

Supporting Information

Donor-assisted tetramethylaluminate/gallate exchange in organolanthanide complexes: pushing the limits of Pearsons HSAB concept

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NMR Spectra

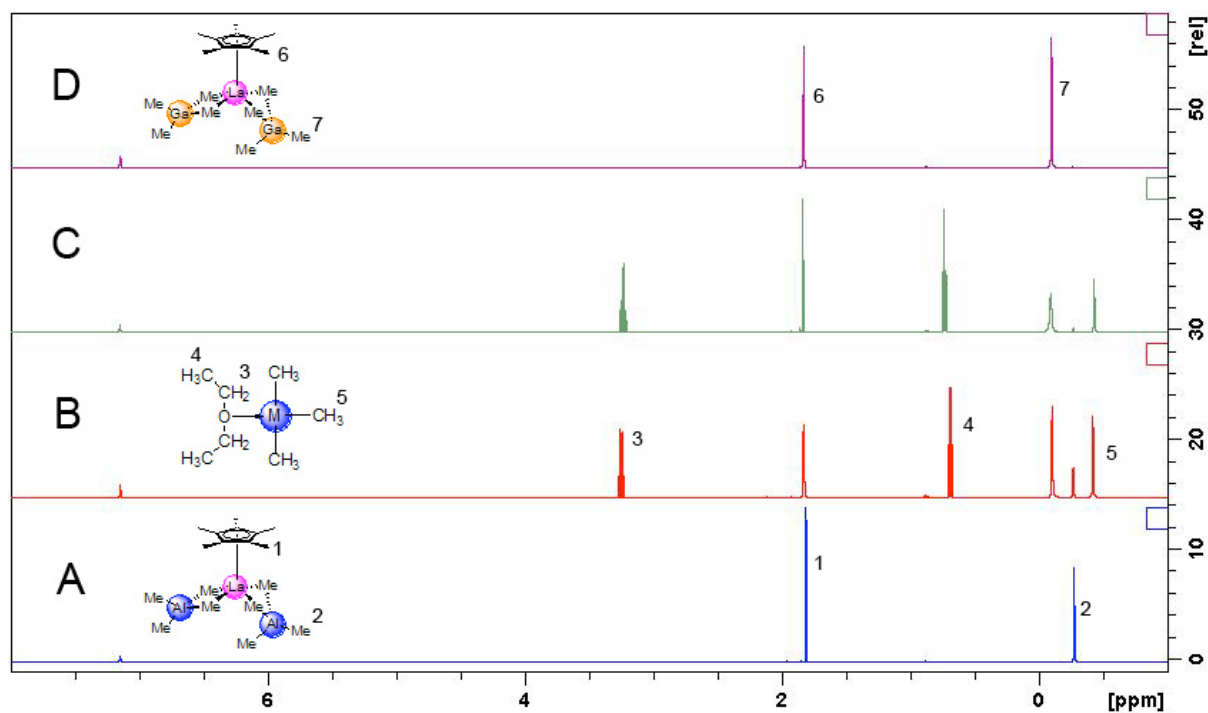


Figure S1. ^1H NMR spectra (500.13 MHz) of successive addition of $\text{GaMe}_3 \cdot \text{Et}_2\text{O}$ to $\text{Cp}^*\text{La}(\text{AlMe}_4)_2$ (**2**) in $\text{benzene-}d_6$ at 25 °C. **A:** pure **2**. **B** shortfall of $\text{GaMe}_3 \cdot \text{Et}_2\text{O}$. **C** excess of $\text{GaMe}_3 \cdot \text{Et}_2\text{O}$. **D** pure **4** after crystallization.