Supplementary Materials: Argentophilic Interactions in Two Ag^{I} Complexes of 3-(2-(Pyridin-4-yl)ethyl)pentane-2,4-dione, a Promising Ditopic Ligand

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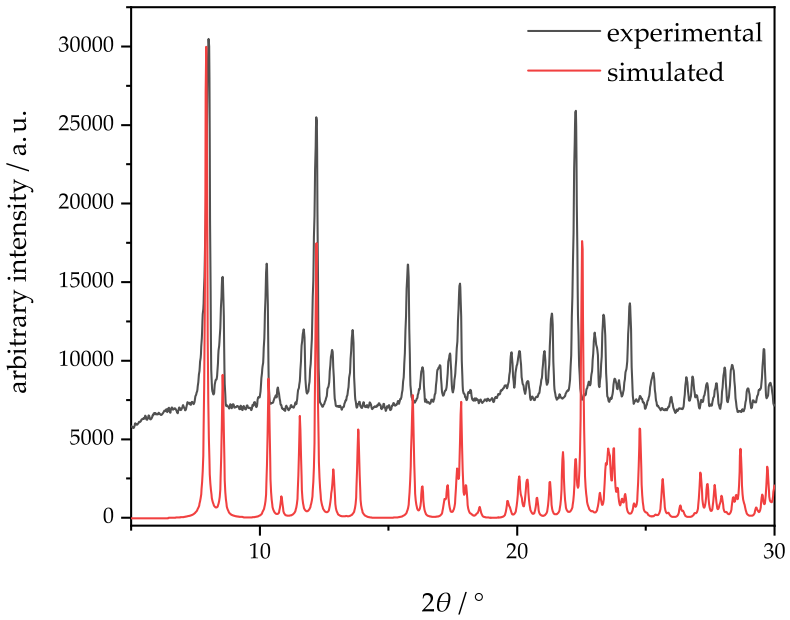

Figure S1. Experimental and simulated X-ray powder diffractogram of **1**. The simulation is based on the single crystal experiment conducted at 100 K whereas the experimental pattern was registered at room temperature, thus leading to slightly smaller 2θ values for the latter.

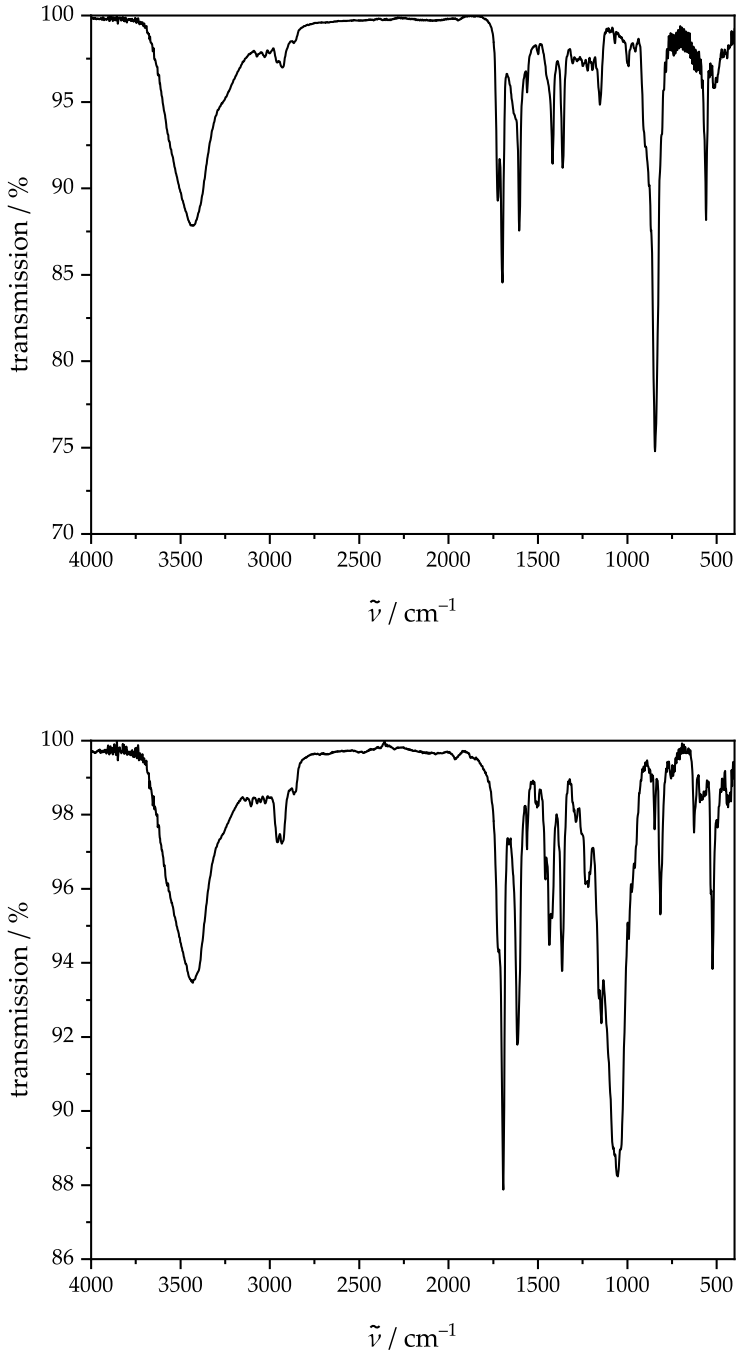

Figure S2. IR spectra of **1** (top) and **2** (bottom).

Table S1. Crystal data, data collection parameters and refinement results for **1**.

Crystal data		
Composition	$C_{24}H_{30}AgF_6N_2O_4P$	$C_{28}H_{38}AgBF_4N_2O_6$
Space group (*No.*)	$P2_1/c$ (*14*)	$P\bar{1}$ (*2*)
Crystal system	monoclinic	triclinic
a / Å	10.8000(16)	11.1270(11)
b / Å	16.310(2)	14.8723(14)
c / Å	16.006(2)	20.5106(19)
α / °		77.897(2)
β / °	107.103(4)	74.931(2)
γ / °		75.966(2)
V / Å^3	2694.7(7)	3140.5(5)
Z	4	4
ρ_{calc} / g cm^{-3}	1.635	1.466
μ / mm^{-1}	0.882	0.707
Data collection parameters		
T / K	100(2)	100(2)
Crystal size / mm	$0.59 \times 0.09 \times 0.06$	$0.25 \times 0.15 \times 0.15$
$\theta_{min}/\theta_{max}$ / °	2.38/19.14	1.43/27.63
No. of reflections	30097	42177
Independent reflections	4940	14589
Observed reflections	3516	11324
Absorption correction	multi-scan	multi-scan
Refinement results		
Reflections in refinement	4940	14589
Parameters in refinement	347	658
Restraints	0	0
R_1 / %	4.76	3.85
wR_2 / %	10.77	10.79
GOF	1.026	1.080
ρ_{min}/ρ_{max} / e Å^{-3}	−0.45/0.49	−0.63/1.81