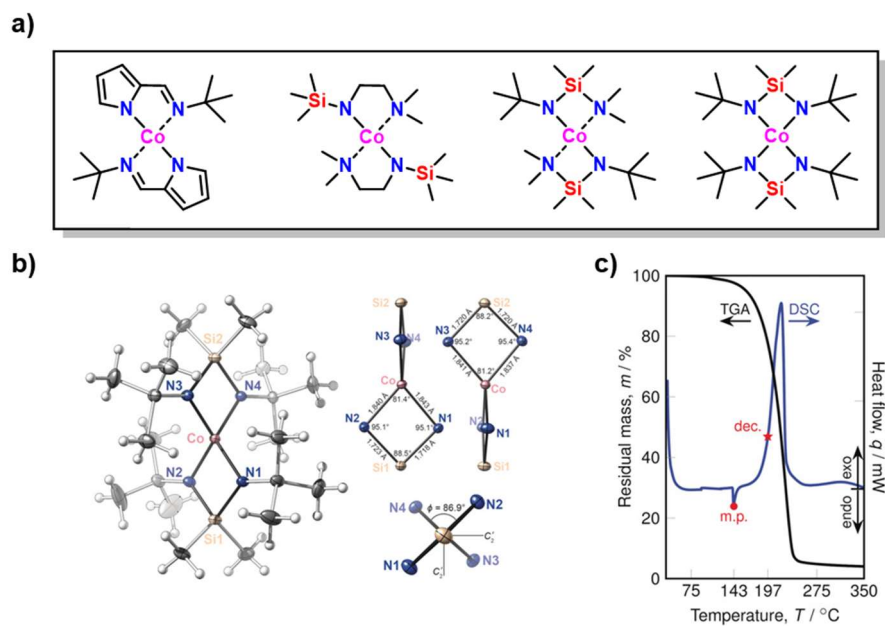


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**Figure 1.** a) Selection of Cobalt complexes investigated in this study, namely  $[\text{Co}(\text{IMPR})_2]$ ,  $[\text{Co}(\text{TMSAEDMA})_2]$ ,  $[\text{Co}(\text{gDAS})_2]$  and  $[\text{Co}\{(\text{N}^i\text{Bu})_2\text{SiMe}_2\}_2]$ . b) left: solid state structure of  $[\text{Co}\{(\text{N}^i\text{Bu})_2\text{SiMe}_2\}_2]$ . Top right: key bond angles and bond length of the complex; bottom right: ligand plane angle  $\phi$  and  $\text{C}_2'$ . c) TGA (black) and DSC (blue) of  $[\text{Co}\{(\text{N}^i\text{Bu})_2\text{SiMe}_2\}_2]$ . [4,5,6]