**Immobilization of Organic Functional Groups onto Silica**

**Significance:** Functionalized vinylsilanes were prepared by hydroacylation of dimethyldivinylsilane with various aldehydes in the presence of [(PPh3)2RhCl]2, 2-amino-3-picoline, and 4-(trifluoromethyl)benzoic acid (63–92% yield, 11 examples). Immobilization of 3 onto silica by using [IrCl(coe)2]2 and DMA·HCl gave the corresponding functionalized silica compounds with 0.58–1.04 mmol/g of loading (11 examples).

**Comment:** The silica-immobilization method [IrCl(coe)2]2; DMA·HCl has been developed by the same authors. Surface modification of hydrophilic glass slides with vinylsilanes gave the significantly hydrophobic glass slides as estimated from contact angle measurements.

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**Synfacts 2010, 9, 1077-1077 Published online: 23.08.2010**

**DOI:** 10.1055/s-0030-1257987; **Reg-No.:** Y09210SF