Electronic Supplementary Information for Dalton Transactions

Supplementary Material:

Cationic rare-earth-metal methyl complexes: a new preparative access

Anja Nieland, Andreas Mix, Beate Neumann, Hans-Georg Stammler and Norbert W. Mitzel*

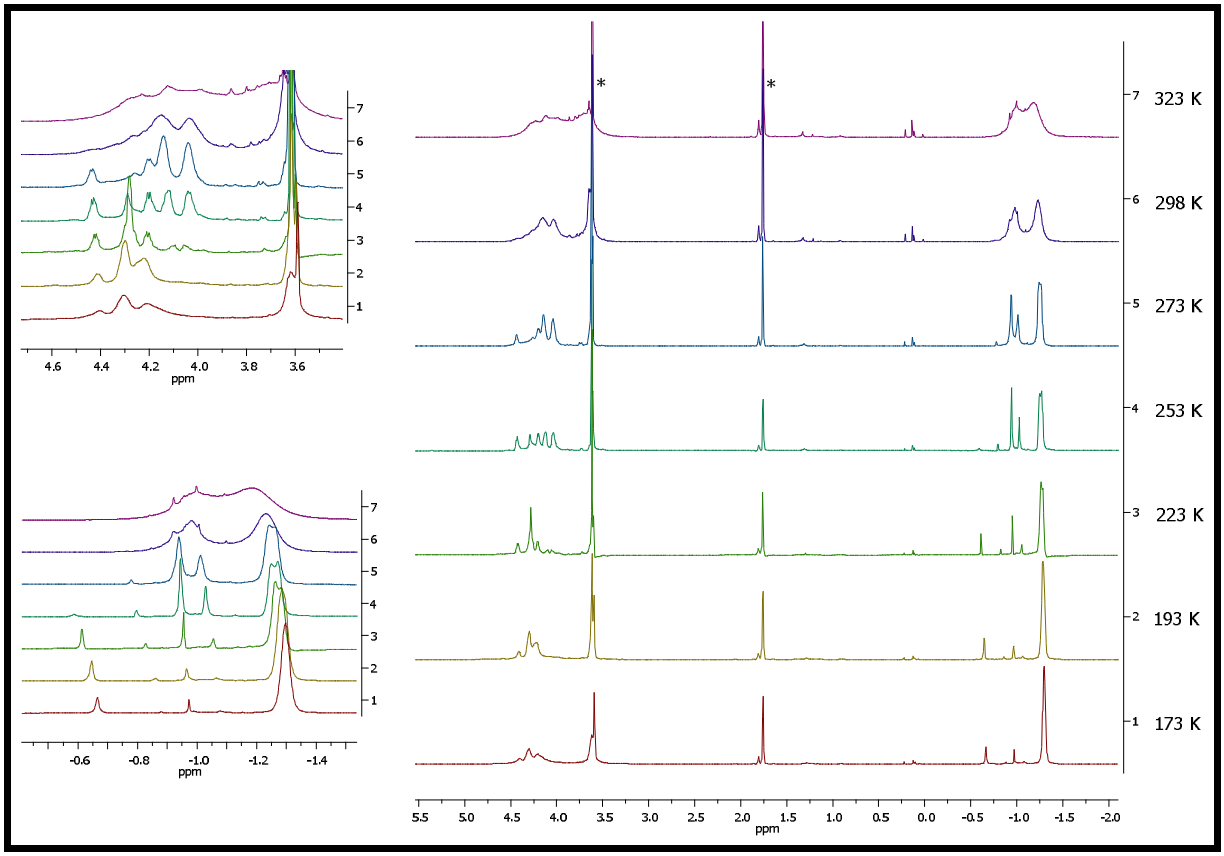

Figure S1: ^{1}H NMR Spectrum of **1** in [D_8]thf at variable temperatures. Signals marked with an * are residual signals of the solvent.

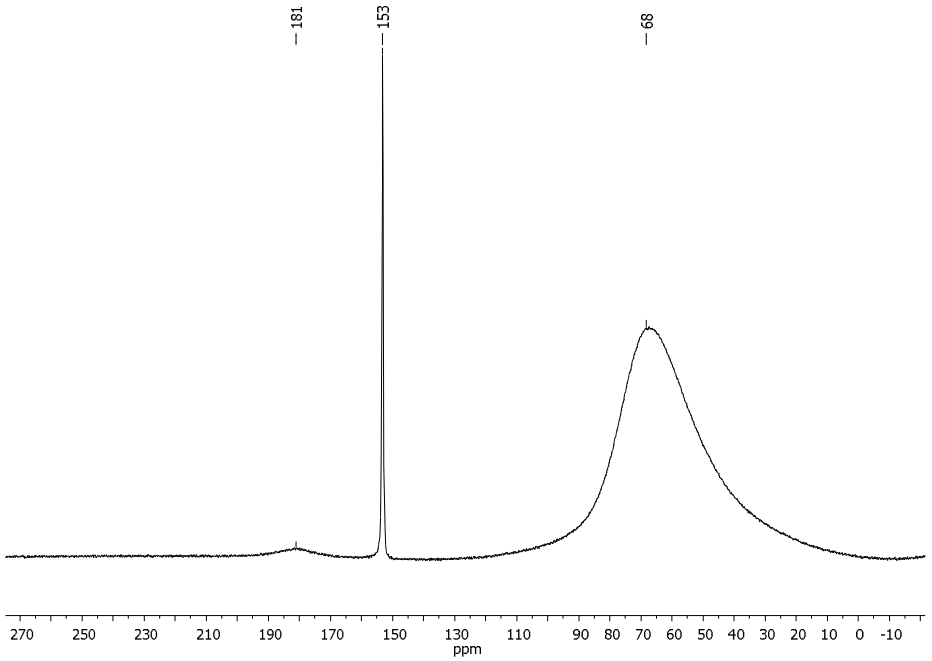

Figure S2: ^{27}Al NMR Spectrum of **1** at 298 K.

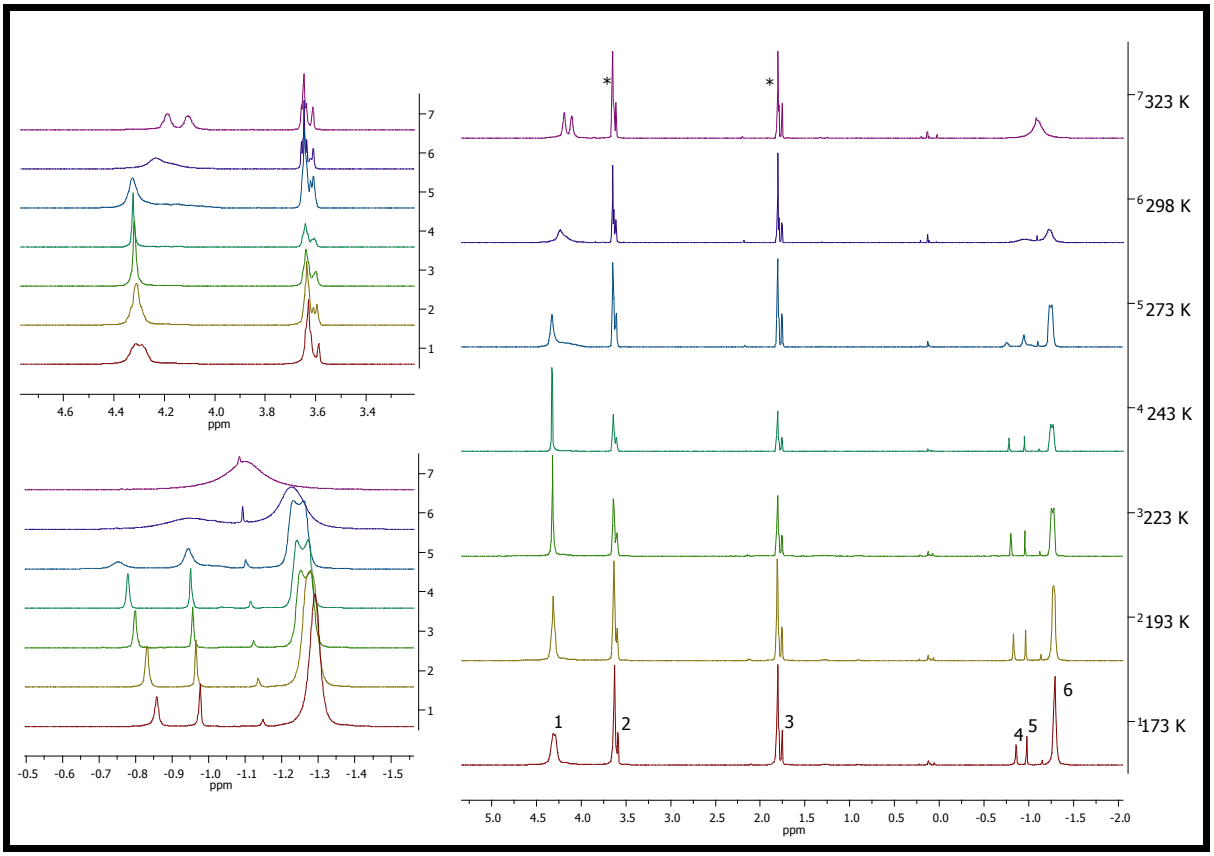

Figure S3: ^{1}H NMR Spectrum of **3** in [D_8]thf at variable temperatures. Signals marked with an * are residual signals of the solvent.

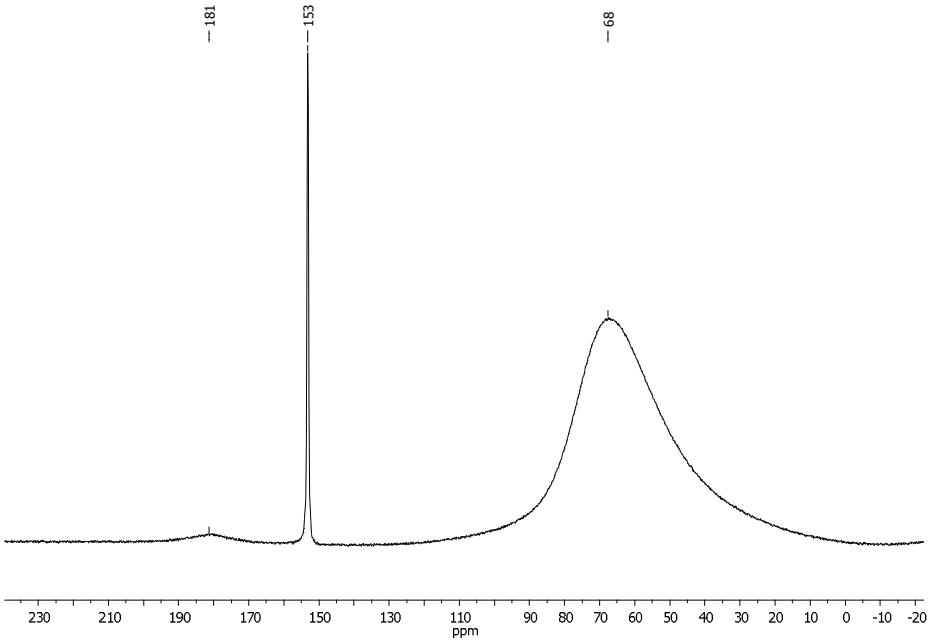

Figure S4: ^{27}Al NMR Spectrum of **3** at 298 K.

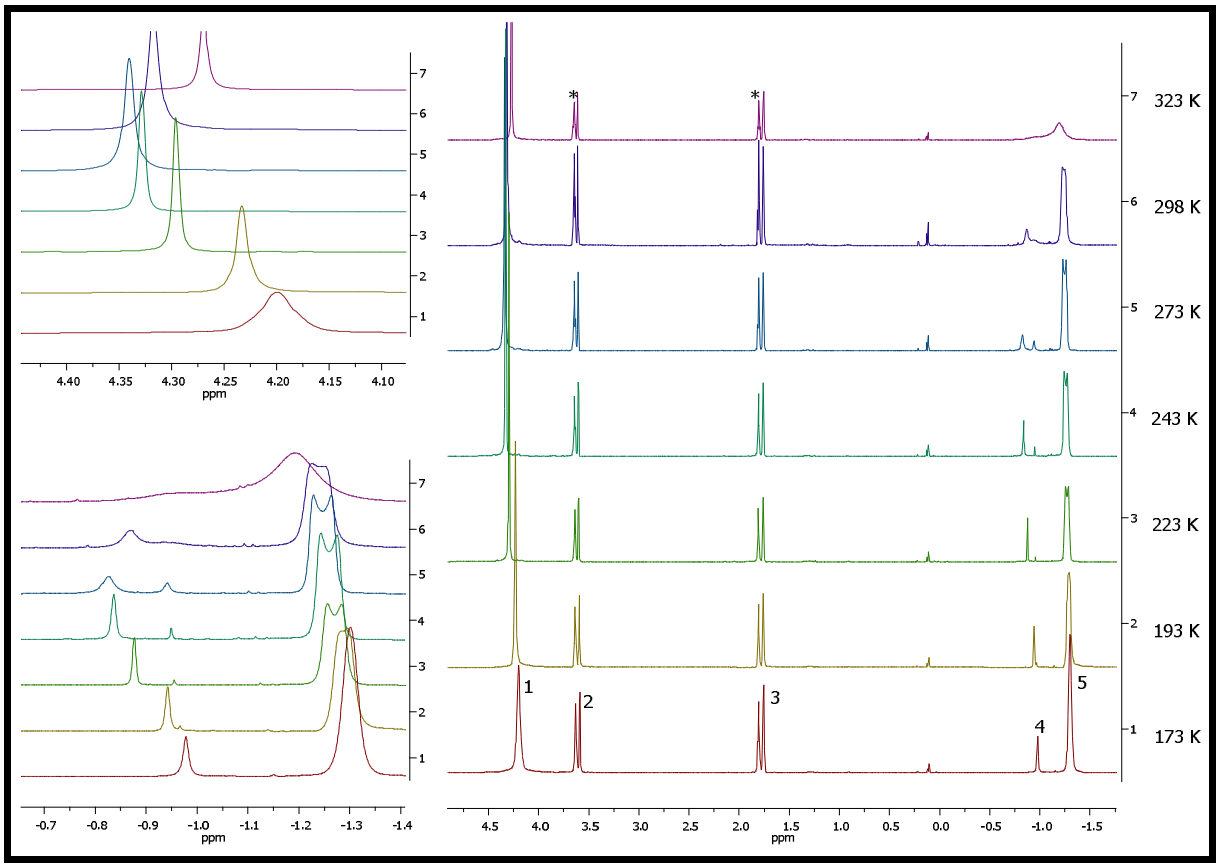

Figure S3: ^{1}H NMR Spectrum of 5 in [D$_8$]thf at variable temperatures. Signals marked with an * are residual signals of the solvent.