

1,1-Ethylboration of Alkyn-1-yl-(dichloro)silanes: Alkenes Bearing Dichlorosilyl and Diethylboryl Groups

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The 1,1-ethylboration of dichloro(hexyn-1-yl)silane, $\text{Cl}_2\text{Si}(\text{H})\text{-C}\equiv\text{C-Bu}$, affords selectively an alkene which is the first example with dialkylboryl and dichlorosilyl groups in *cis*-positions at the $\text{C}=\text{C}$ bond. The analogous reaction of dichloro(trimethylsilylethynyl)silane, $\text{Cl}_2(\text{H})\text{Si-C}\equiv\text{C-Si Me}_3$, leads to a 4:1 mixture of alkenes, in one of which the boryl and dichlorosilyl groups are in *trans*-positions. The alkenes were characterized by a consistent set of NMR data.

Key words: Alkynes, Alkenes, Boranes, Silanes,
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