Supporting Information

Self-Assembly and Multifaceted Bioactivity of a Silver(I)-Quinolinate Coordination Polymer

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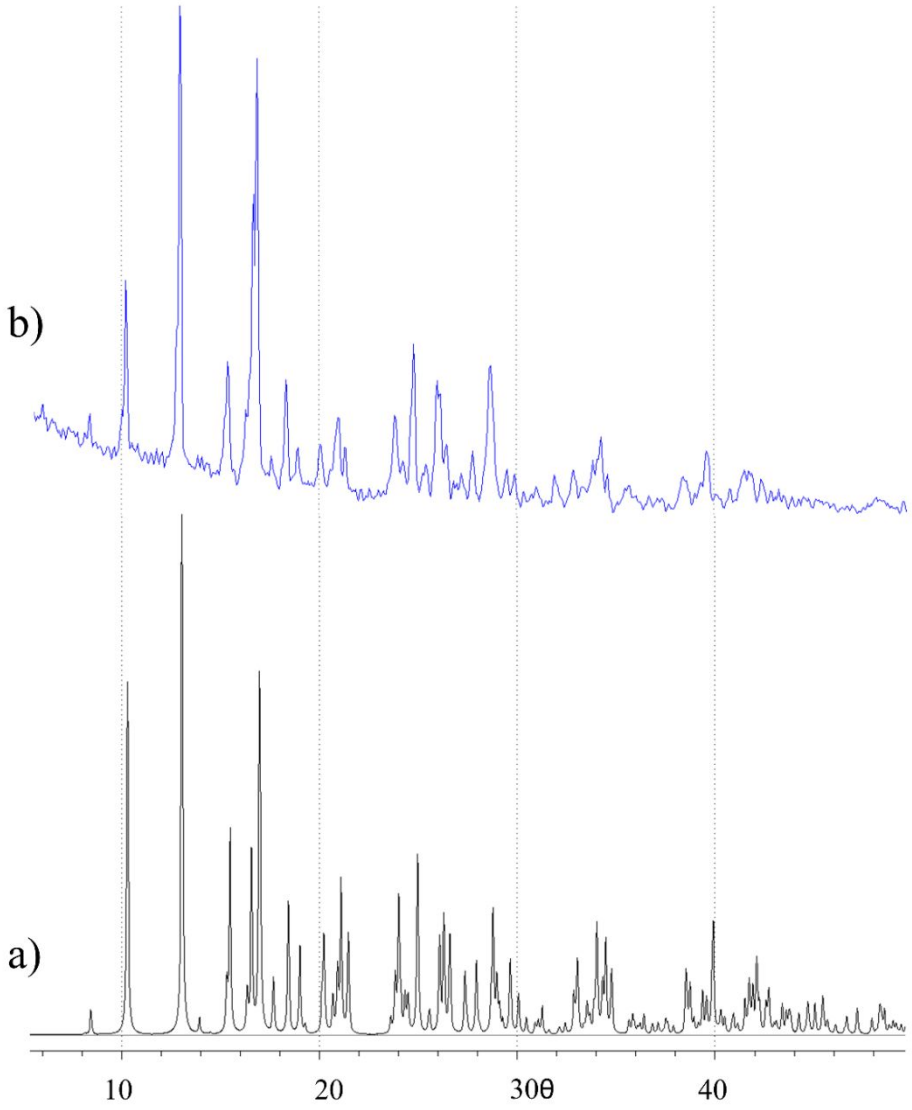

Figure S1. PXRD patterns of compound **1**: (a) calculated from the single crystal structure, (b) bulk microcrystalline product.

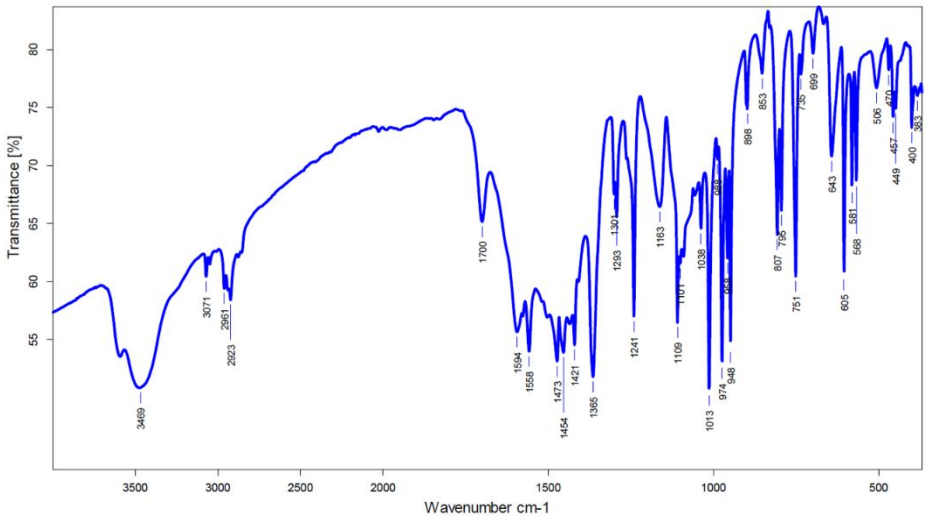

Figure S2. IR spectrum of **1**.

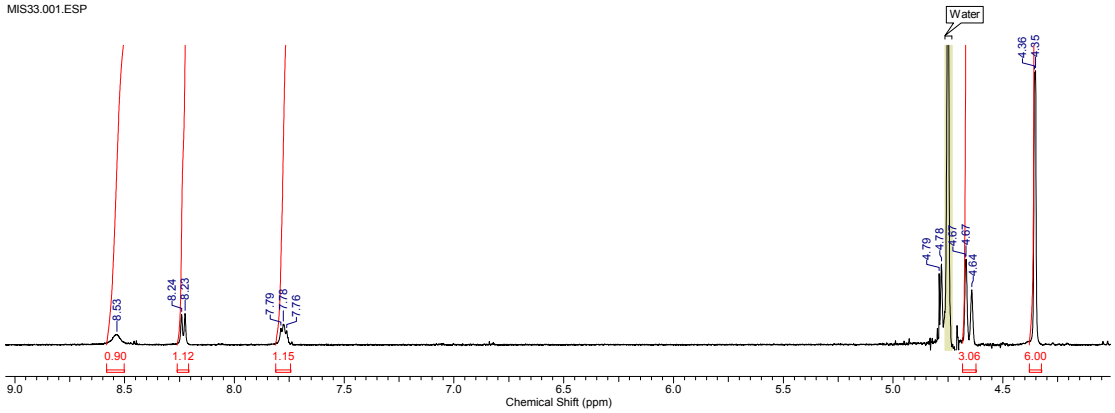

Figure S3. ^{1}H NMR spectrum of **1** (D_2O, r.t., Bruker 500 AMX).

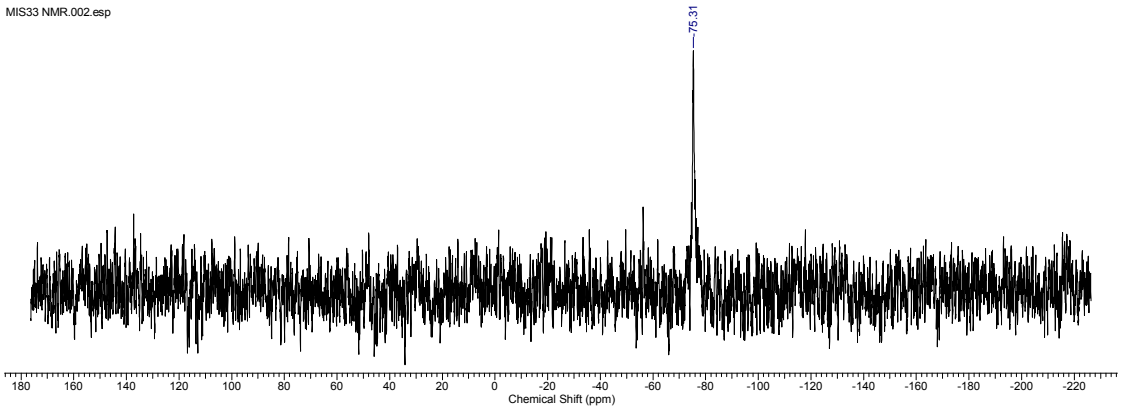

Figure S4. ^{31}P{^{1}H} NMR spectrum of **1** (D_2O, r.t., Bruker 500 AMX).

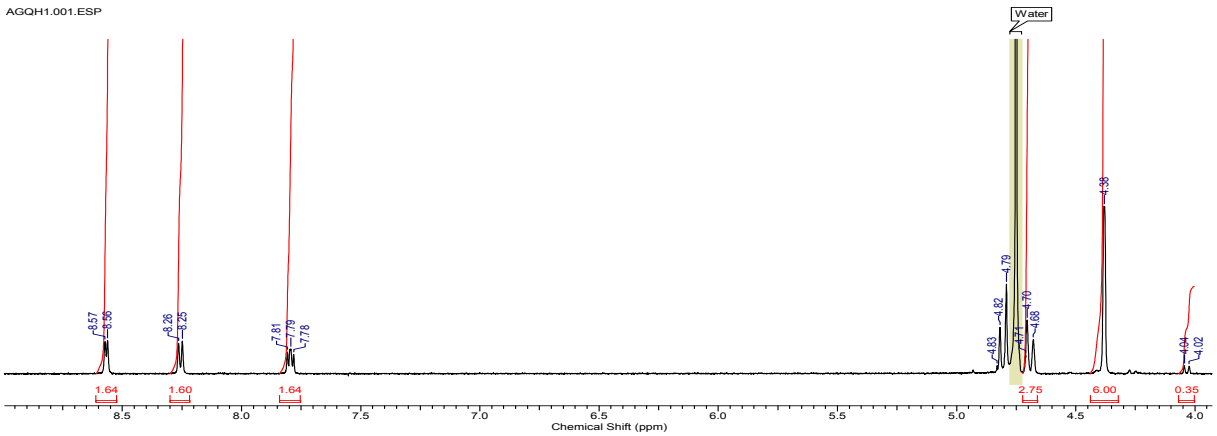

Figure S5. ^{1}H NMR spectrum of **1** (D_2O, r.t., Bruker 600 AMX, after one week).

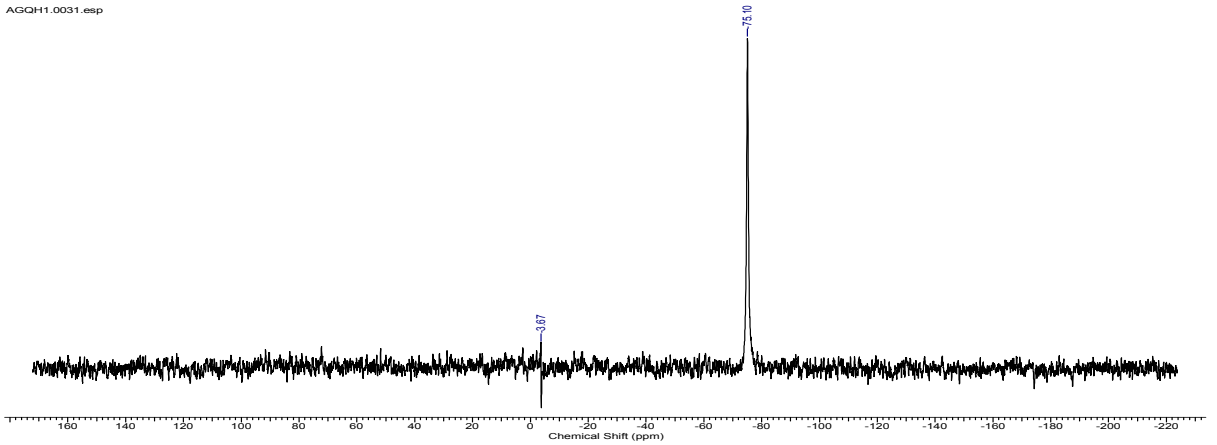

Figure S6. ^{31}P{^{1}H} NMR spectrum of **1** (D_2O, r.t., Bruker 600 AMX, after one week).

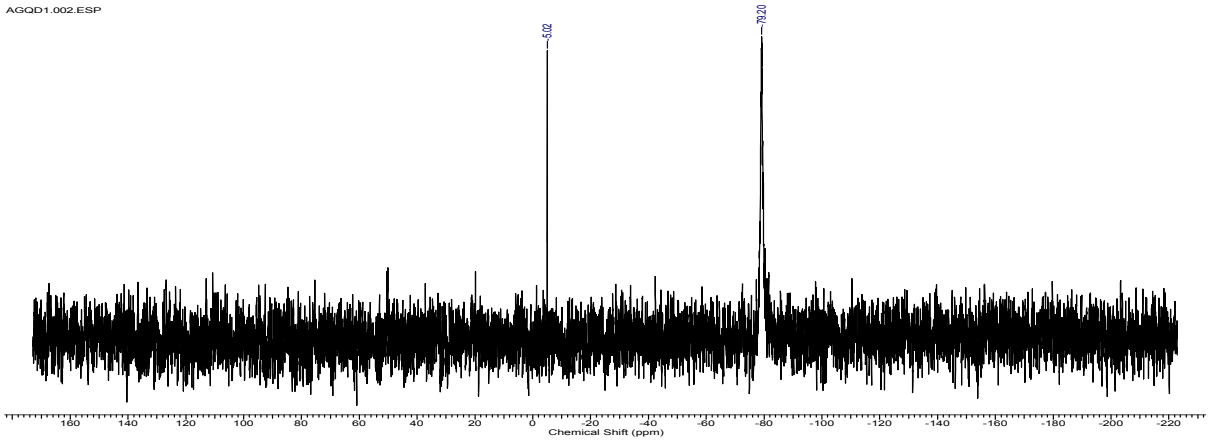

Figure S7. ^{31}P{^{1}H} NMR spectrum of **1** (DMSO-d_6, r.t., Bruker 600 AMX, after one day).

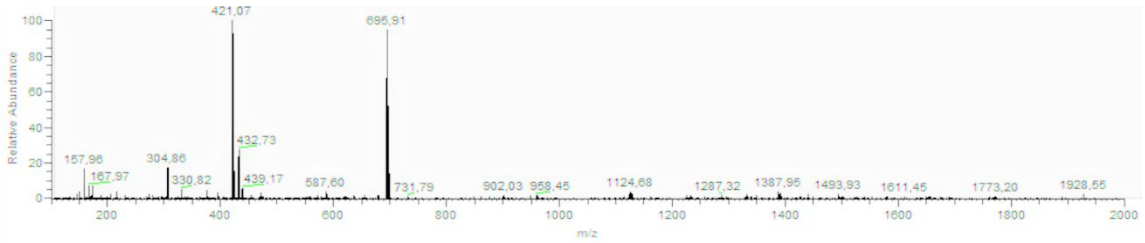

Figure S8. ESI-MS(+) spectrum of **1**.

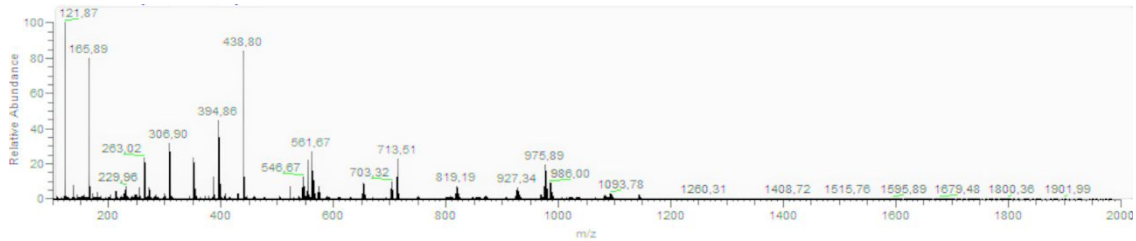

Figure S9. ESI-MS(-) spectrum of **1**.

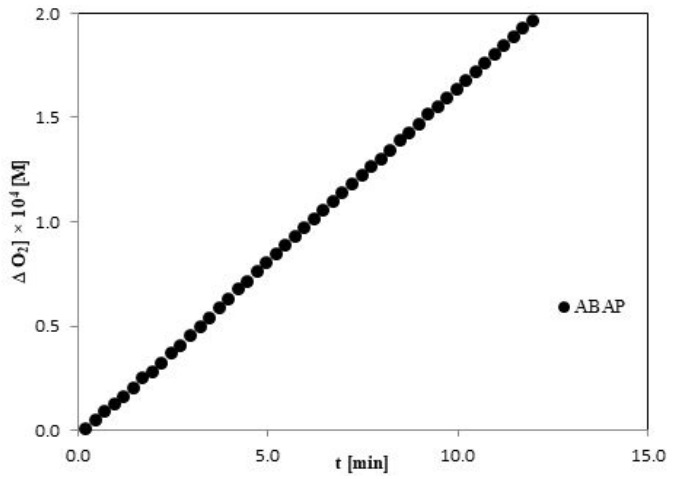

Figure S10. Oxygen uptake for autoxidation of micellar system initiated with ABAP at 37 °C, pH 7.0 Autoxidation without any additive. Final concentration: LinMe 2.74 mM, Triton X-100 8 mM).

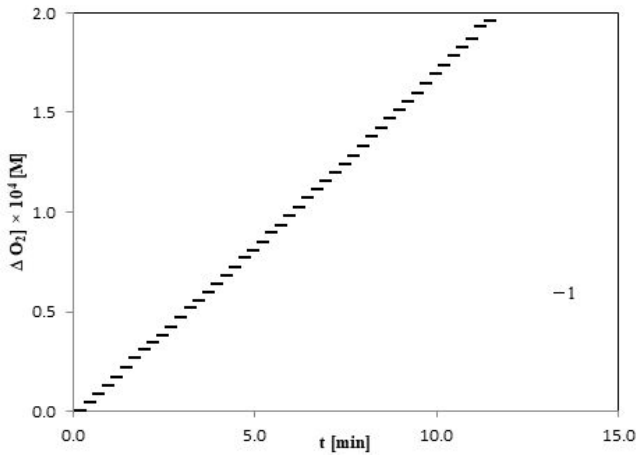

Figure S11. Oxygen uptake for autoxidation of micellar system initiated with ABAP at 37 °C, pH 7.0. Autoxidation in the presence of **1** (1 μM). Final concentration: LinMe 2.74 mM, Triton X-100 8 mM).

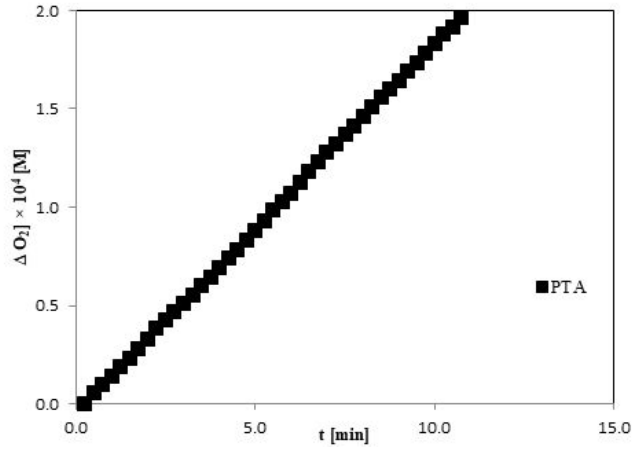

Figure S12. Oxygen uptake for autoxidation of micellar system initiated with ABAP at 37 °C, pH 7.0. Autoxidation in the presence of PTA (1 μM). Final concentration: LinMe 2.74 mM, Triton X-100 8 mM).

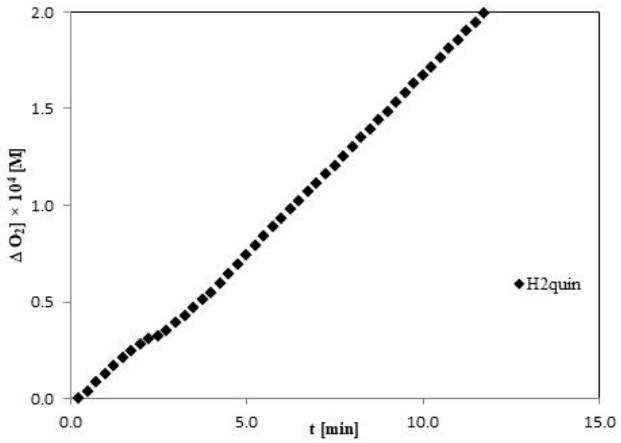

Figure S13. Oxygen uptake for autoxidation of micellar system initiated with ABAP at 37 °C, pH 7.0. Autoxidation in the presence of H_2quin (1 µM). Final concentration: LinMe 2.74 mM, Triton X-100 8 mM).

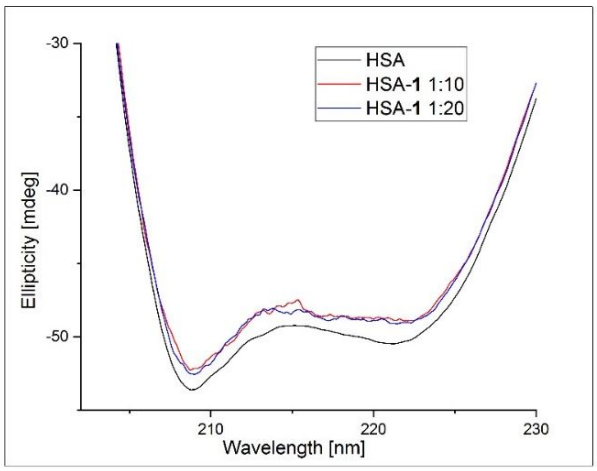

Figure S14. CD spectra of the HSA-**1** systems. [HSA] = 4 µM, 310 K, 24 h.

Table S1. Binding and thermodynamic parameters of the interaction of HSA with **1**.

T [K]	K_{sv} [M^{-1}]	K_q [$M^{-1}s^{-1}$]	K_a [M^{-1}]	n	ΔH [kJ/mol]	ΔS [J/mol]	ΔG [kJ/mol]
298	3.14×10^{3}	3.14×10^{11}	1.19×10^{4}	1.08	−124.17	−338.44	−23.27
310	2.06×10^{4}	2.06×10^{12}	1.73×10^{3}	0.891			−19.20