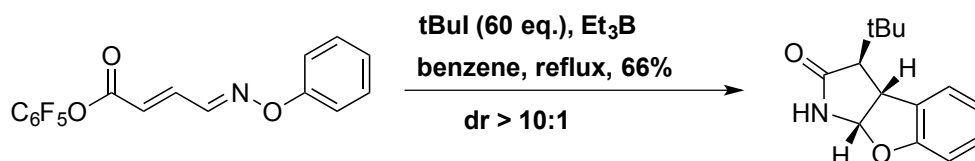


セミナー問題 (2014/5/31)

出題者: 西丸

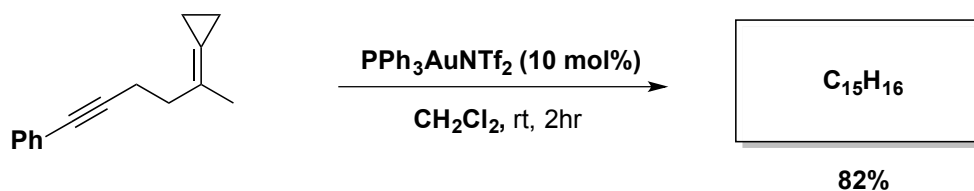


3.5 equiv of  $\text{Na}_2\text{S}_2\text{O}_3$  improved the chemical yield to 98%

Hint. tBul was an tBu radical source.

Miyata Okiko et al. *Chem. Eur. J.* **2014**, *20*, 6763.

出題者: 吉村



H NMR (600 MHz,  $\text{CD}_2\text{Cl}_2$ ): 7.36 (t,  $J = 7.6$  Hz, 2H), 7.31 (d,  $J = 7.9$  Hz, 2H), 7.24 (d,  $J = 7.6$  Hz, 1H), 6.32 (dd,  $J = 9.7, 2.8$  Hz, 1H), 5.90 (ddd,  $J = 9.0, 6.3, 2.1$  Hz, 1H), 3.36 (dt,  $J = 17.2, 9.2$  Hz, 1H), 2.85 (ddd,  $J = 15.9, 8.3, 2.5$  Hz, 1H), 2.36 (d,  $J = 16.6$  Hz, 1H), 2.09 (dd,  $J = 16.7, 6.4$  Hz, 1H), 2.02 (td,  $J = 9.8, 2.8$  Hz, 1H), 1.92 (q,  $J = 8.9$  Hz, 1H), 1.30 ppm (s, 3H).  
 C NMR (150 MHz,  $\text{CD}_2\text{Cl}_2$ ): 143.2, 137.8, 128.2, 126.2, 126.1, 125.8, 125.0, 123.7, 40.4, 35.4, 34.4, 30.8, 20.3 ppm.

M. R. Gagne et al. *Org. Lett.*, **2014**, *16*, 2272.