

## **Electrochemically induced silylation of unsaturated compounds**

Jouikov V., Grigorieva L.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### **Abstract**

Electroreduction of some alkylchlorosilanes in the presence of difficult to reduce unsaturated compounds (phenylacetylene, styrene, cyclohexene) results in silylated products where the multiple bond has either reduced multiplicity (hydrosilylation) or the same multiplicity (silylation) depending on the nature of the starting compounds and conditions of electrolysis.

[http://dx.doi.org/10.1016/0013-4686\(95\)00325-8](http://dx.doi.org/10.1016/0013-4686(95)00325-8)

---

### **Keywords**

Electrochemical reduction, Electrosynthesis, Silylation, Unsaturated compounds