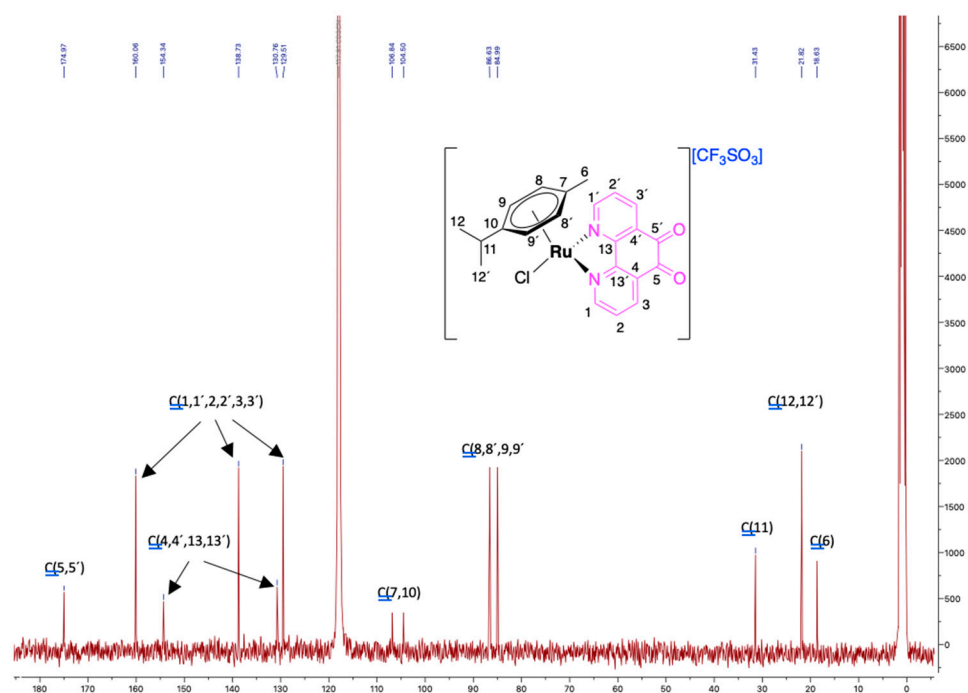
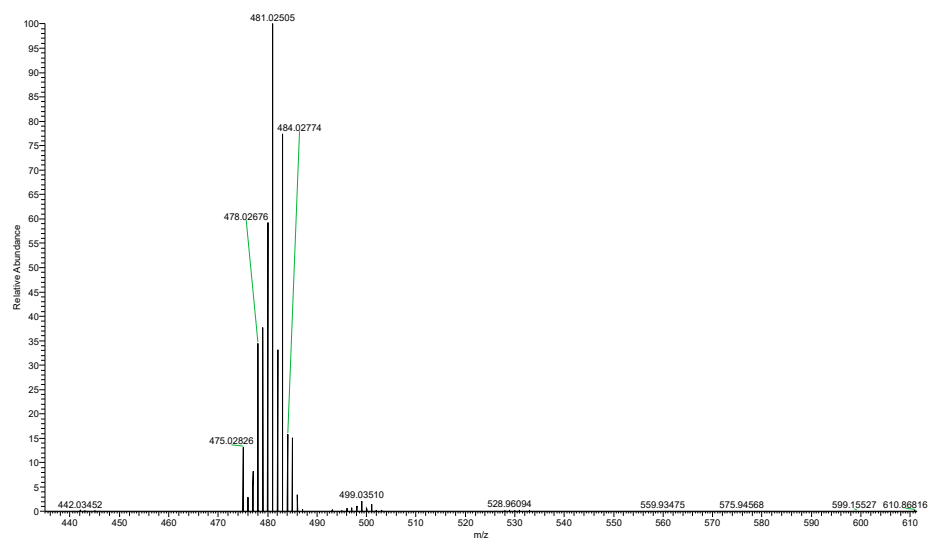
Figure S2. ^{13}C NMR spectra of JHOR10.

Figure S3. HRSM spectra of JHOR10.

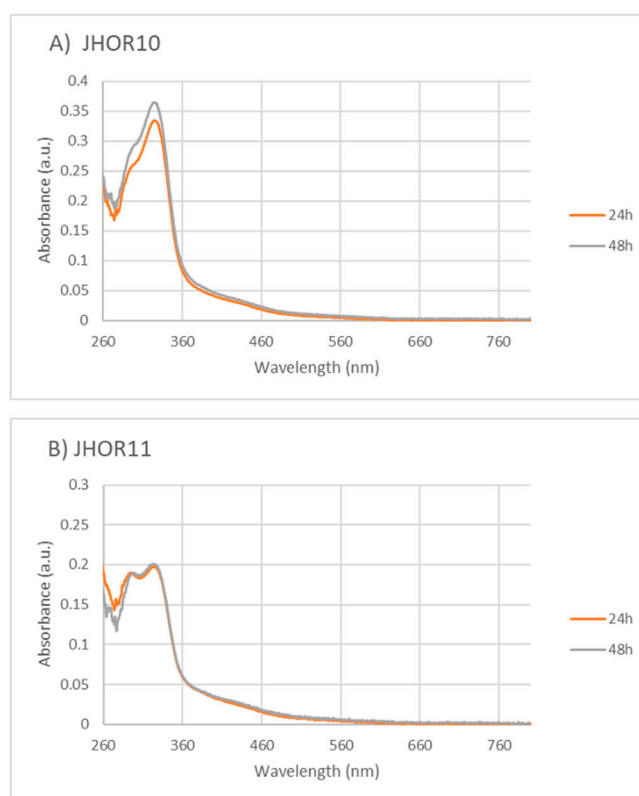


Figure S4. UV-visible spectra after 24h and 48h of 37°C incubation of 100 μ M complex A) JHOR10 and B) JHOR11 in cell culture medium DMEM.

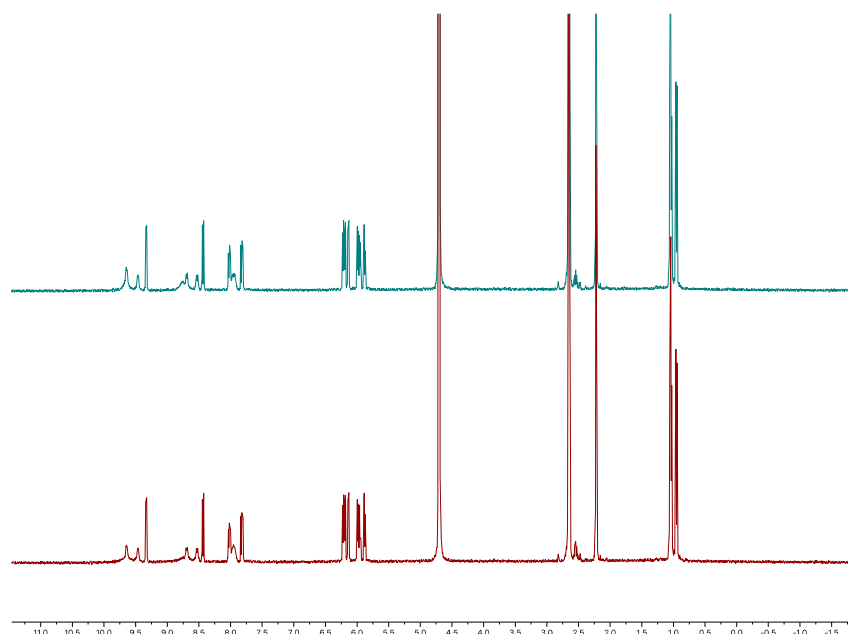


Figure S5. NMR spectra of JHOR11 in DMSO- d_6 -D $_2$ O, in a 3 : 7 (v/v) with 110 mM chloride concentration at 0h (red) and 48h (green).

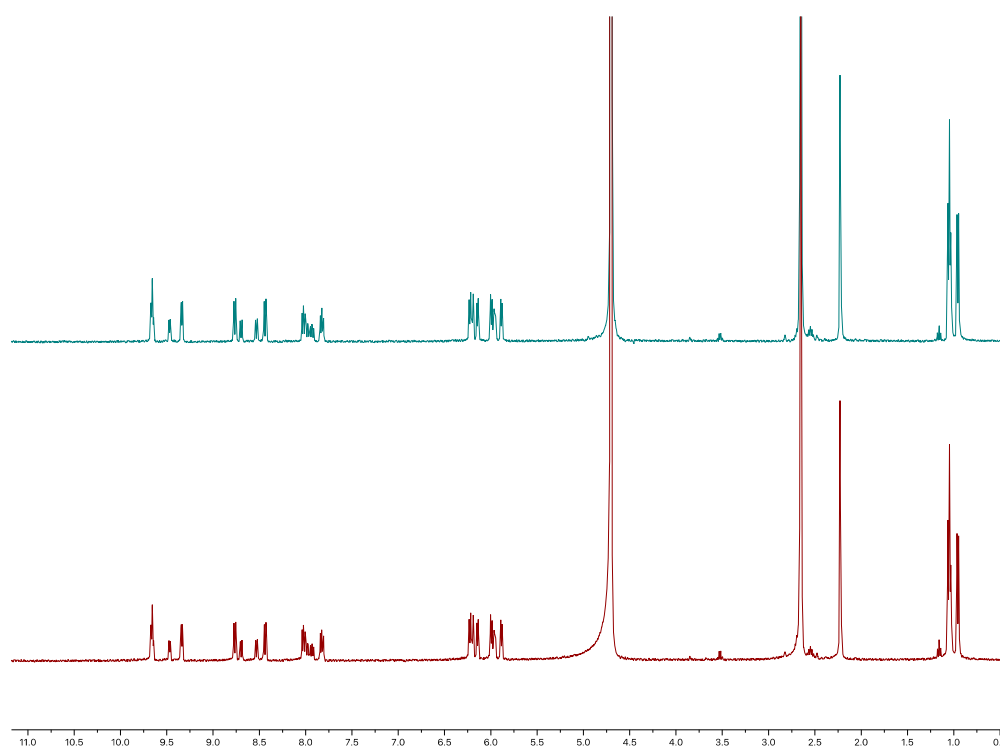


Figure S6. NMR spectra of JHOR10 in DMSO- d_6 -D $_2$ O, in a 3 : 7 (v/v) with 110 mM chloride concentration at 0h (red) and 48h (green).

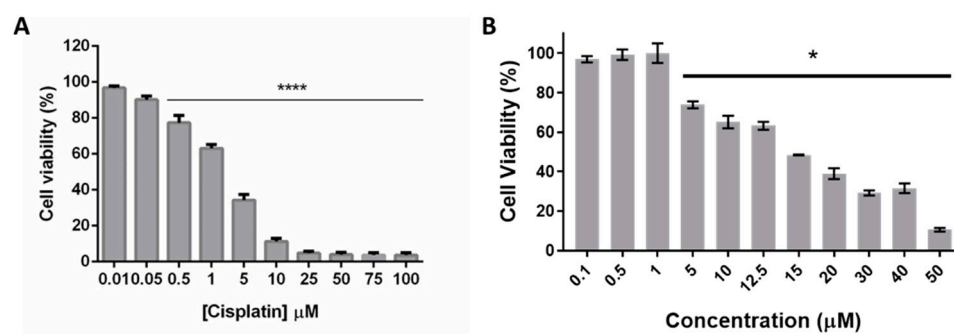


Figure S7: Antiproliferative activity of cisplatin after 48h in A) A2780 and B) HCT116 cell lines. Data was normalized to the control (0.1 % (v/v) DMSO) with bars representing the mean \pm SD of at least three independent experiments. * p-value<0.05, **** p-value<0.0001.

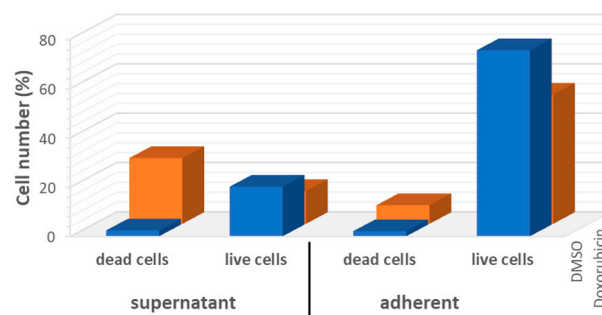


Figure S8: Percentage of live and dead A2780 cells in supernatant or adherent cells after 48h incubation with 0.1 % (v/v) DMSO, vector control, or 0.1 μ M doxorubicin, for positive control.