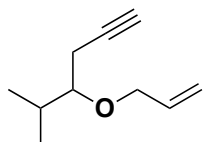
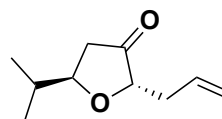


セミナー問題 (2014/6/28)

出題者: 吉村



- (1) $t\text{BuLi}$, THF, $-78\text{ }^\circ\text{C}$ then TsN_3 , 81%
(2) $\text{Rh}_2(\text{OAc})_4$ (5 mol%), PhMe, reflux
(3) wet basic alumina, PhMe, rt
83% (2 steps), dr >20:1
(3) is a hydrolysis step



A. Boyer, *Org. Lett.*, **2014**, *1*, 1660.