

Figure 1: Partial overview of investigated Co nitrogen coordinated precursor candidates.^[3]

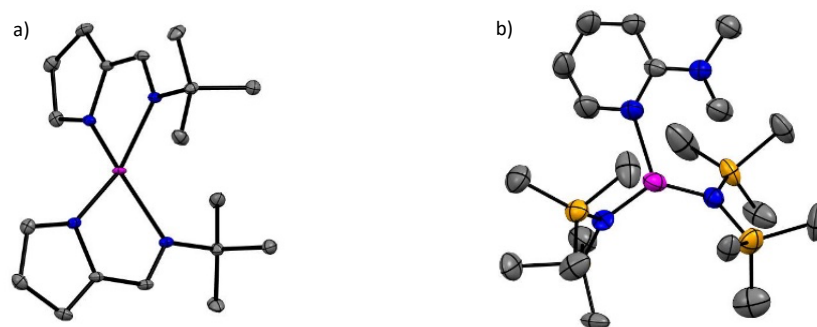


Figure 2: Exemplary crystal structures of a) cobalt(II) N-tert-butyl-methanimine(pyrrolate) **9** and b) N,N-dimethylpyridine-2-amido cobalt(II) silylamide **4** to showcase the structural investigation.

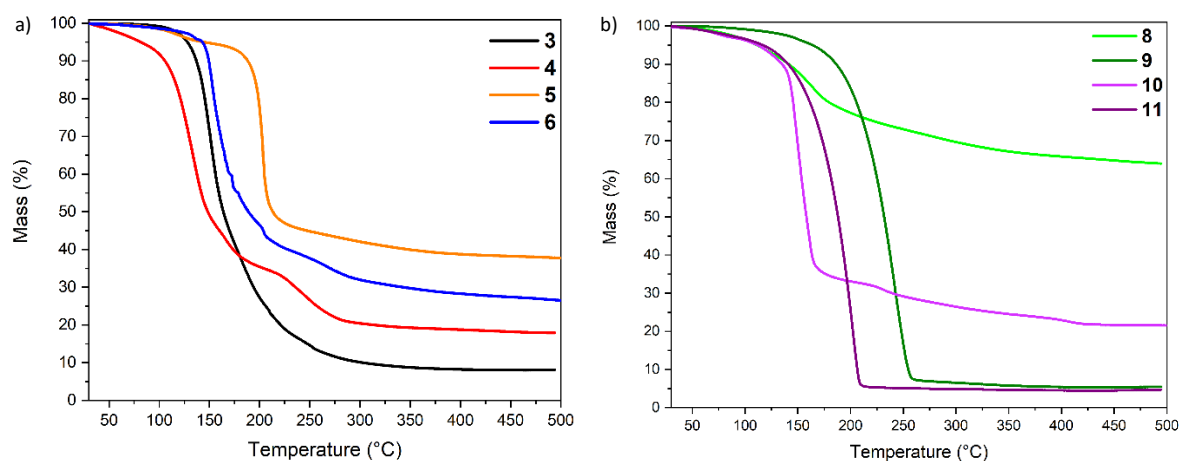


Figure 3: Comparative overview of the thermogravimetric analysis of the a) heteroleptic silylamide complexes with nitrogen coordinating ligands and b) the homoleptic amine and imine based pyrrolates and amido-amines.