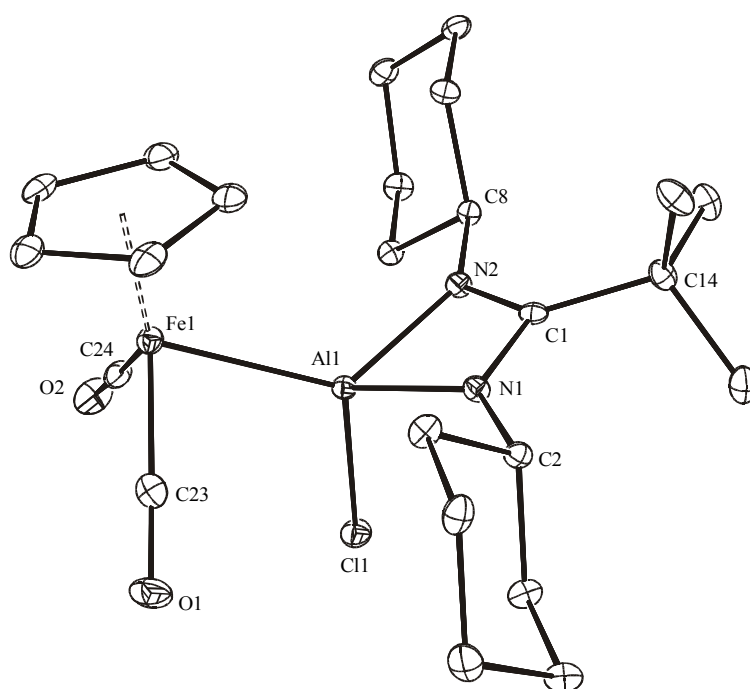


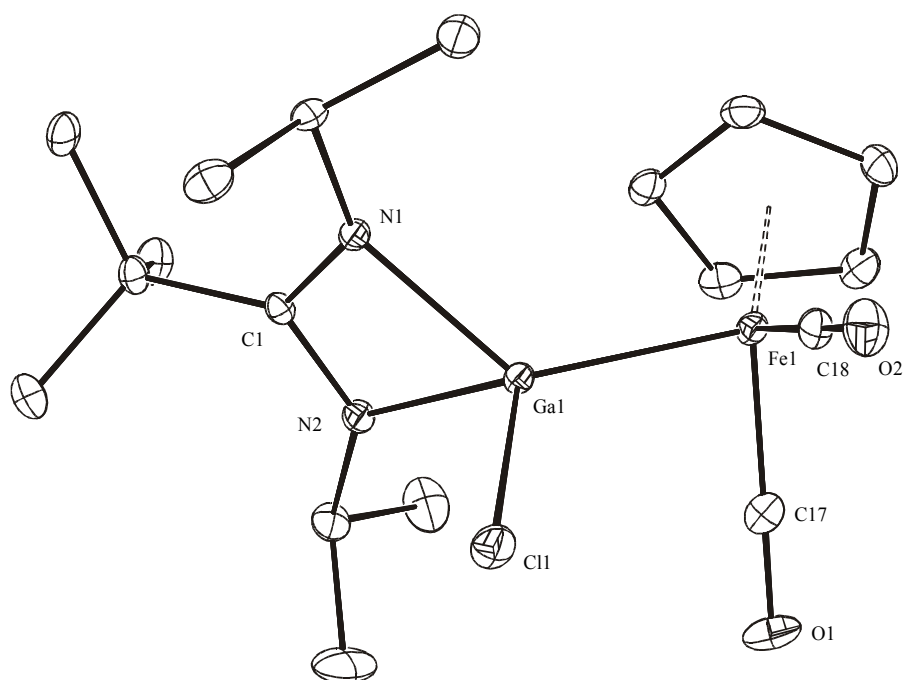
Supplementary Material (ESI) for Dalton Transactions  
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**Synthesis and Characterisation of Complexes of Group 13 Metal Amidinate Heterocycles with  
the CpFe(CO)<sub>2</sub> Fragment**

**Cameron Jones,\* Simon Aldridge,\* Timo Gans-Eichler and Andreas Stasch**

**SUPPLEMENTARY MATERIAL**



**Figure S1.** Molecular structure of **2(a)** (hydrogen atoms omitted for clarity; ellipsoids shown at the 25% probability level). Selected bond lengths (Å) and angles (°): Fe(1)-Al(1) 2.3699(8), Cl(1)-Al(1) 2.1670(10), Al(1)-N(1) 1.906(2), Al(1)-N(2) 1.912(2), N(1)-C(1) 1.353(3), N(2)-C(1) 1.350(3), N(1)-Al(1)-N(2) 69.45(9), N(1)-Al(1)-Cl(1) 108.21(7), N(2)-Al(1)-Cl(1) 106.81(7), N(1)-Al(1)-Fe(1) 122.65(7), N(2)-Al(1)-Fe(1) 127.11(7), Cl(1)-Al(1)-Fe(1) 114.42(4), N(2)-C(1)-N(1) 107.1(2).



**Figure S2.** Molecular structure of **2(c)** (hydrogen atoms omitted for clarity; ellipsoids shown at the 25% probability level). Selected bond lengths (Å) and angles (°): Ga(1)-N(2) 1.9755(15), Ga(1)-N(1) 1.9829(16), Ga(1)-Cl(1) 2.2387(8), Ga(1)-Fe(1) 2.3419(5), N(1)-C(1) 1.343(2), C(1)-N(2) 1.334(2), N(2)-Ga(1)-N(1) 66.51(6), N(2)-Ga(1)-Cl(1) 105.64(5), N(1)-Ga(1)-Cl(1) 105.41(5), N(2)-Ga(1)-Fe(1) 125.19(5), N(1)-Ga(1)-Fe(1) 126.85(5), Cl(1)-Ga(1)-Fe(1) 116.64(3), N(2)-C(1)-N(1) 108.29(16).