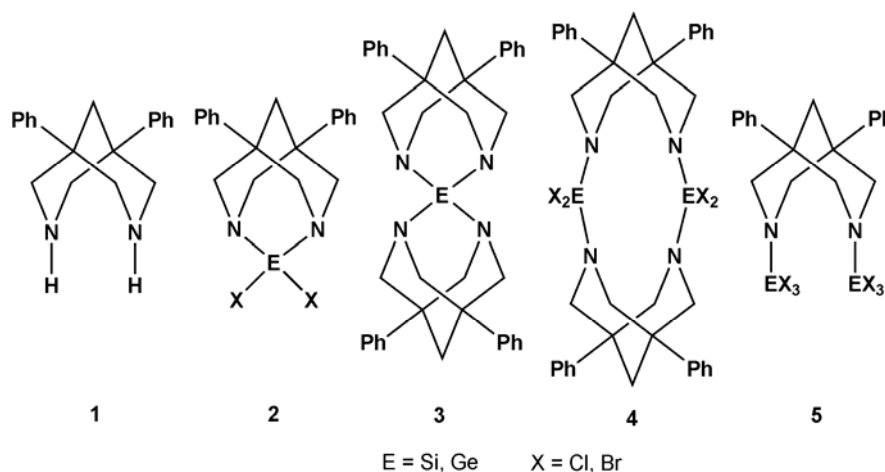


Reactions of Group 14 Halides with a Bispidine

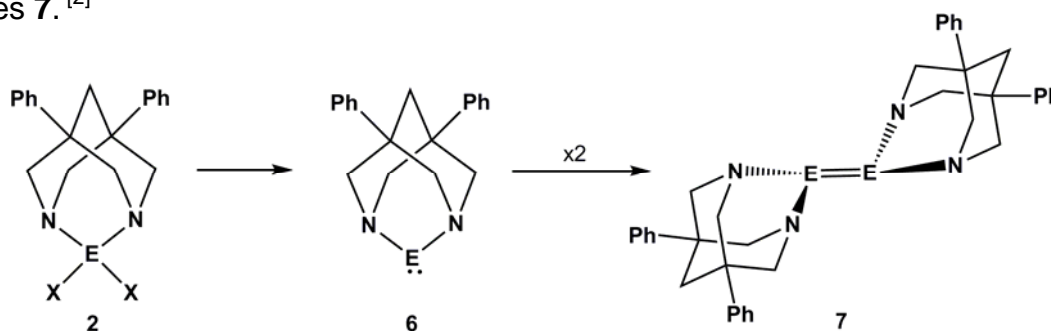
Dehnert, N., Oldenburg/D, Müller, T., Oldenburg/D

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We report here on the reactions between silicon and germanium halides and a bispidine **1** ^[1], a chelating bicyclic diamine. Our investigations revealed that depending on the temperature, the element halide used and the stoichiometry of the reaction we can isolate a variety of different products **2-5** in good yields and some with an unexpected structure such as the 12-membered heterocycle **4**.



In addition compounds **2** are of special interest as precursors for diaminosubstituted carbene analogues. Due to the conformation of the central atom relative to the nitrogen atoms in the heavy carbene **6** they should dimerize to tetraaminosubstituted heavy alkenes **7**. ^[2]



[1] Stetter, H.; Schäfer, J.; Dieminger, K.; *Chem. Ber.* **1958**, *91*, 598.

[2] Müller, T.; Apeloig, Y.; *J. Am. Chem. Soc.* **2002**, *124*, 3457.