

Electronic Supporting Information

Scandium alkyl and amide complexes containing a cyclen-derived (NNNN) macrocyclic ligand: synthesis, structure and ring-opening polymerization activity towards meso-lactide monomer

Jean-Charles Buffet and Jun Okuda

^a*Institut für Anorganische Chemie, RWTH Aachen, Landoltweg 1, D-52074 Aachen, Fax: (+49) 241 80 92 644*

E-mail: jun.okuda@ac.rwth-aachen.de

List of contents

Fig. S1: ^1H NMR spectrum of compound 1	S3
Fig. S2: ^1H NMR spectrum of compound 2	S4
Fig. S3: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound 2	S4
Fig. S4: ^1H NMR spectrum of compound 3	S5
Fig. S5: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound 3	S5
Fig. S6: ^1H NMR spectrum of compound 4	S6
Fig. S7: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound 4	S6

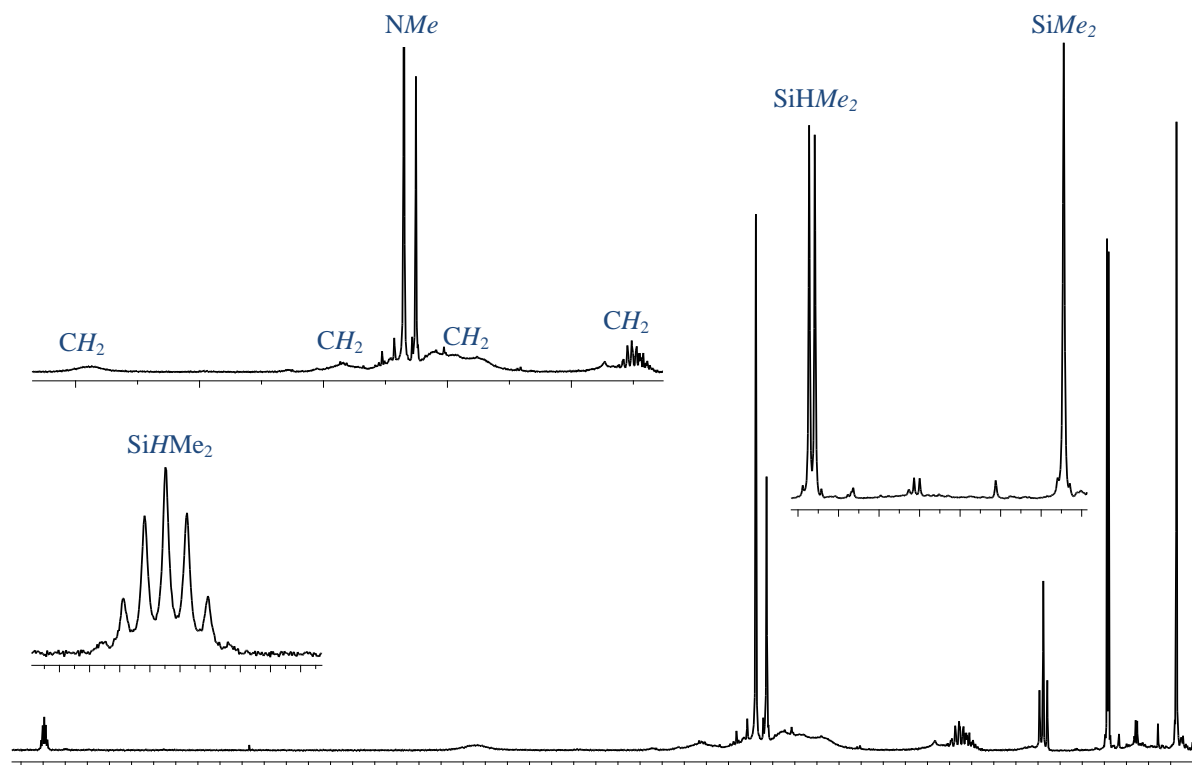


Fig. S1 ^1H NMR spectrum of compound **1** (400 MHz, C_6D_6 , 25 °C)

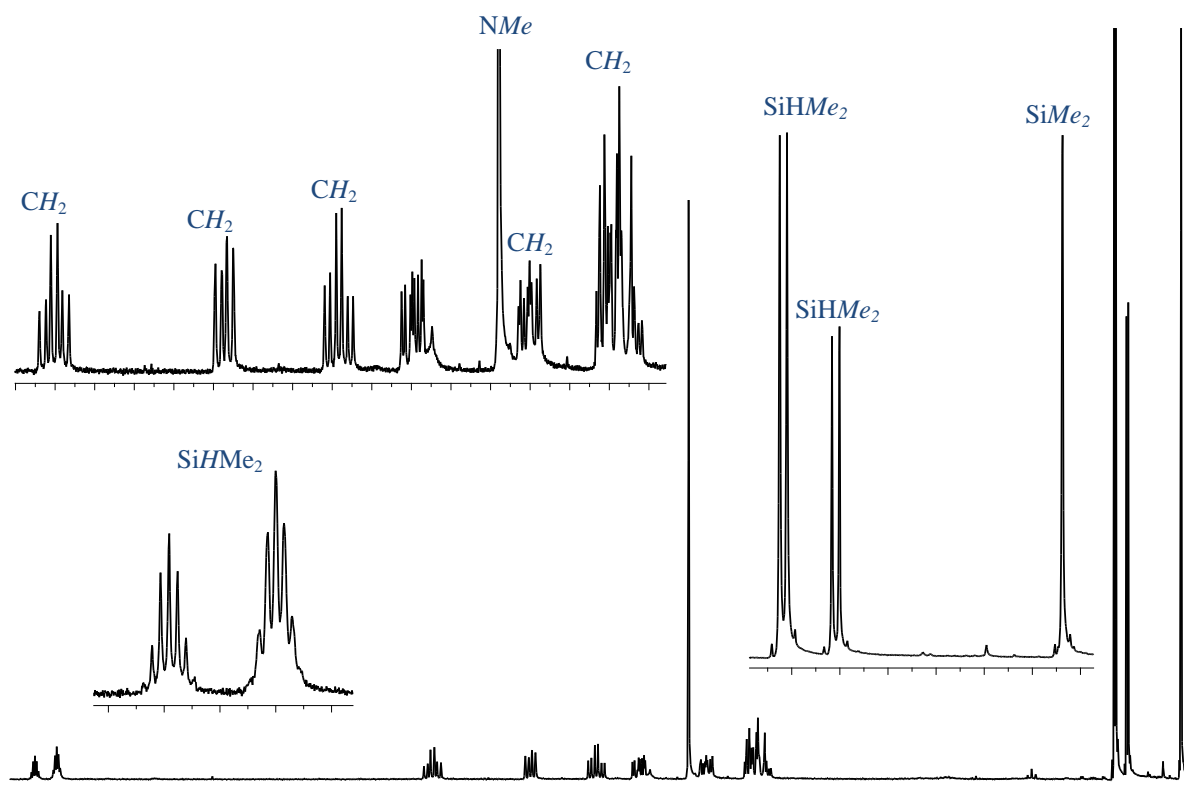


Fig. S2 ^1H NMR spectrum of compound **2** (400 MHz, C_6D_6 , 25 °C)

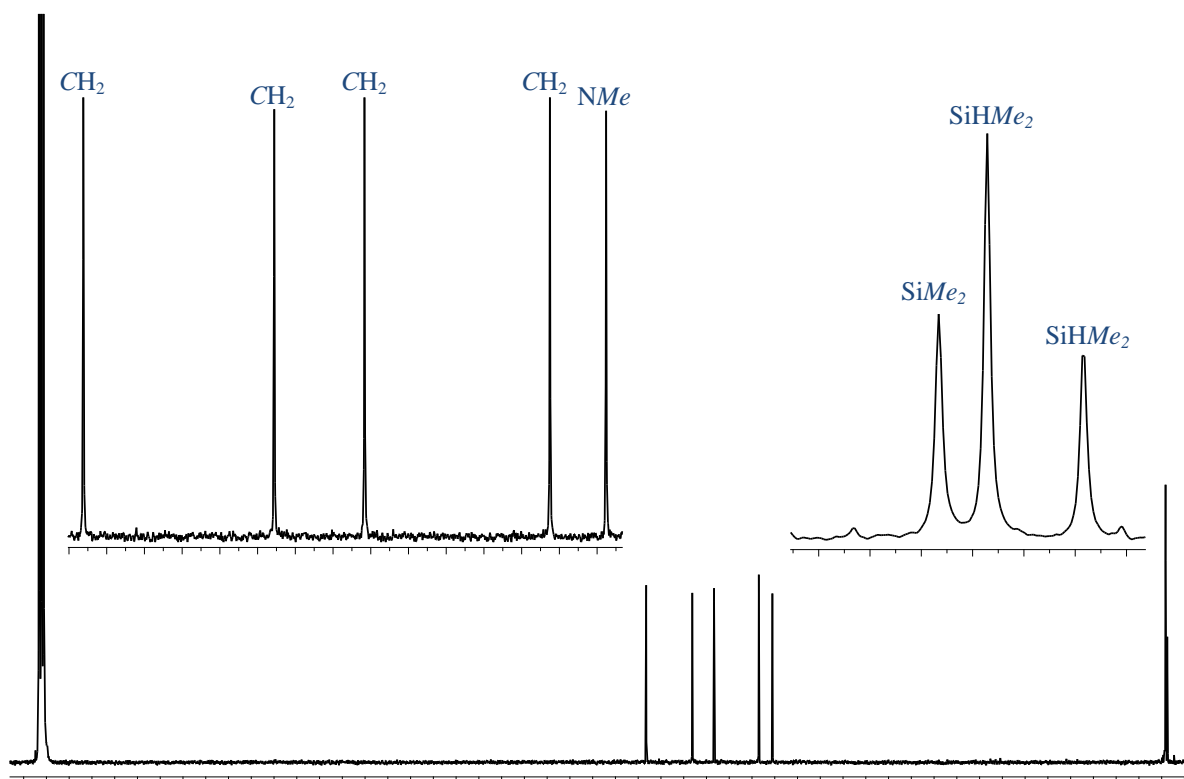


Fig. S3 $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound **2** (400 MHz, C_6D_6 , 25 °C)

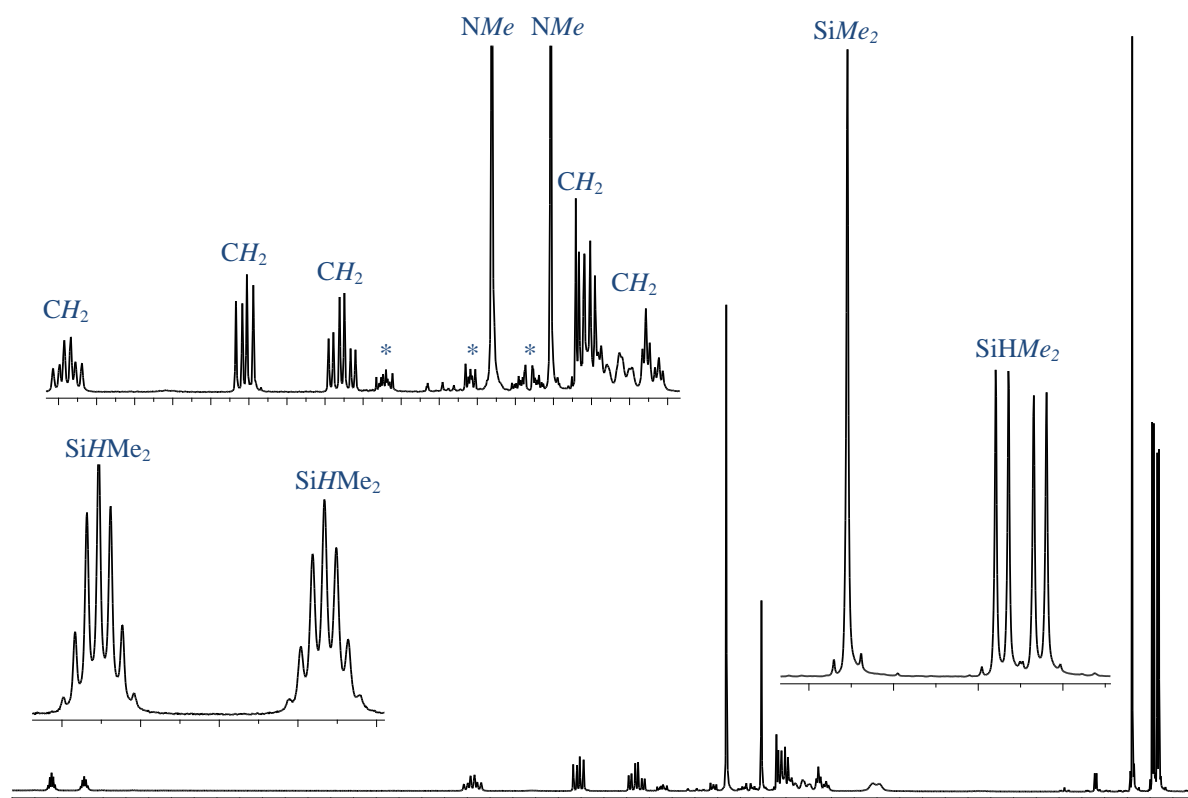


Fig. S4 ^1H NMR spectrum of compound 3 (400 MHz, C_6D_6 , 25 °C), * free Me_3TACDH

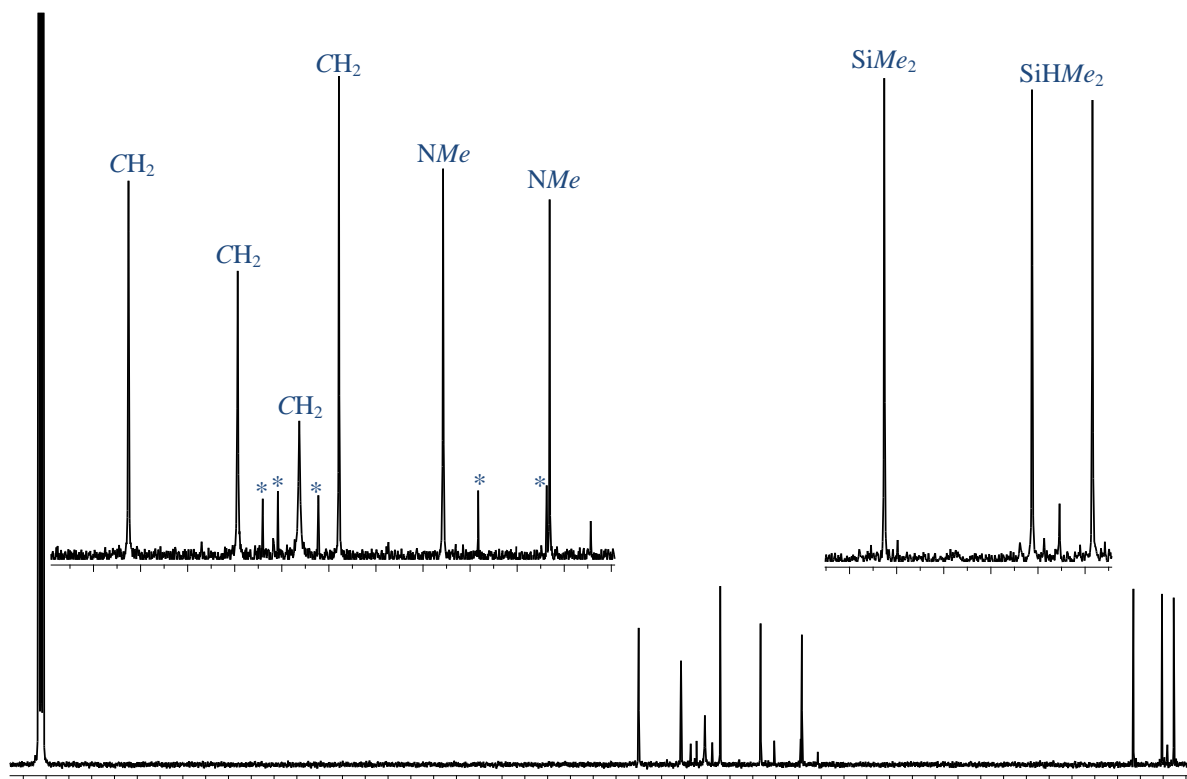


Fig. S5 $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound 3 (400 MHz, C_6D_6 , 25 °C), * free Me_3TACDH

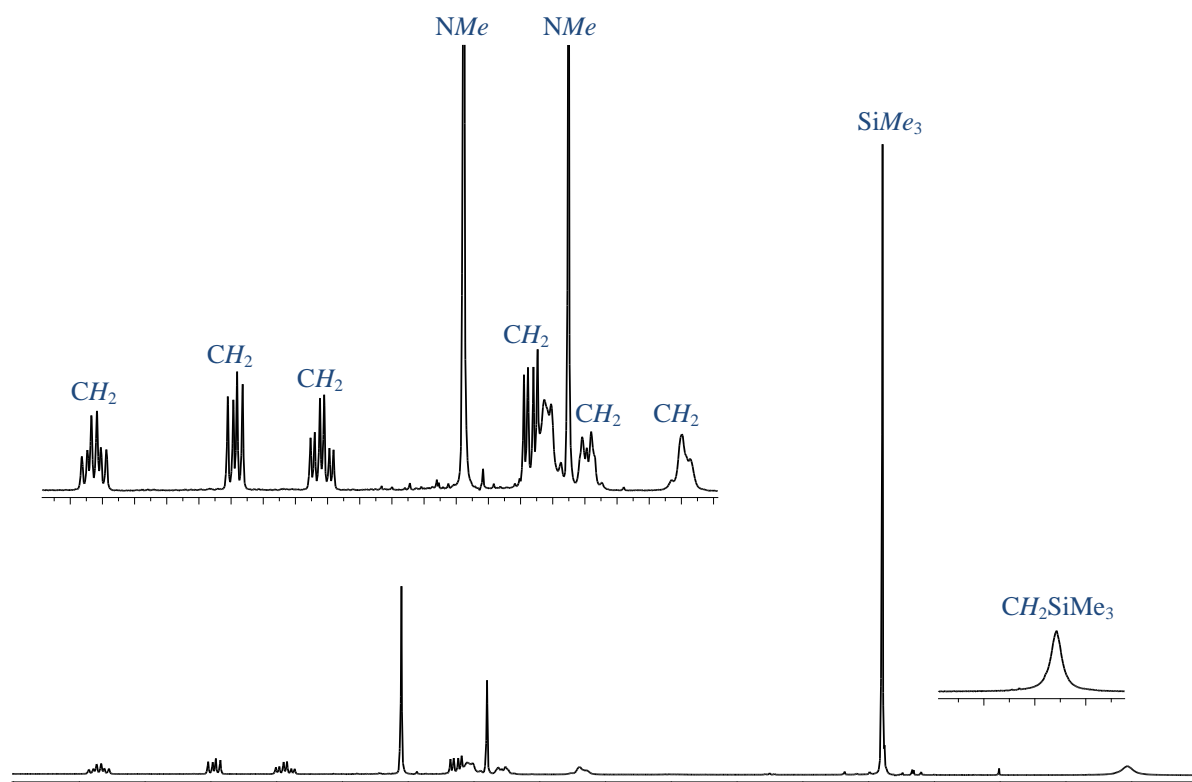


Fig. S6 ^1H NMR spectrum of compound **4** (400 MHz, C_6D_6 , 25 °C)

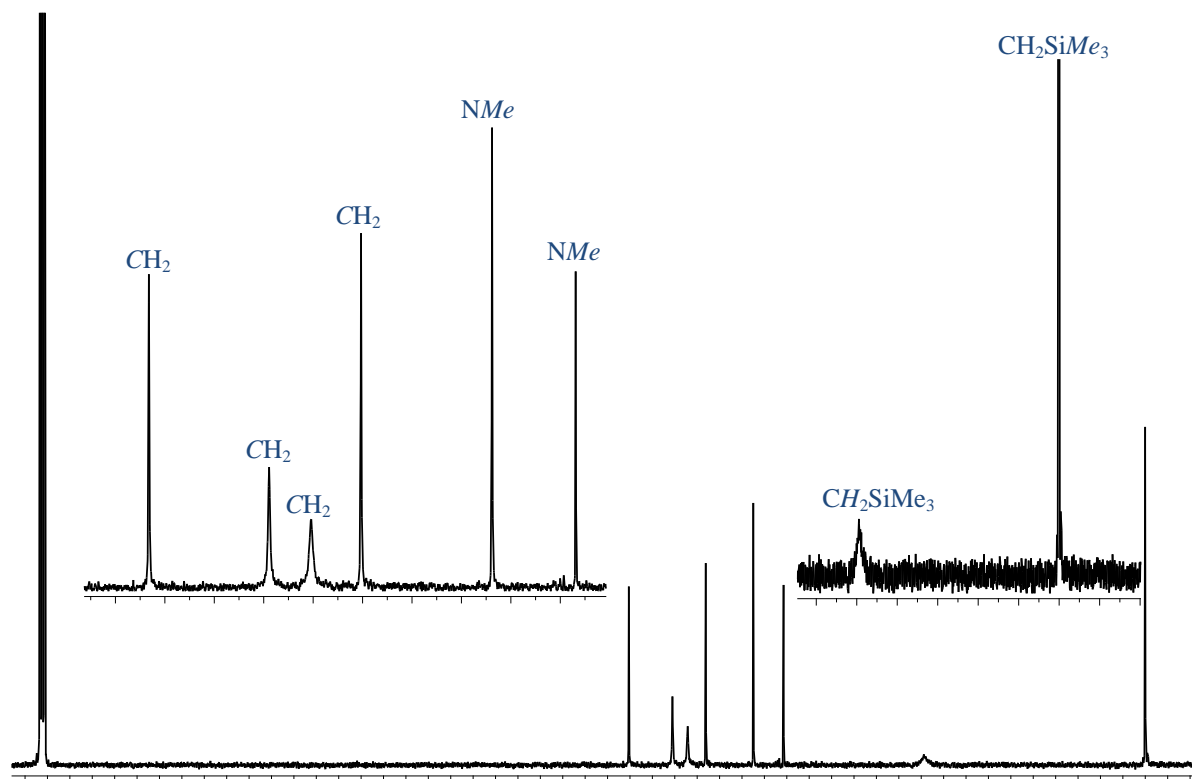


Fig. S7 $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound **4** (400 MHz, C_6D_6 , 25 °C)