

Propargyl Derivatives with Silicon Carbon and Tin Carbon Bonds

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1-Dimethylamino-propyn-2-ylsilanes **3a** [$\text{Me}_2\text{Si}(\text{C}\equiv\text{C}-\text{CH}_2\text{NMe}_2)_2$], **3b** [$\text{Me}(\text{H})\text{Si}(\text{C}\equiv\text{C}-\text{CH}_2\text{NMe}_2)_2$], **4a** [$\text{Me}_2(\text{Cl})\text{Si}-\text{C}\equiv\text{C}-\text{CH}_2\text{NMe}_2$], **4b** [$\text{Me}(\text{H})(\text{Cl})\text{Si}-\text{C}\equiv\text{C}-\text{CH}_2\text{NMe}_2$], and **5** [$\text{Me}_2\text{NCH}_2-\text{C}\equiv\text{C}-\text{SiMe}_2\text{SiMe}_2-\text{C}\equiv\text{C}-\text{CH}_2\text{NMe}_2$] were prepared. Similarly, the 1-(pyrazol-1-yl)-propin-2-ylsilanes **6** and **7** (analogous to **3a** and **5**, respectively) and the tin compounds **8** [$\text{Me}_3\text{Sn}-\text{C}\equiv\text{C}-\text{CH}_2\text{-pz}$] (pz = pyrazol-1-yl) and **9** [$\text{Me}_2\text{Sn}(\text{C}\equiv\text{C}-\text{CH}_2\text{-pz})_2$] were synthesized, using the reaction of $\text{Li}-\text{C}\equiv\text{C}-\text{CH}_2\text{-pz}$ (**2-Li**) with the respective chlorosilanes or tin chlorides. The compounds **3** to **9** were characterised in solution by a consistent set of ^1H , ^{13}C , ^{29}Si and ^{119}Sn NMR data.

Key words: Silicon, Tin, Alkynes, NMR Data