

*Supplementary Material*

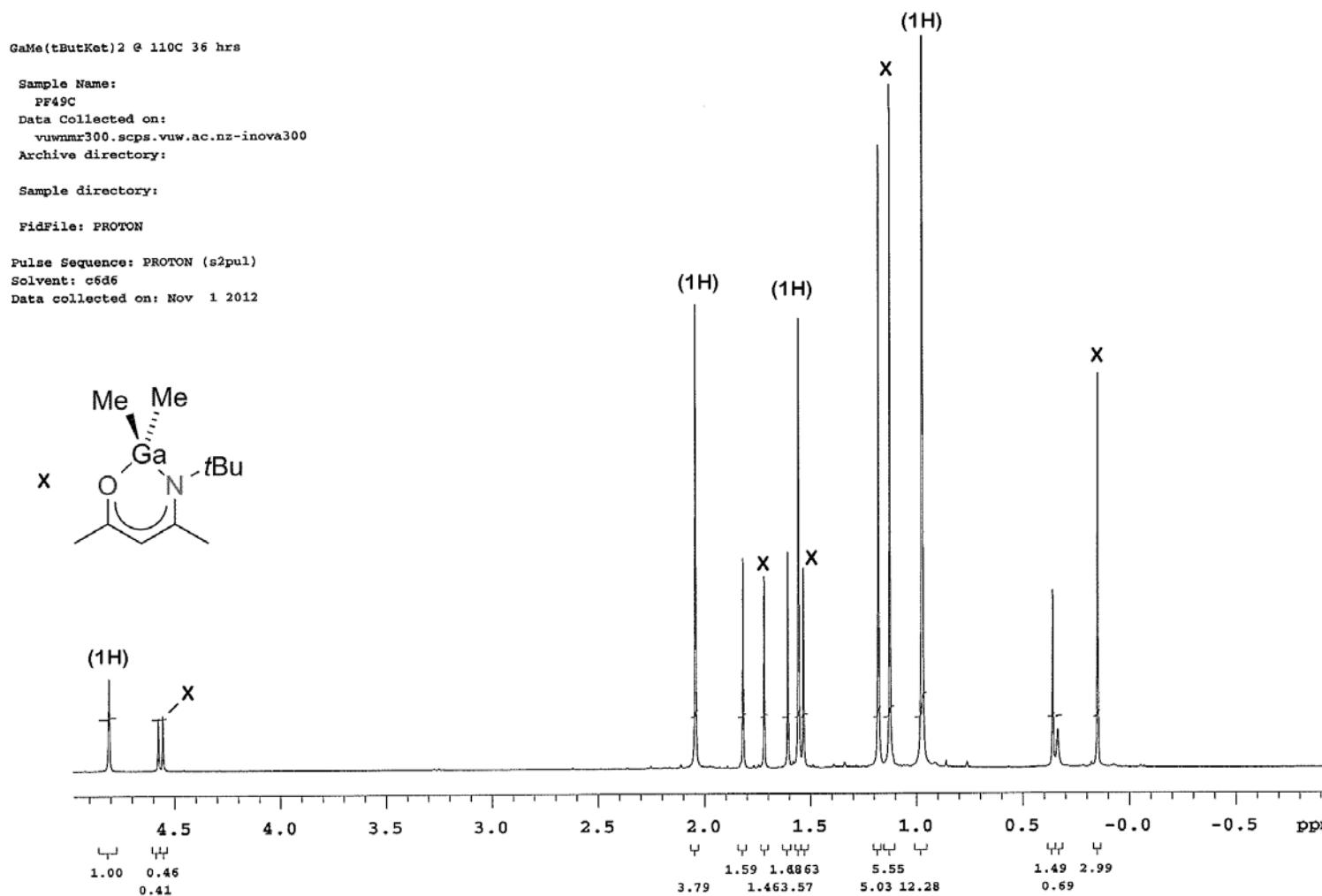
**Coordination of  $\beta$ -ketoiminate ligands at main group and transition metals**

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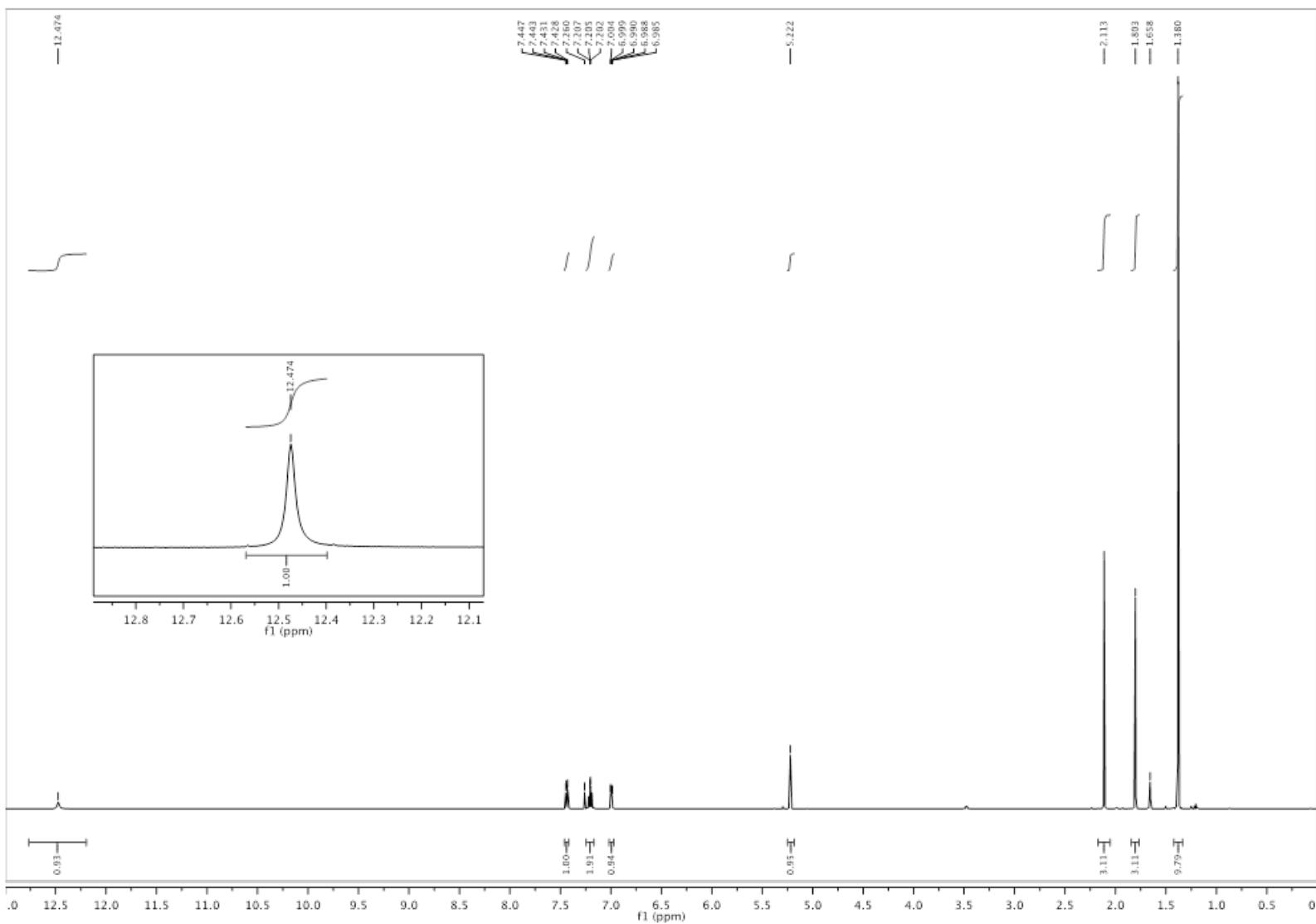
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**Figure S1**  $^1\text{H}$  NMR spectrum (300 MHz,  $\text{C}_6\text{D}_6$ ) of a 2:1 mixture of **1H** and ' $\text{GaMe}_3$ ' after 36h at 110 °C



**Figure S2**  $^1\text{H}$  NMR spectrum (300 MHz,  $\text{CDCl}_3$ ) of **2H**



**Figure S3**  $^{13}\text{C}$  NMR spectrum  
of 2H

(75 MHz,  $\text{CDCl}_3$ )

Sample Name:  
SC14a-crystal  
Data Collected on:  
vuwnmr500.scps.vuw.ac.nz-inova500  
Archive directory:  
/home/walkup/Martyn  
Sample directory:  
SC14a-crystal  
FidFile: CARBON\_20111215\_cdcl3\_500\_01  
  
Pulse Sequence: CARBON (s2pul)  
Solvent: cdcl3  
Data collected on: Dec 15 2011

