

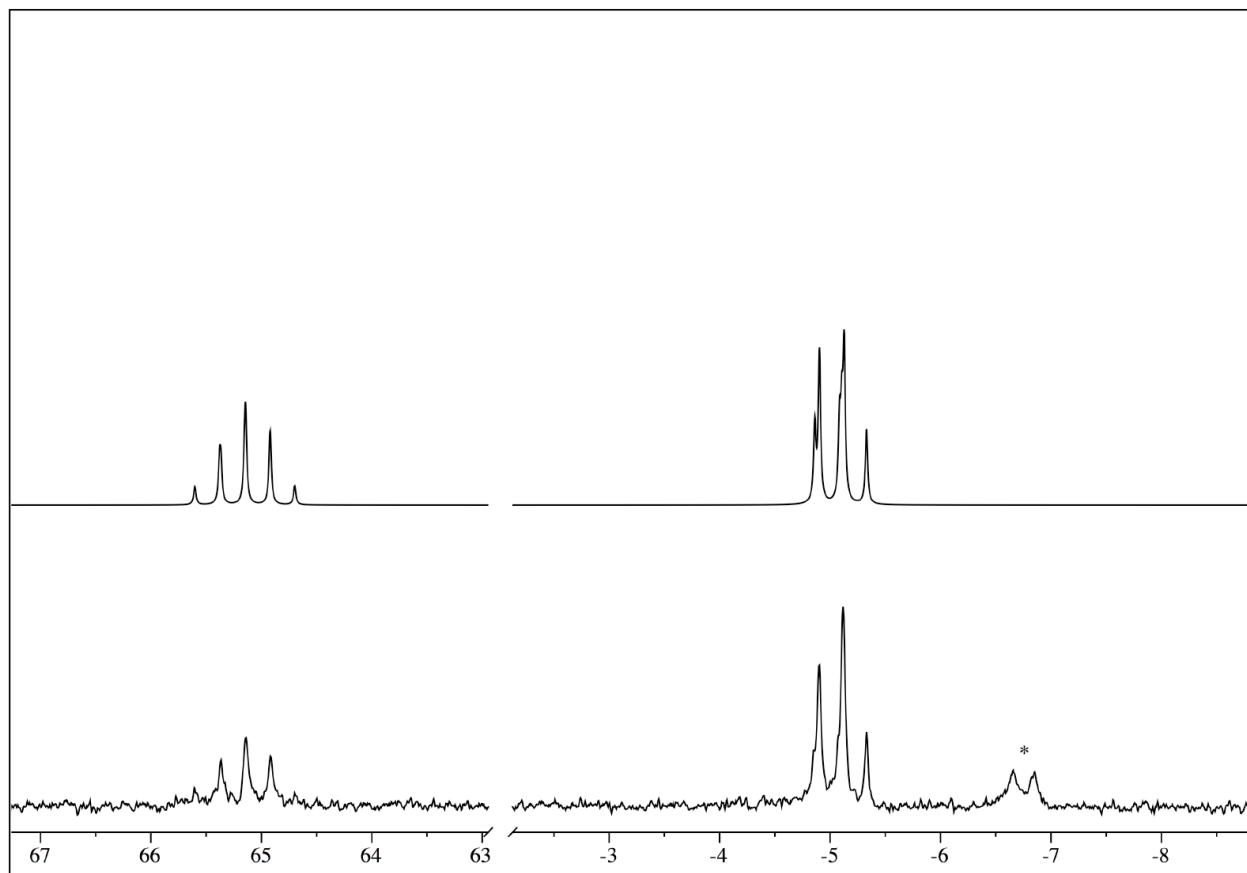
## SUPPORTING INFORMATION

### Azo Complexes of Osmium(II): Preparation and Reactivity of Organic Azide and Hydrazine Derivatives

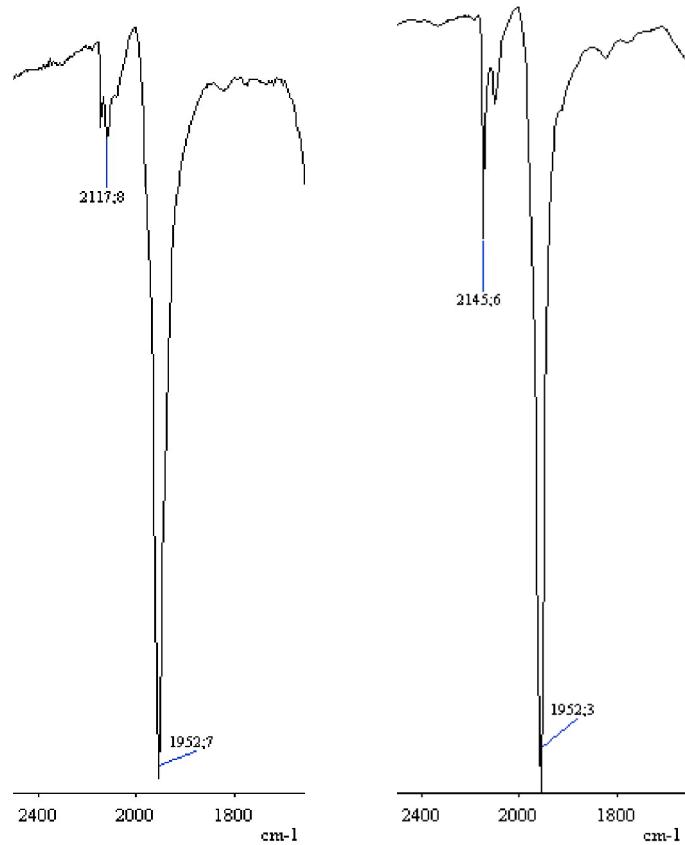
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**Figure S1.**  $^{31}\text{P}\{\text{H}\}$  NMR spectra of  $[\text{OsCl}(\eta^1\text{-}^{15}\text{N}_3\text{CH}_2\text{C}_6\text{H}_4\text{-}4\text{-CH}_3)(\text{CO})(\text{PPh}_3)_2\{\text{P}(\text{OEt})_3\}]\text{BPh}_4$  (**5b<sub>1</sub>**) in  $\text{CD}_2\text{Cl}_2$  at  $-30^\circ\text{C}$ : simulated (upper) and experimental (lower; asterisk marks an impurity).



**Figure S2.** IR spectra in KBr of the labeled  $[\text{OsCl}(\eta^1\text{-}^{15}\text{N}_3\text{CH}_2\text{C}_6\text{H}_4\text{-}4\text{-CH}_3)(\text{CO})\text{-}(\text{PPh}_3)_2\{\text{P(OEt)}_3\}]\text{BPh}_4$  (**5b<sub>1</sub>**, left) and unlabeled compound  $[\text{OsCl}(\eta^1\text{-N}_3\text{CH}_2\text{C}_6\text{H}_4\text{-}4\text{-CH}_3)(\text{CO})\text{-}(\text{PPh}_3)_2\{\text{P(OEt)}_3\}]\text{BPh}_4$  (**5b**, right).