Darstellung und Thermolyse *tert*-butylsubstituierter Silatetrazoline – Erzeugung der Silanimine $t\mathrm{Bu_2Si{=}N{-}SiX}t\mathrm{Bu_2}$ (X = F, Cl, Br, *t*Bu)

Synthesis and Thermolysis of the *tert*-Butyl-Substituted Silatetrazolines – Formation of the Silanimines $t\mathrm{Bu_2Si{=}N{-}SiX}t\mathrm{Bu_2}$ (X = F, Cl, Br, *t*Bu)

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The silanimine $t\mathrm{Bu_2Si{=}N{-}Si}t\mathrm{Bu_3}$ reacts with the silyl azides $t\mathrm{BuMe_2SiN_3}$ or $t\mathrm{Bu_2SiXN_3}$ (X = H, Me, F, Cl, Br) to form the corresponding *tert*-butyl-substituted 1-tri-*tert*-butylsilyl-4-tri-organosilyl-5,5-di-*tert*-butylsilatetrazolines. The silatetrazolines with chloro-di-*tert*-butylsilyl and bromo-di-*tert*-butylsilyl substituents can also be synthesized by treating two equivalents of $t\mathrm{Bu_2SiXN_3}$ (X = Cl, Br) with the silanide $t\mathrm{Bu_3SiNa}$. In the thermolysis of the silaterazolines the silanimines $t\mathrm{Bu_2Si{=}N{-}SiX}t\mathrm{Bu_2}$ (X = F, Cl, Br, *t*Bu) and silyl azides are formed in a first-order process. The silanimines $t\mathrm{Bu_2Si{=}N{-}SiX}t\mathrm{Bu_2}$ (X = F, Cl, Br, *t*Bu) have been trapped with acetone by en-reaction. The structure of (dimethyl-*tert*-butylsilyl)-substituted silatetrazoline has been determined by X-ray structure analysis.