1,1-Ethylboration of
Trimethyl(methoxypropargyl)- and
Chloro(dimethyl)methoxypropargyl-
silane. A Novel 1,2,5-Oxasilaborolane

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Triethylborane reacts with trimethyl(methoxypropargyl)-
silane via 1,1-ethylboration to give quantitatively a 90:10
mixture of (E)- and (Z)-3-diethylboryl-2-trimethylsilyl-pent-
2-yl-methyl ethers. In contrast, the reaction of triethylbo-
rane with chloro(dimethyl)methoxypropargylsilane affords
the novel 1,2,5-oxasilaborolane [2,2-dimethyl-5-ethyl-3-(1-
ethylpropyldienyl)-1-oxa-2-sila-5-boracyclopentane] by 1,1-
ethylboration, rearrangement and ether cleavage.

Key words: Organoboration, Methoxypropargylsilanes,
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