

Supplementary Material

Grafting of peralkylated Ln^{II}Al^{III} heterobimetallic complexes onto periodic mesoporous silica KIT-6^{†‡}

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FTIR Spectroscopy

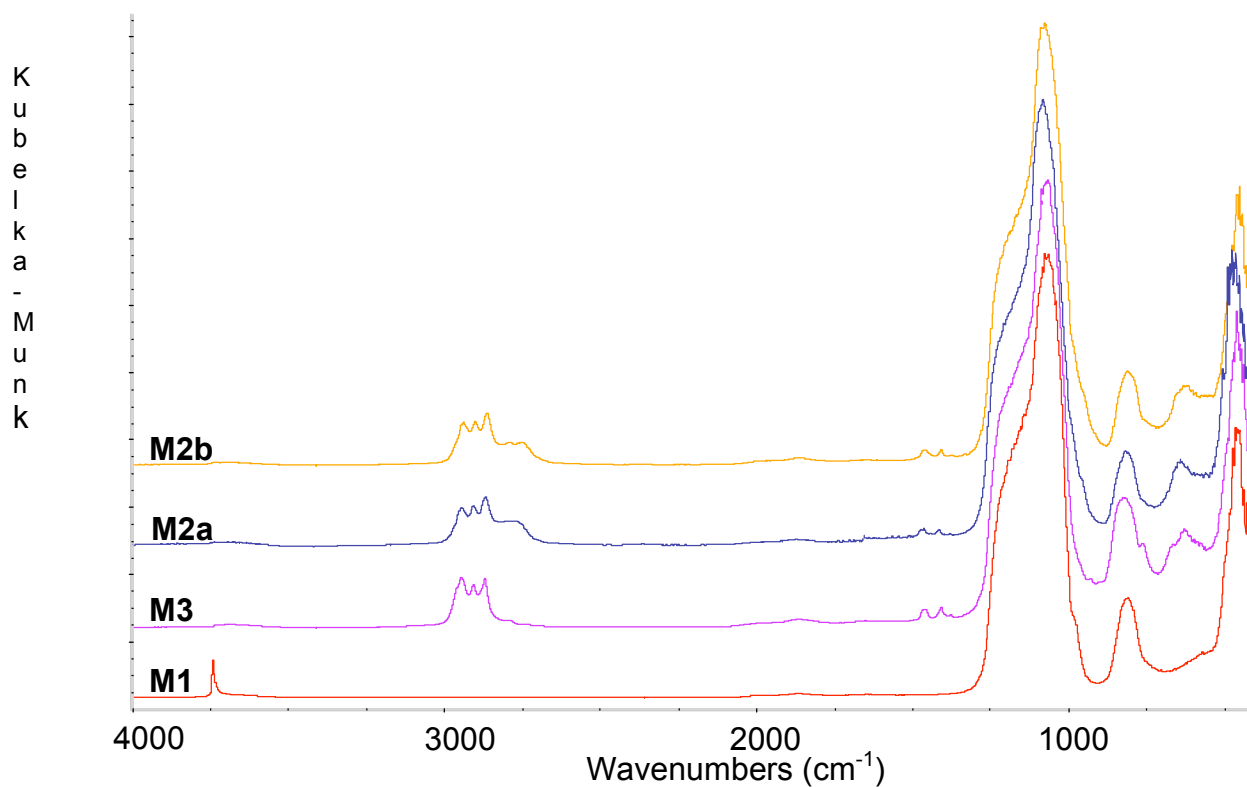


Figure S1 DRIFT spectra of dehydroxylated parent mesoporous material KIT-6₅₀₀ (**M1**) and hybrid materials AlEt₃@KIT-6₅₀₀ (**M3**), [Sm(AlEt₄)₂]@KIT-6₅₀₀ (**M2a**) and [Yb(AlEt₄)₂]@KIT-6₅₀₀ (**M2b**).

Variable Temperature NMR Spectroscopy

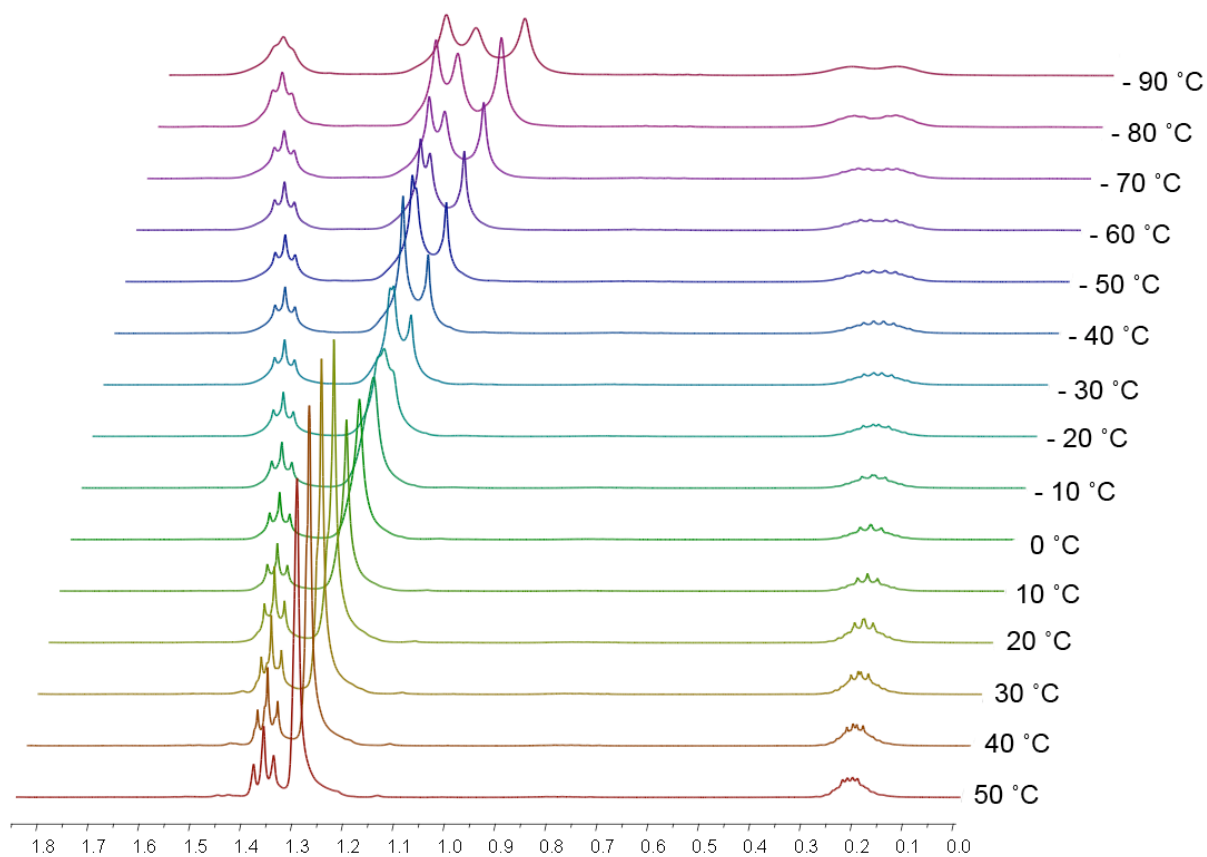


Figure S2 Variable temperature ¹H NMR spectra of Yb[(μ-OSi(OtBu)₃)(μ-Et)AlEt₂]₂ (**2b**), in [D₈]toluene.