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

Bernd Wrackmeyer\textsuperscript{a}, Khadija Shahid\textsuperscript{a,b},
and Saqib Ali\textsuperscript{b}

\textsuperscript{a} Anorganische Chemie II, Universität Bayreuth,
D-95440 Bayreuth, Germany
\textsuperscript{b} Department of Chemistry, Quaid-I-Azam University,
Islamabad, Pakistan

Reprint requests to Prof. Dr. B. Wrackmeyer.
E-mail: b.wrack@uni-bayreuth.de

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

\textit{Key words:} Alkynes, Alkenes, Boranes, Silanes,
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