

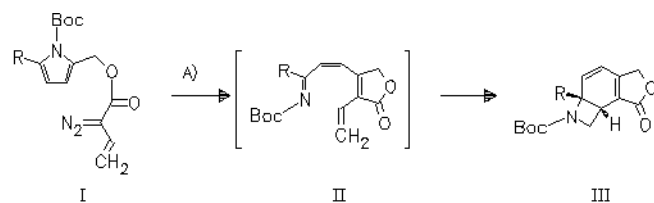
heterocyclic 4-membered rings

R 0055

48 - 132

**Rhodium(II) Catalyzed Intramolecular Reactions Between Vinyldiazomethanes and Pyrroles. Novel Synthesis of Fused 7-Azabicyclo(4.2.0)octadienes.**

— The Rh(II)-catalyzed decomposition of the diazoketones (I) and (IV) results in clean formation of the bicyclic title compounds whereas decomposition of the higher homologue (VII) gives substantial amounts of the tropane by-products (X)/(XI). — (DAVIES, H. M. L.; MATASI, J. J.; *Tetrahedron Lett.* 35 (1994) 29, 5209-5212; Dep. Chem., Wake Forest Univ., Winston-Salem, NC 27109, USA; EN)

A):  $\text{Rh}_2(\text{OOC}-(\text{CH}_2)_6-\text{Me})_4$  (cat.), benzene, reflux

a R: -H 49%  
b R: -Me 34%

