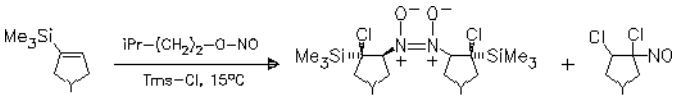
organo-silicon compounds

S 0060

25 - 152

Addition of NOCl to Cyclic Vinylsilanes: An Unexpected Reversal of Regiochemistry. — Cyclic vinylsilanes (I) react with NOCl to form syn-adducts as dimers (II) with a reversal of regioselectivity expected from the β-silicon effect. The secondary product (III) is produced on further reaction. — (MALLYA, M. NARENDRA; NAGENDRAPPA, GOPALPUR; PRASAD, J. SHASHIDHARA; SRIDHAR, M. A.; LOKANATH, N. K.; BEGUM, N. S.; Tetrahedron Lett. 42 (2001) 13, 2565-2568; Dep. Chem., Cent. Coll., Bangalore Univ., Bangalore 560 001, India; EN)



I II III

a Y: $-CH_2-$	52%	40%
b Y: $-(CH_2)_2-$	0%	85%
c Y: $-(CH_2)_4-$	75%	25%