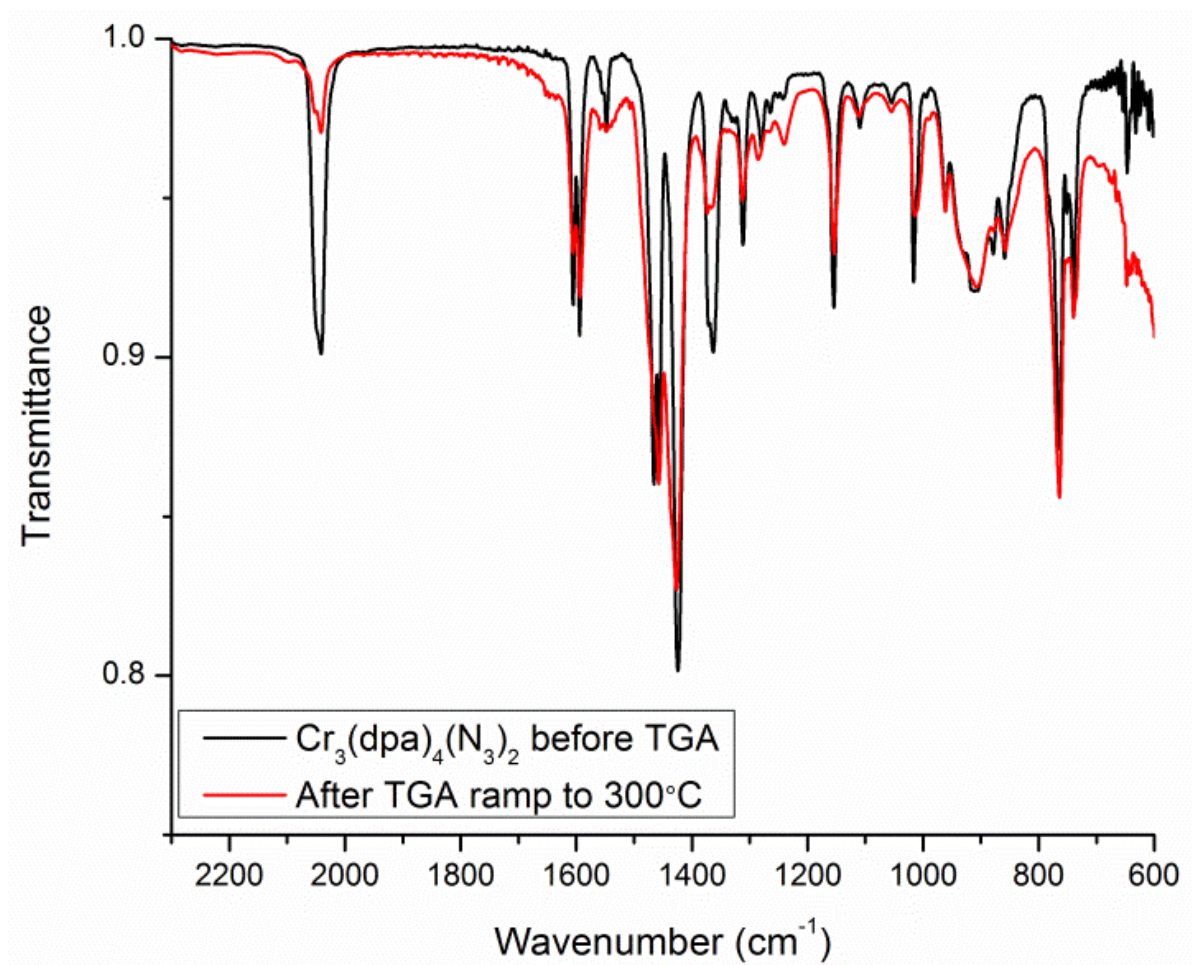


# **Synthesis, Characterization and Thermal Properties of Trimetallic $\text{N}_3\text{-Cr}\equiv\text{Cr}\cdots\text{M-N}_3$ Azide Complexes with $\text{M} = \text{Cr, Mn, Fe, and Co}$**

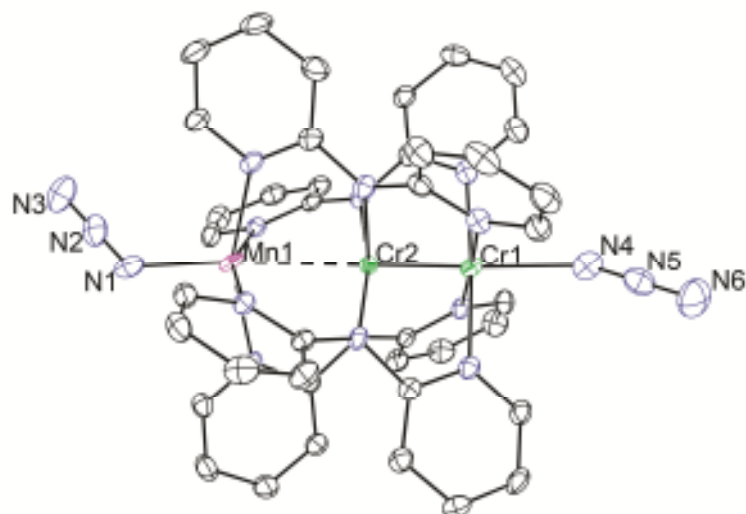
## **Supporting Information**

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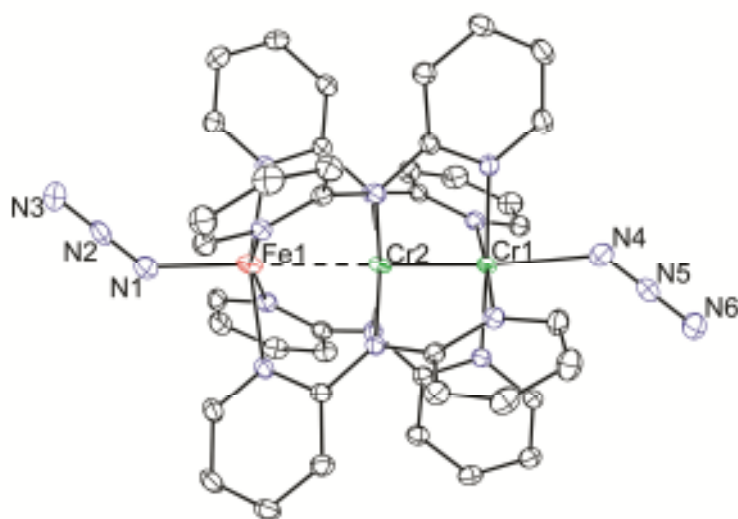
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**Fig. S1.** IR of **10** and the products resulting from heating to 300 °C by TGA.



**Fig. S2.** Crystal structure of **4** with thermal ellipsoids shown at 50% probability. Hydrogen atoms, solvent molecule, and alternative orientation not shown for clarity.



**Fig. S3.** Crystal structure of **5** with thermal ellipsoids shown at 50% probability. Hydrogen atoms, solvent molecule, and alternative orientation not shown for clarity.