

Supplementary Material

Ruthenium-Cyclopentadienyl-Cycloparaphenylene Complexes: Sizable Multicharged Cations Exhibiting High DNA-Binding Affinity and Remarkable Cytotoxicity

Konstantinos Ypsilantis¹, Evangelia Sifnaiou¹, Antonia Garypidou¹, Dimitris Kordias^{3,4}, Angeliki Magklara^{3,4,5}, Achilleas Garoufis^{1,2}

¹ Laboratory of Inorganic Chemistry, Department of Chemistry, University of Ioannina, 45110, Ioannina, Greece

² University Research Centre of Ioannina (URCI), Institute of Materials Science and Computing, 45110, Ioannina, Greece.

³ Biomedical Research Institute-Foundation for Research and Technology, 45110, Ioannina, Greece

⁴ Laboratory of Clinical Chemistry, Faculty of Medicine, University of Ioannina, 45110, Ioannina, Greece

⁵ Institute of Biosciences, University Research Center of Ioannina (U.R.C.I.), Ioannina, Greece

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FIGURE S1. ¹H NMR spectrum of complex $[(\eta^6\text{-[11]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{11}](\text{PF}_6)_{11}$ (**3**) in acetone- d_6 .

FIGURE S2. HR-ESI-MS spectrum of complex $[(\eta^6\text{-[11]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{11}](\text{PF}_6)_{11}$ (**3**).

FIGURE S3. Stern–Volmer plots for the interaction of $[(\eta^6\text{-[12]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{12}]\text{Cl}_{12}$ with d(5'-CGCGAATTCGCG-3')₂-EtBr at 298 K.

FIGURE S4. The double-log plots of $[(\eta^6\text{-[12]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{12}]\text{Cl}_{12}$ fluorescence quenching effect, on d(5'-CGCGAATTCGCG-3')₂-EtBr at 298 K.

FIGURE S5. ¹H NMR spectrum of **3p** in CD_2Cl_2 .

FIGURE S6. HR-ESI-MS spectrum of **3p**.

FIGURE S7. ¹H NMR spectrum of [11]CPP in acetone- d_6 .

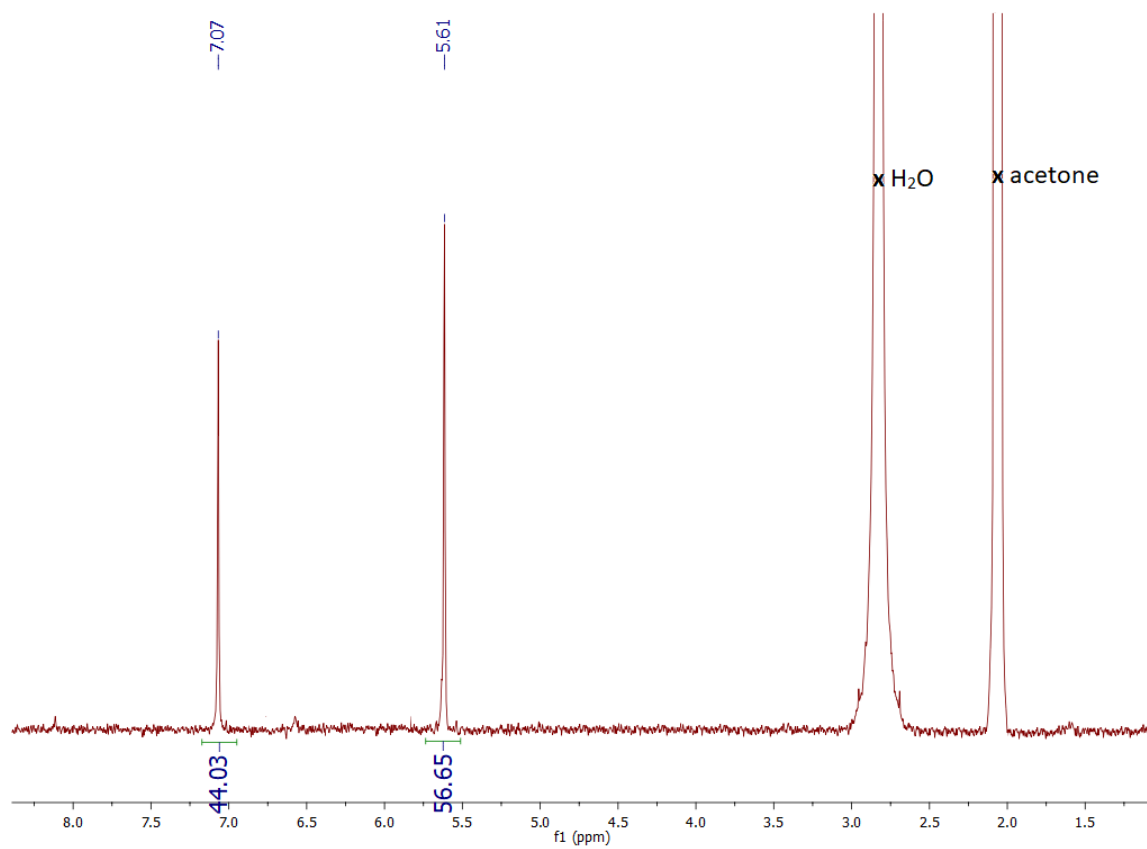


FIGURE S1. ^1H NMR spectrum of complex $[(\eta^6\text{-[11]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{11}](\text{PF}_6)_{11}$ (**3**) in acetone-d_6 .

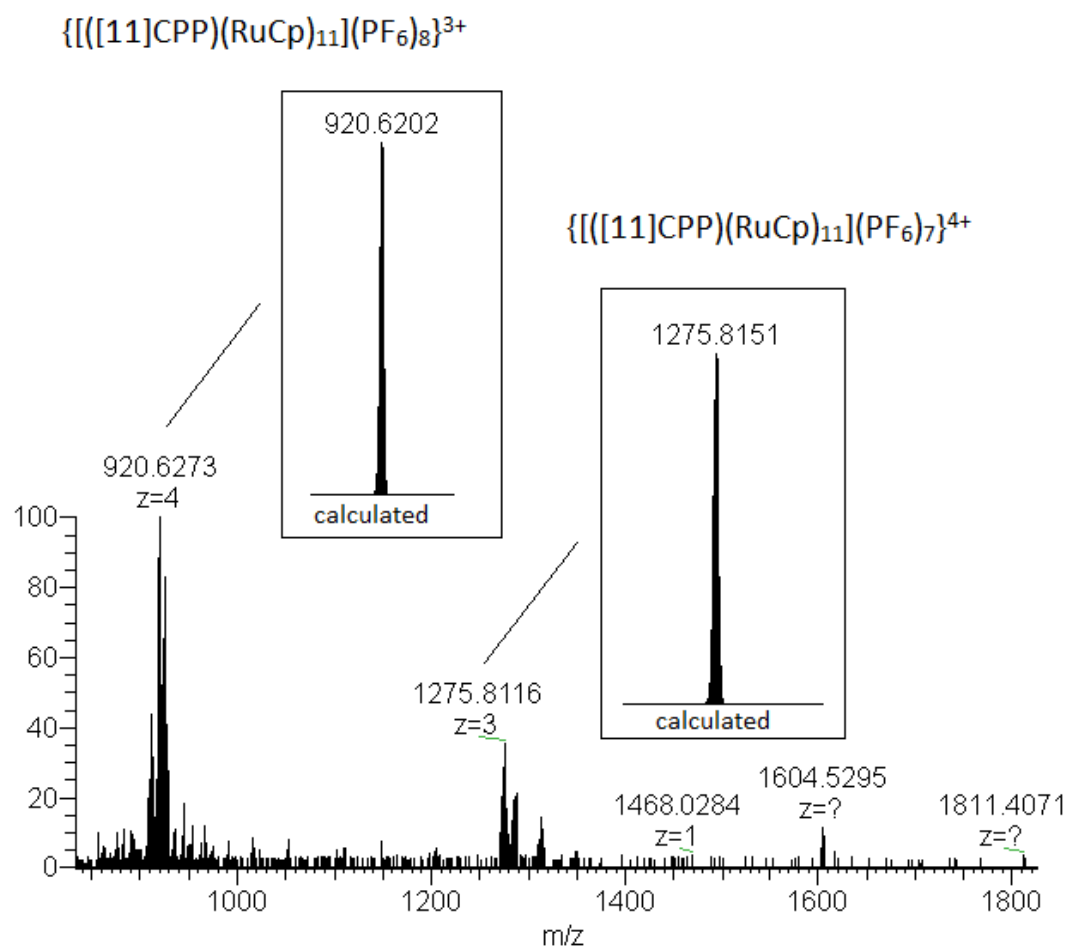


FIGURE S2. HR-ESI-MS spectrum of complex $[(\eta^6\text{-}[11]CPP)[Ru(\eta^5\text{-Cp})]_{11}](PF_6)_{11}$ (**3**)

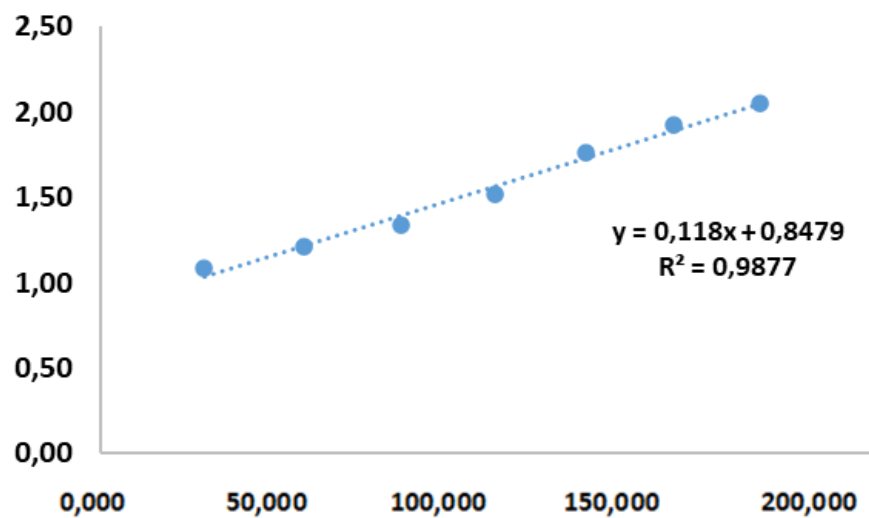


FIGURE S3. Stern–Volmer plots for the interaction of $[(\eta^6\text{-[12]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{12}\text{Cl}_{12}]$ with $\text{d}(5'\text{-CGCGAATTCGCG-3'})_2\text{-EtBr}$ at 298 K

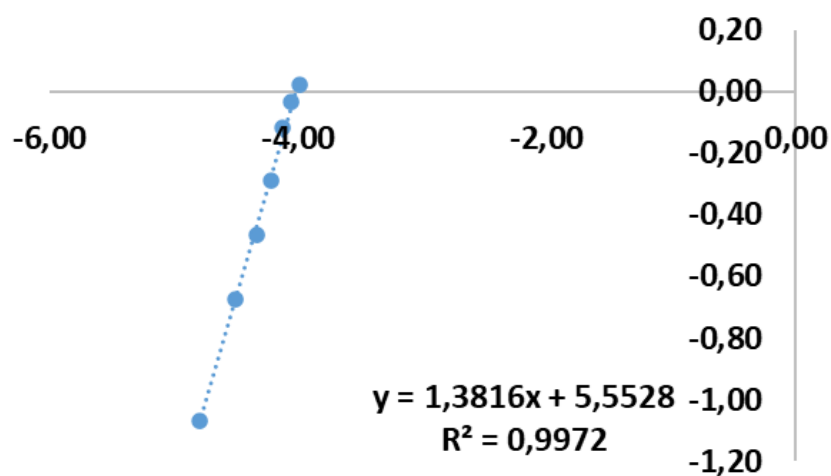


FIGURE S4. The double-log plots of $[(\eta^6\text{-[12]CPP})[\text{Ru}(\eta^5\text{-Cp})]_{12}\text{Cl}_{12}]$ fluorescence quenching effect, on $\text{d}(5'\text{-CGCGAATTCGCG-3'})_2\text{-EtBr}$ at 298 K.

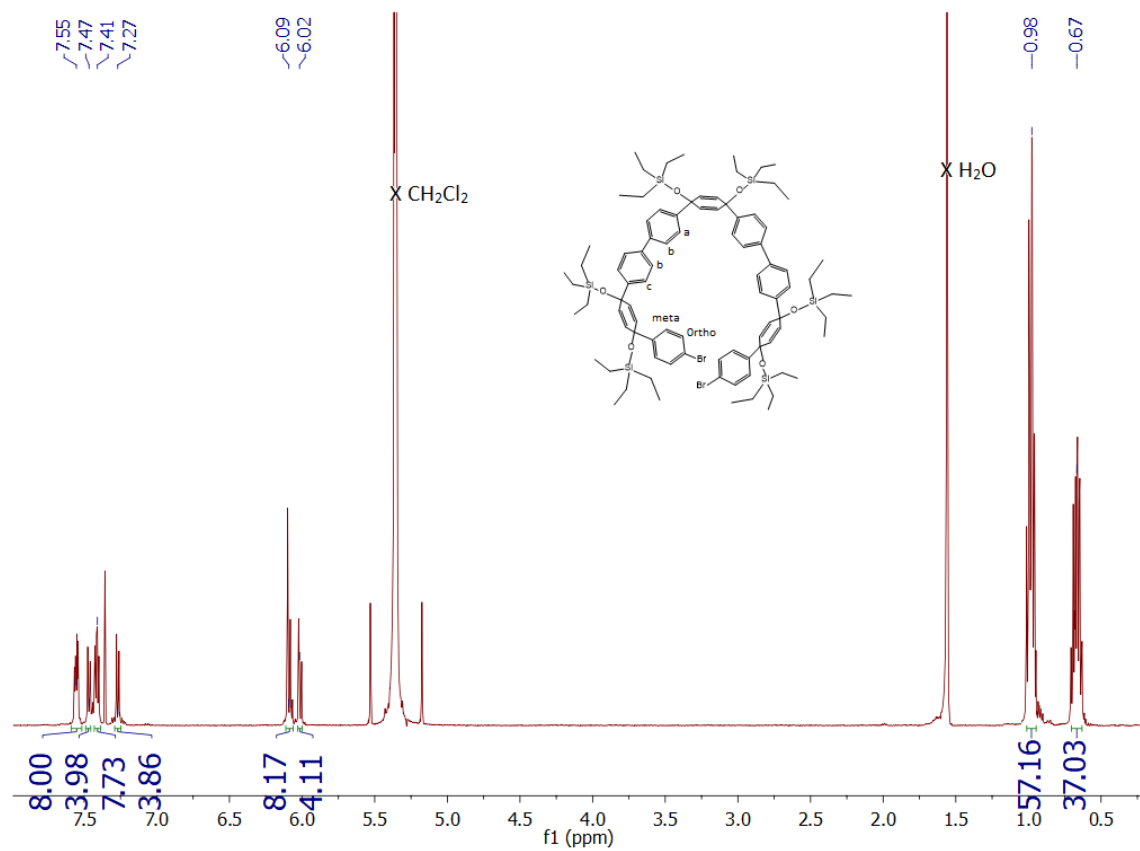


FIGURE S5. ¹H NMR spectrum of **3p** in CD₂Cl₂.

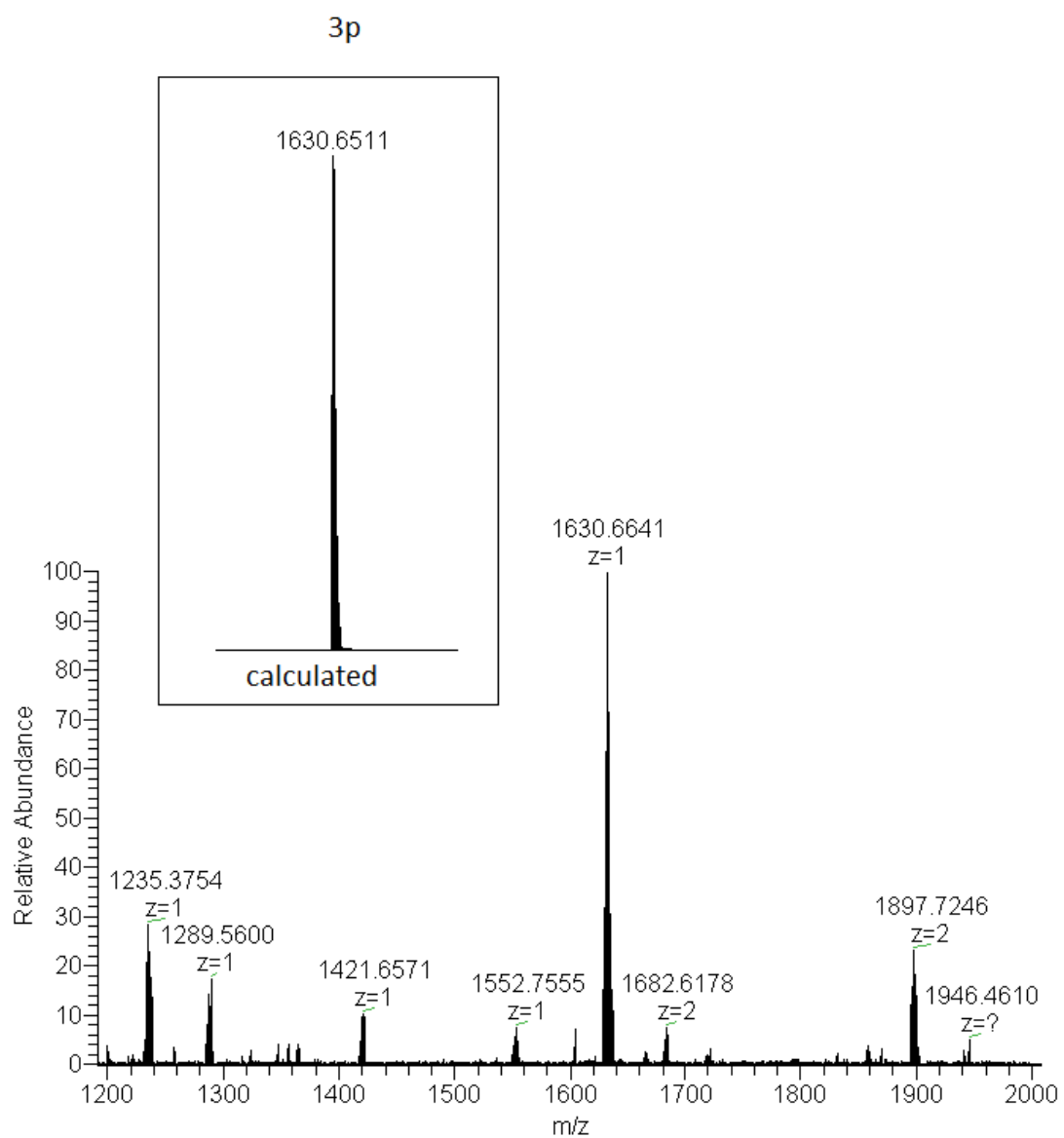


FIGURE S6. HR-ESI-MS spectrum of **3p**.

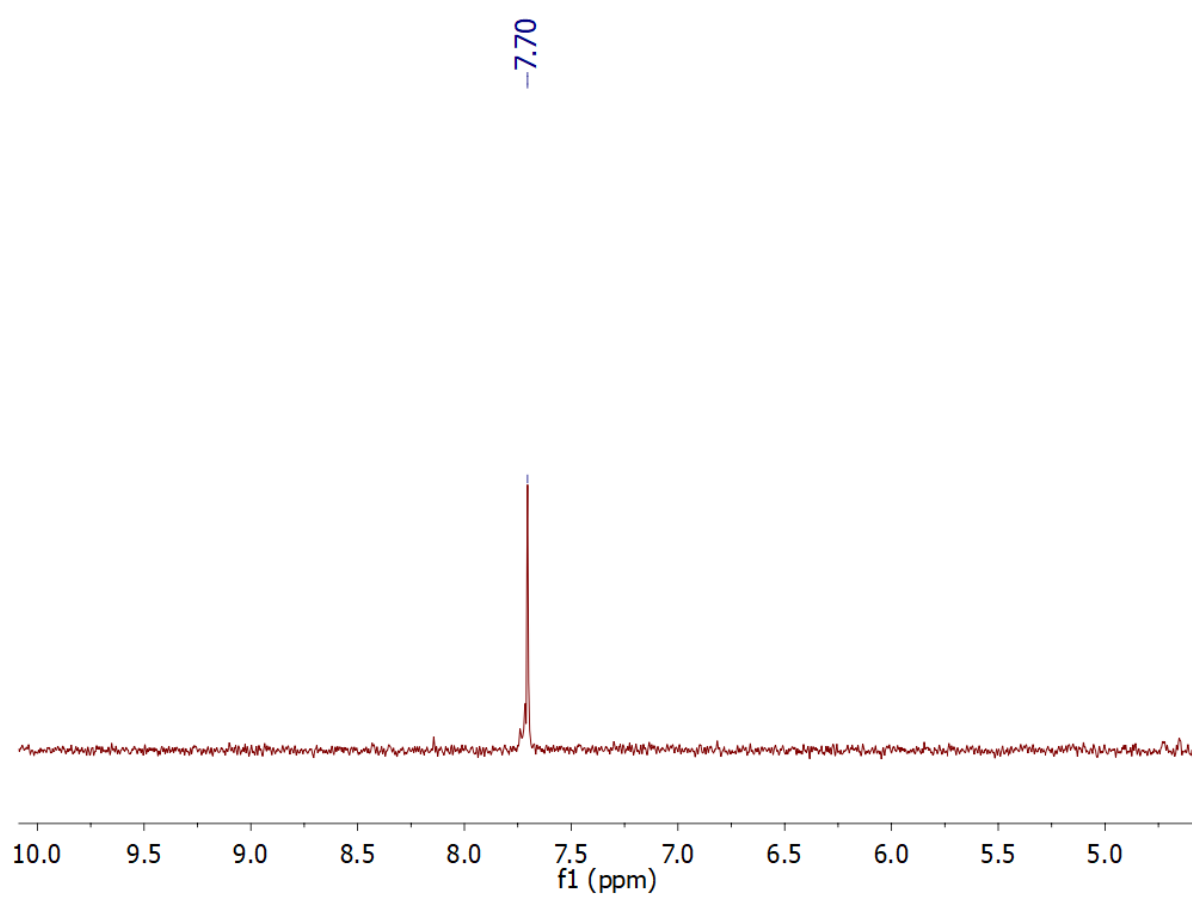


FIGURE S7. ^1H NMR spectrum of [11]CPP in acetone- d_6 .