Supplementary Material

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

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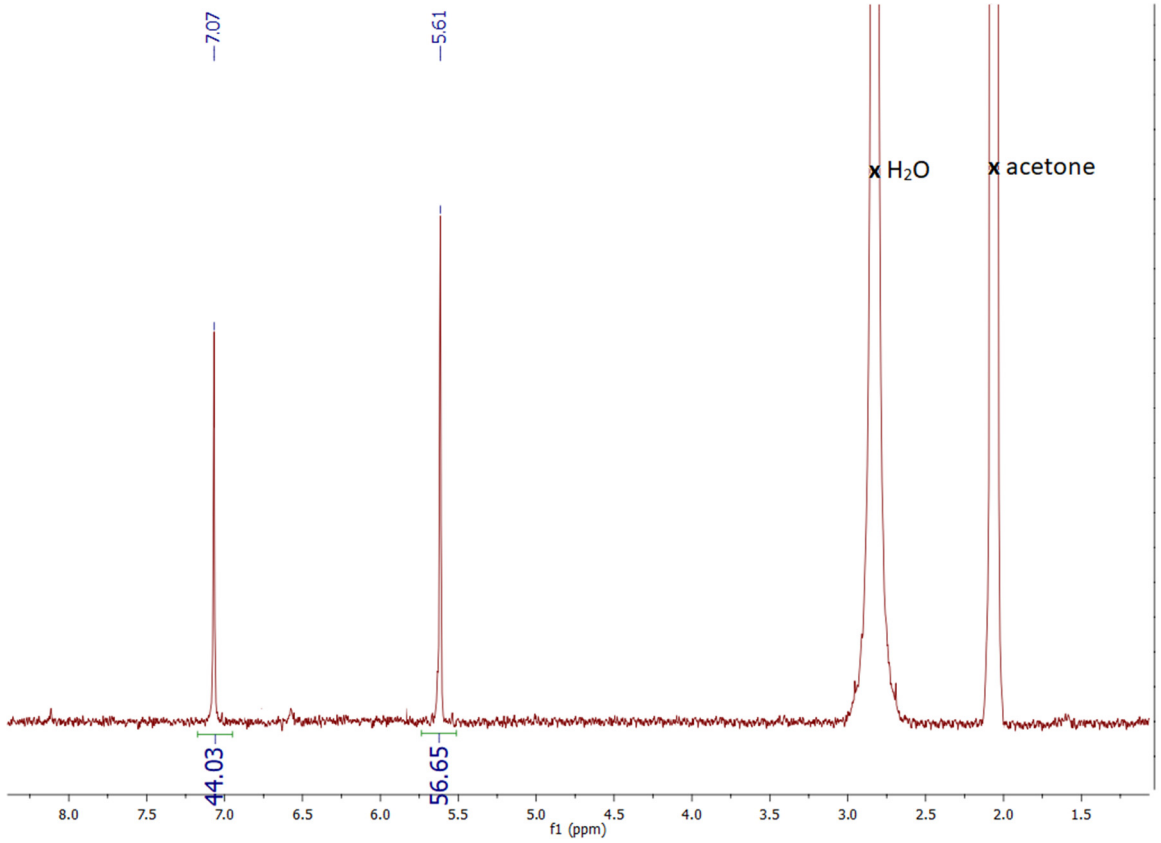

FIGURE S1. ^{1}H NMR spectrum of complex [(η^6-[11]CPP)[Ru(η^5-Cp)]$_{11}$](PF_6)$_{11}$ (**3**) in acetone-d_6.

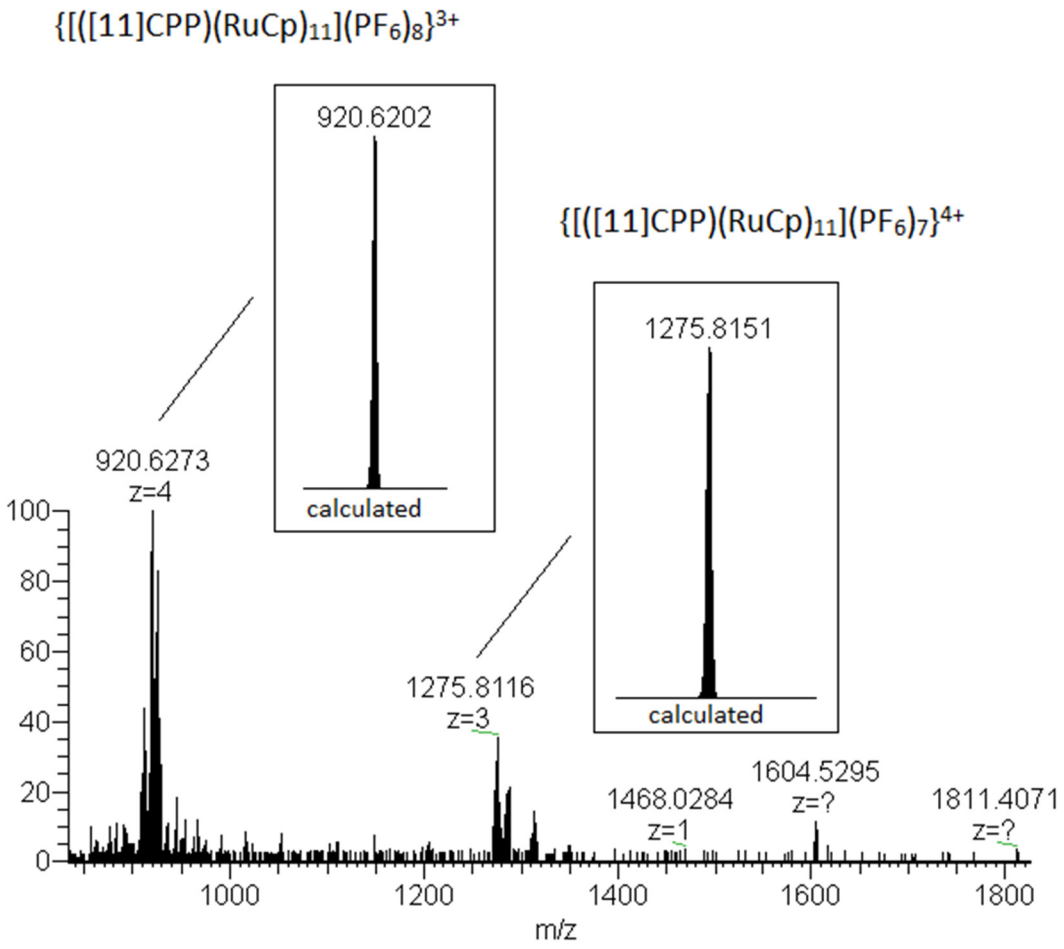

FIGURE S2. HR-ESI-MS spectrum of complex [(η^6-[11]CPP)[Ru(η^5-Cp)]$_{11}$](PF$_6$)$_{11}$ (**3**)

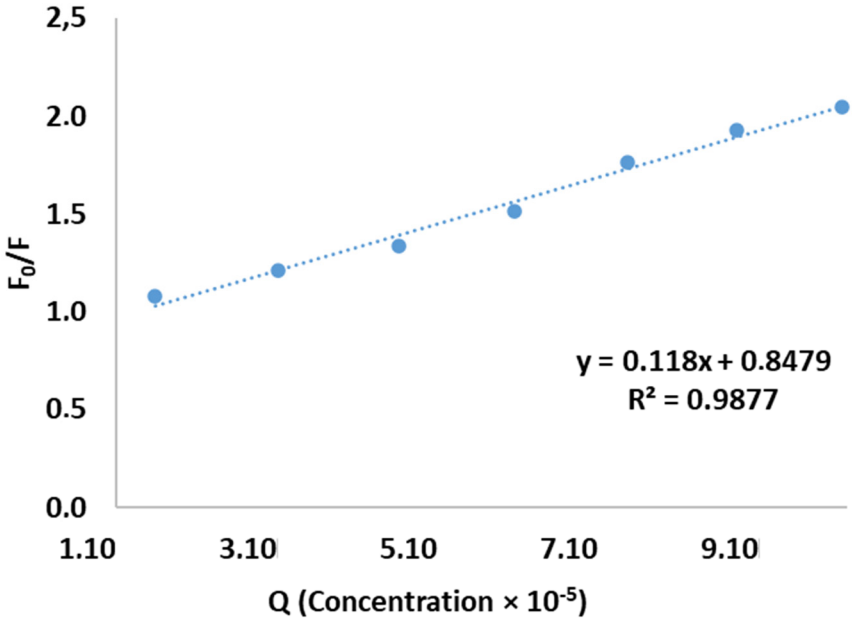

FIGURE S3. Stern–Volmer plots for the interaction of $[(\eta^6\text{-}[12]CPP)[Ru(\eta^5\text{-}Cp)]_{12}]Cl_{12}$ with d(5'-CGCGAATTCGCG-3')$_2$-EtBr at 298 K

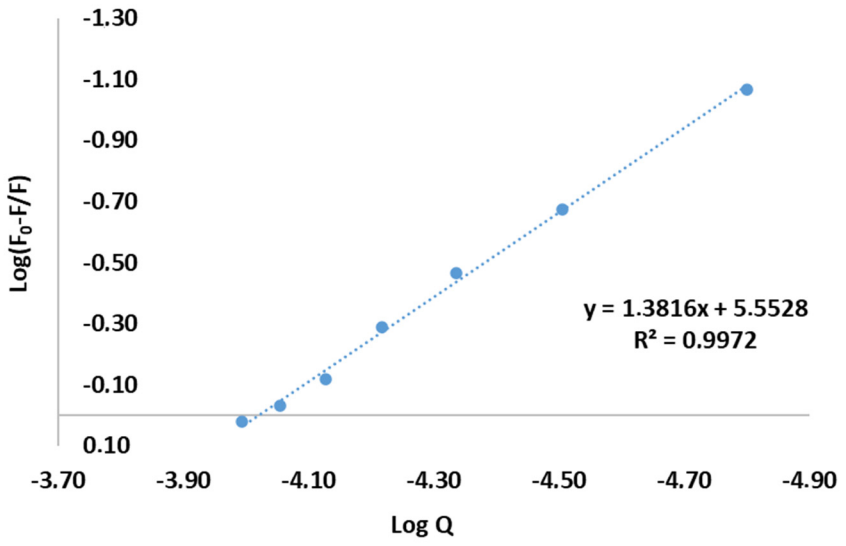

FIGURE S4. The double-log plots of $[(\eta^6\text{-}[12]CPP)[Ru(\eta^5\text{-}Cp)]_{12}]Cl_{12}$ fluorescence quenching effect, on d(5'-CGCGAATTCGCG-3')$_2$-EtBr at 298 K.

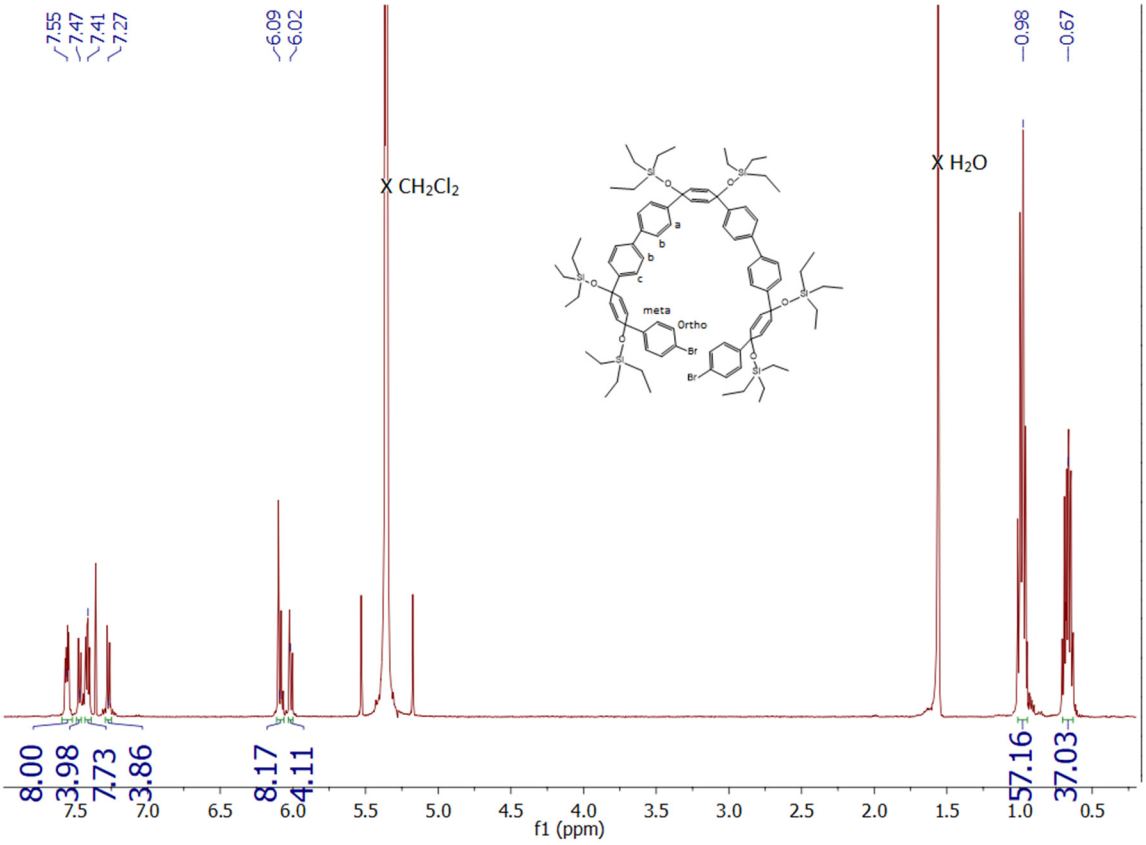

FIGURE S5. ^{1}H NMR spectrum of **3p** in CD_2Cl_2.

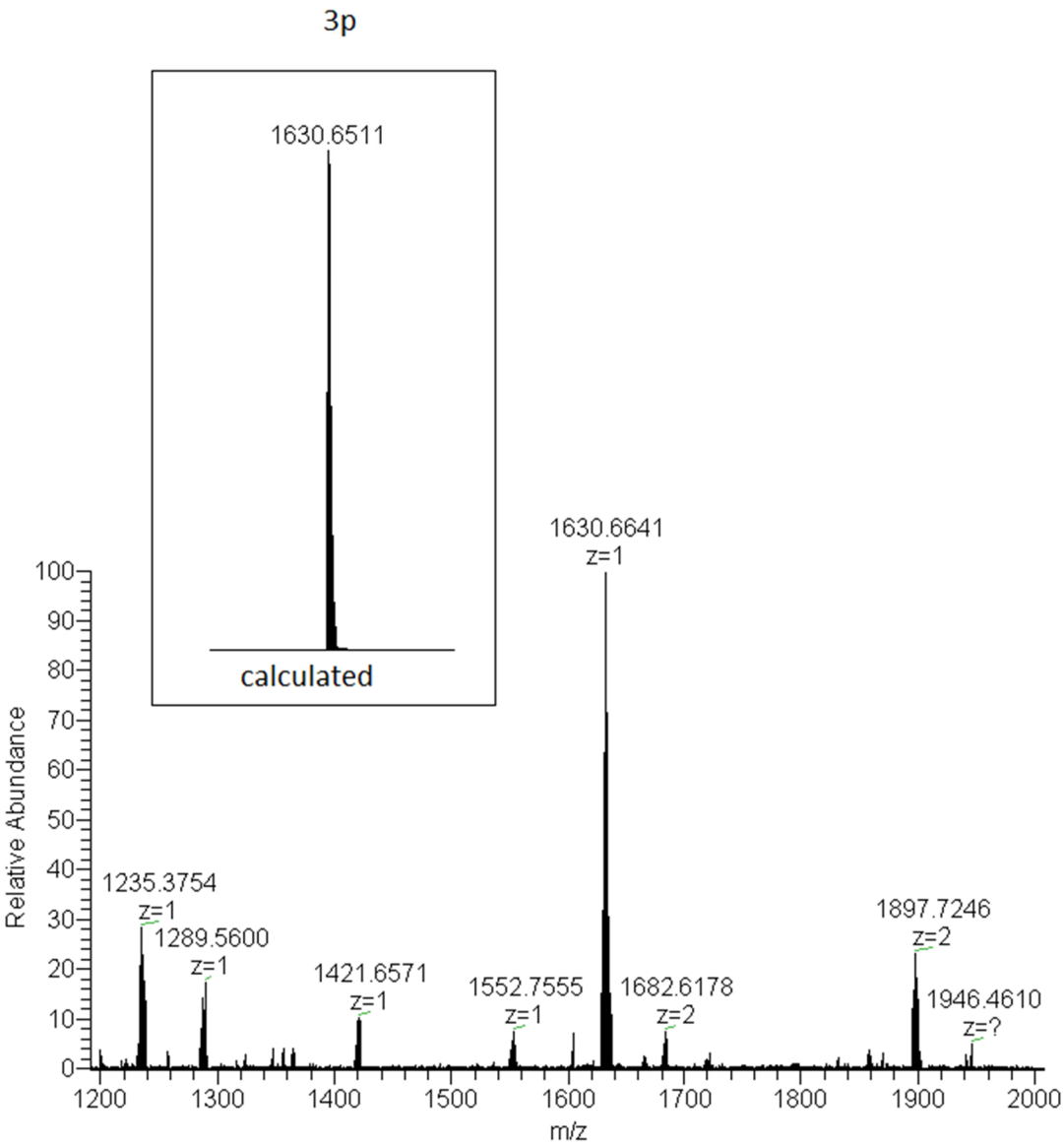

FIGURE S6. HR-ESI-MS spectrum of **3p**.

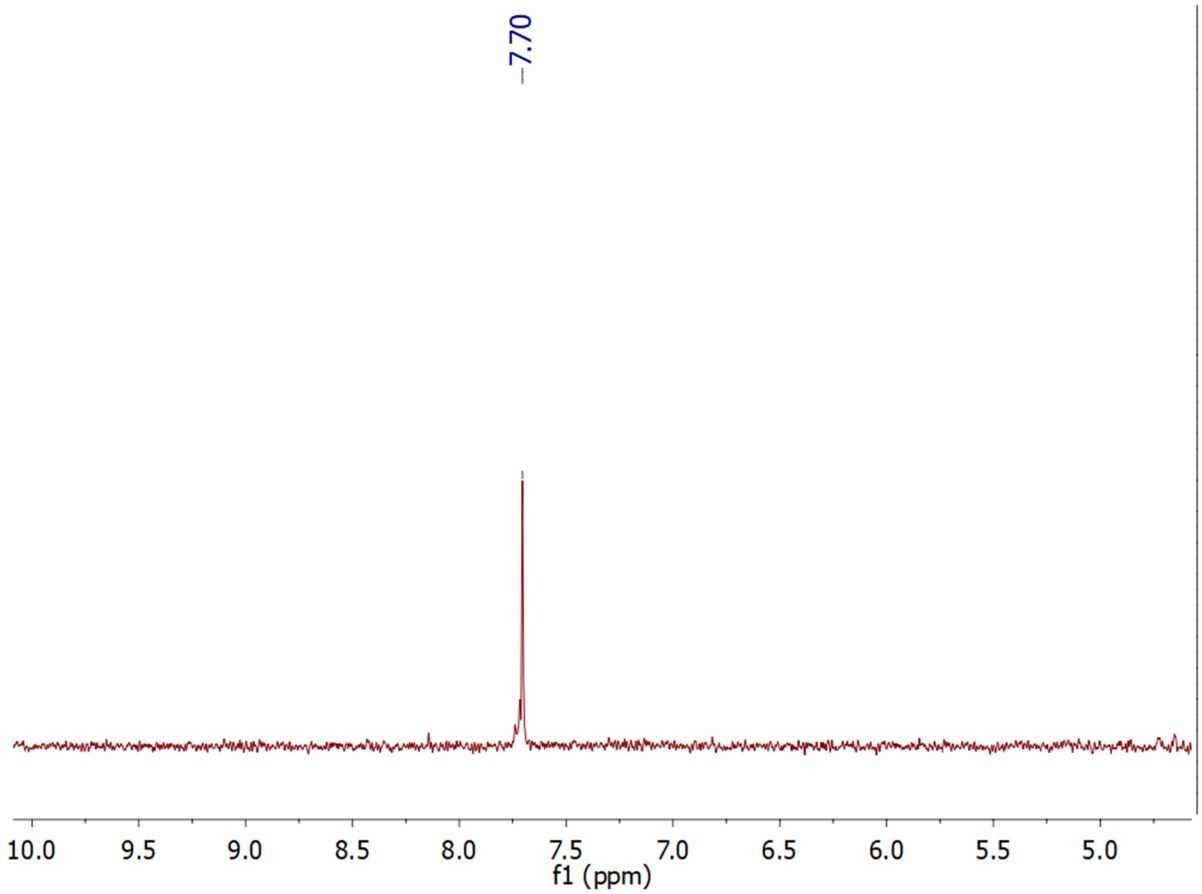

FIGURE S7. ^{1}H NMR spectrum of [11]CPP in acetone-d_6.

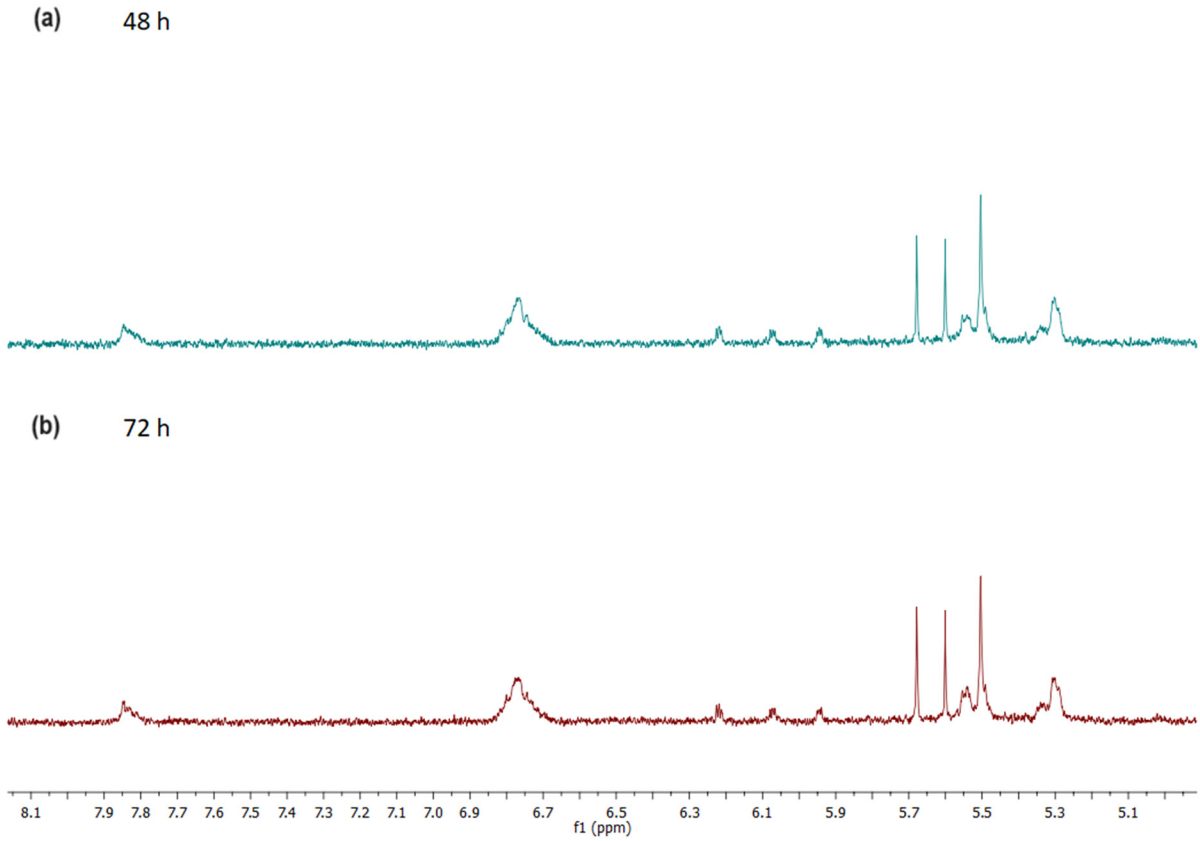

FIGURE S8. ^{1}H NMR spectrum of (**2**) in D_2O after 48h and 72h.

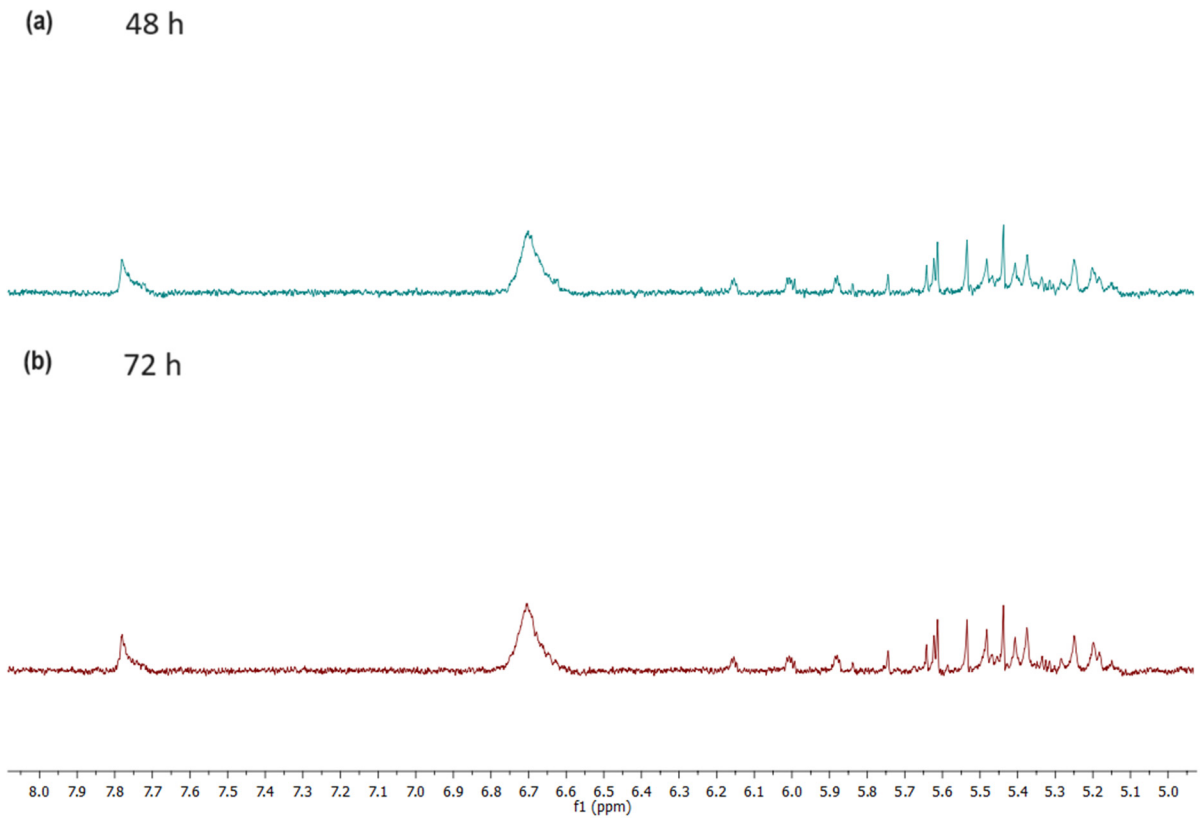

FIGURE S9. ^{1}H NMR spectrum of (**4**) in D_2O after 48h and 72h.

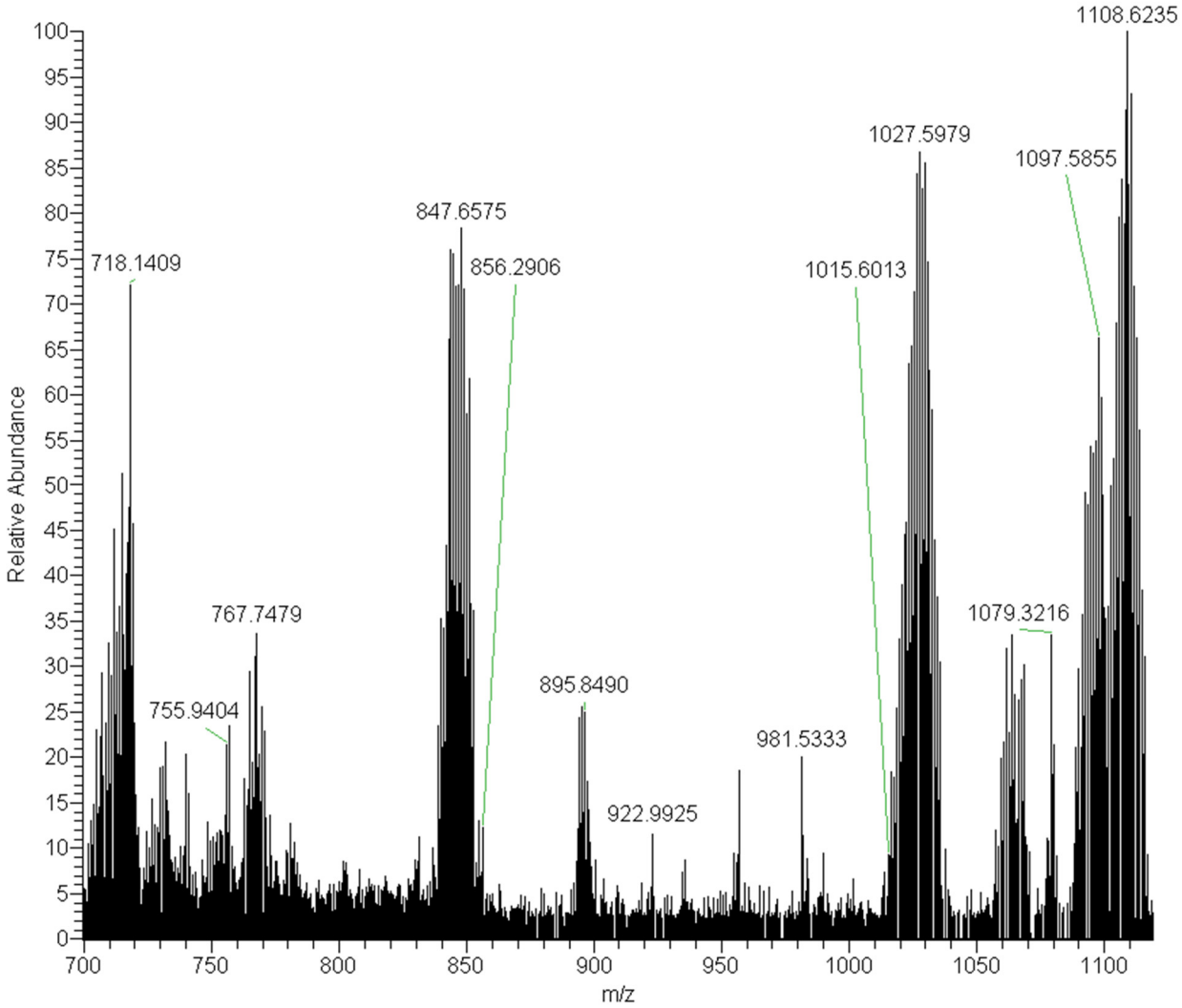

FIGURE S10. HR-ESI-MS spectrum of (**2**).

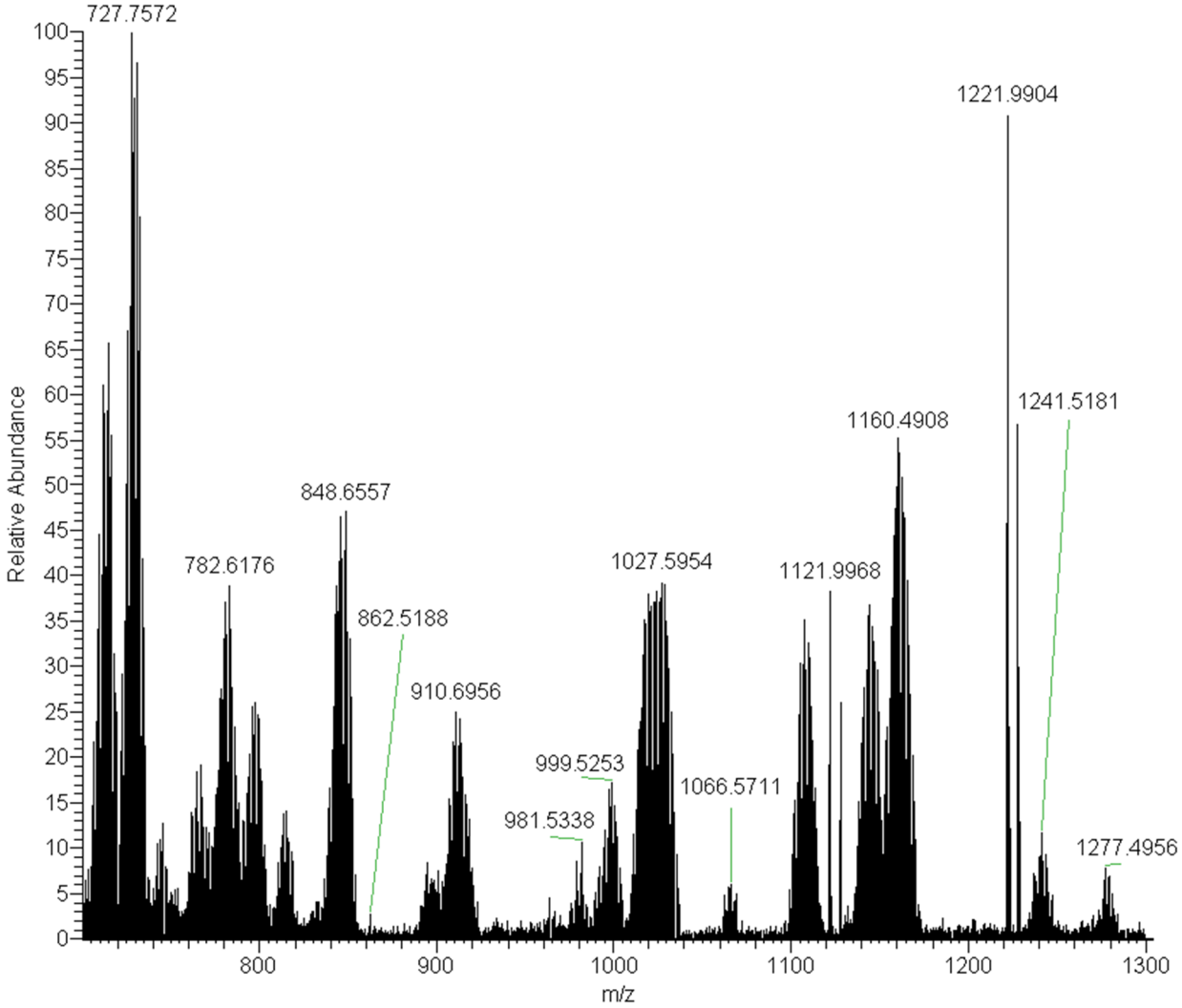

FIGURE S11. HR-ESI-MS spectrum of (**4**).