Electronic Supplementary Information for Dalton Transactions
This journal is © The Royal Society of Chemistry 2009

Supplementary Information

Is bis(trifluorosulfonyl)amide an innocent anion?

X-ray structure data and DFT calculations

Peter Illner, Ralph Puchta, Frank W. Heinemann and Rudi van Eldik*

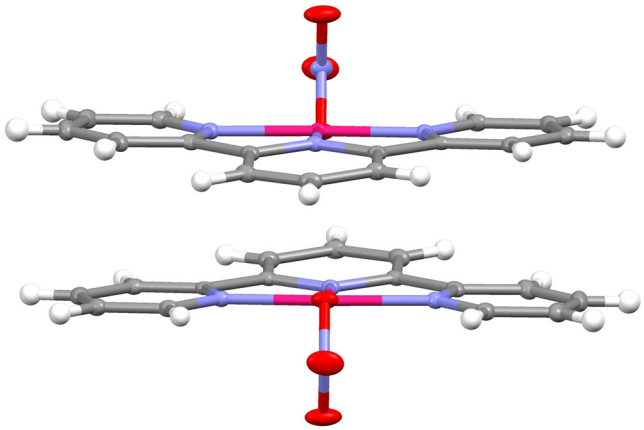

Figure S1: Stacking of the $[Pd(terpy)NO_3]^+$ units in complex **2a**

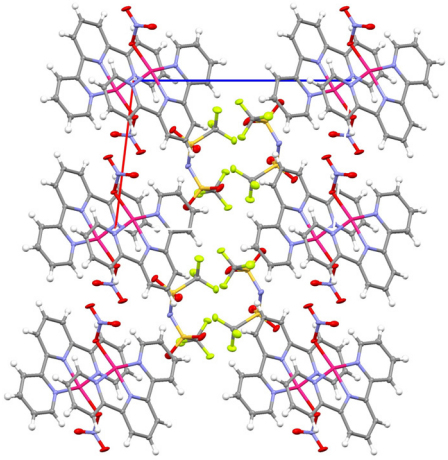

Figure S2: View along b; complex **2a**

This journal is © The Royal Society of Chemistry 2009

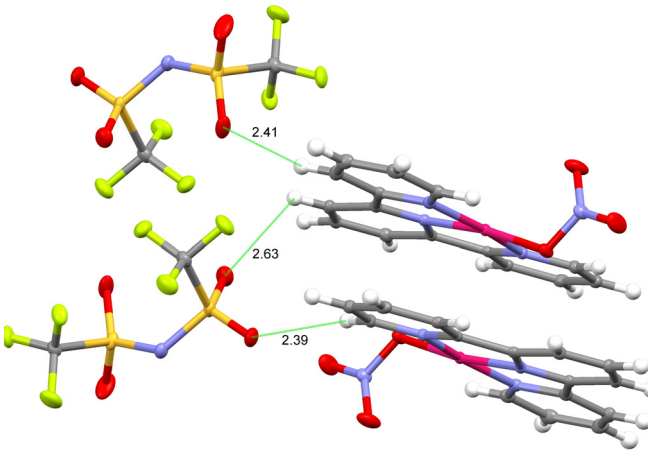

Figure S3: Short contact distances between the anion and cation in complex **2a** which are not directed and too long for hydrogen bonding

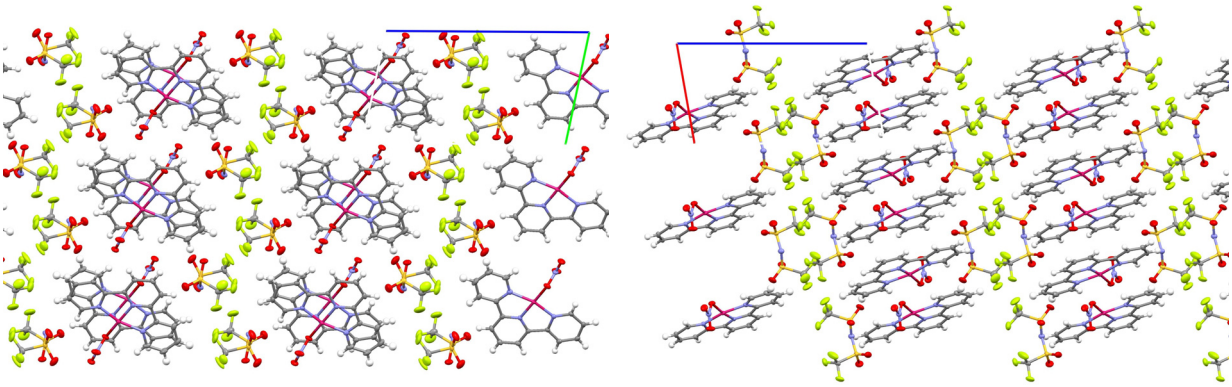

Figure S4: View along a (left) and along b (right); complex **2b**

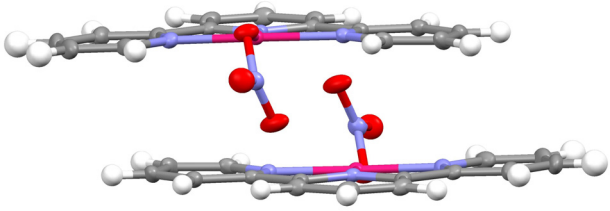

Figure S5: Side view of the complexes (**2b**) showing the inclination of the nitrate-plane to establish nitrate-hydrogen interactions

This journal is © The Royal Society of Chemistry 2009

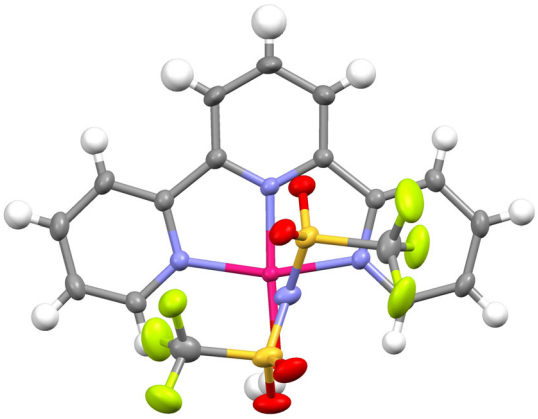

Figure S6: Position of the NTf_2^- anion relative to the terpyridine plane (orthogonal view)

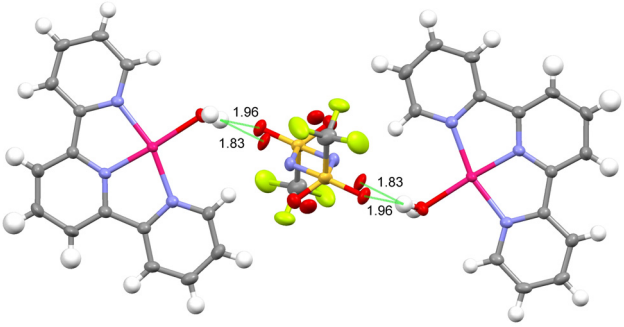

Figure S7: Structural disordered NTf_2^- anion with two hydrogen bonds on opposing sides (compound **3**)

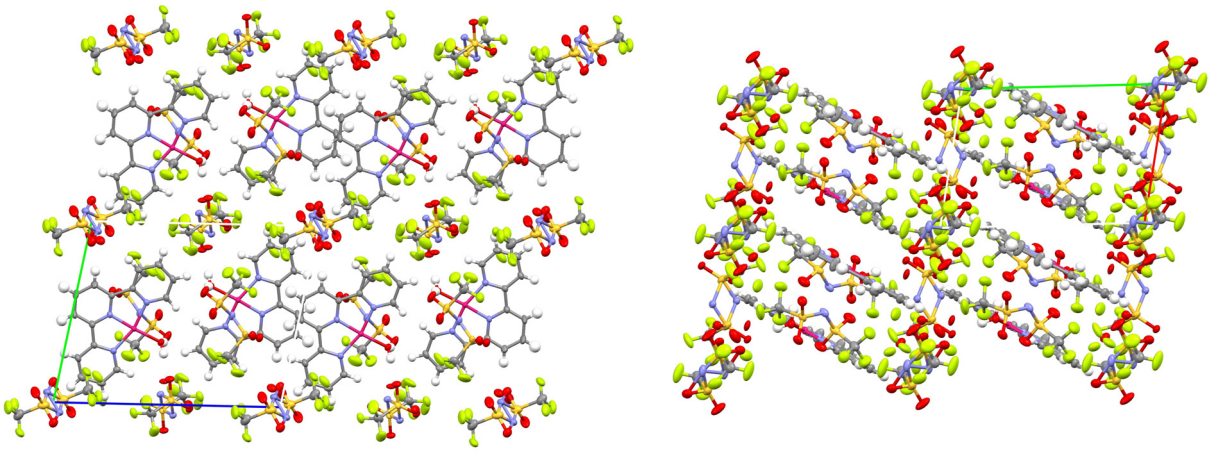

Figure S8: View along a (left) and along c (right); compound **3**