

“Radical-Initiated Addition of Trialkylsilanes Across Alkene C=C Bonds”

Nabil M. K. Eldurini and Richard A. Jackson

21/12/1981

Difficulties in carrying out the free-radical addition reaction of trialkylsilanes (as opposed to trichlorosilane) to alkene C=C bonds are partly due to telomerization competing with the radical transfer step. This can be overcome by the use of a large excess of trialkylsilane, when good yields of adduct are obtained from mono-substituted and disubstituted alkenes.