Supporting Information for Nickel-Iron Dithiolates Related to the Deactivated [NiFe]-Hydrogenases

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Figure 2: Positive ion ESI mass spectrum of [1I]BF₄.



Figure 3: Cyclic voltammogram of [11]BF₄.



Figure 4: FT-IR spectrum (v_{CO} region, CH₂Cl₂) of [1Br]BF₄.



Figure 5: Positive ion ESI mass spectrum of [1Br]BF₄.



Figure 7: FT-IR spectrum (*v*_{CO} region, CH₂Cl₂) of [1Cl]BF₄.



Figure 8: Positive ion ESI mass spectrum of [1Cl]BF₄.



Figure 9: ${}^{31}P{}^{1}H$ NMR spectrum (CD₂Cl₂, 202 MHz) of [1Cl]BF₄.



Figure 10: FT-IR spectrum (v_{CO} region, CH₂Cl₂) of [1aI]BF₄.





Figure 12: Positive ion ESI mass spectrum of [1aI]BF₄.



Figure 13: FT-IR spectrum (v_{CO} region, CH₂Cl₂) of [1bI]BF₄.



Figure 15: Positive ion ESI mass spectrum of [1bI]BF₄.



Figure 16: Cyclic voltammogram of [1bI]BF₄.



Figure 17: ${}^{31}P{}^{1}H$ NMR spectrum (CD₂Cl₂, 202 MHz) of [1aCl]BF₄.



Figure 18: FT-IR spectrum (v_{CO} region, CH_2Cl_2) of [1aCl]BF₄.



Figure 19: Positive ion ESI mass spectrum of [1aCl]BF₄.







Figure 21: FT-IR spectrum (v_{CO} region, CH₂Cl₂) of [1bCl]BF₄.



Figure 22: Positive ion ESI mass spectrum of [1bCl]BF₄.



Figure 23: FT-IR spectrum (v_{CO} region, CH₂Cl₂) of [1aF]BF₄.



Figure 24: Positive ion ESI mass spectrum of [1aF]BF₄.



Figure 25: FT-IR spectrum (v_{CO} region, CH₂Cl₂) of [1bF]BF₄.



Figure 26: Positive ion ESI mass spectrum of [1bF]BF₄.



Figure 28: Positive ion ESI mass spectrum of [2I]BF₄.



Figure 29: Cyclic voltammogram of [2I]BF₄.