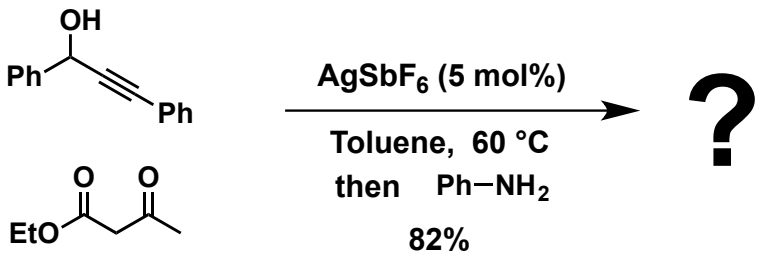
セミナー問題 (201411/15)



1H NMR (400 MHz, $CDCl_3$): 7.72-7.39 (m, 8H), 7.00 (t, J=3.6 Hz, 3H), 6.91 (d, J=7.2 Hz, 2H), 6.95-6.64 (m, 2H), 4.09 (q, J.7.2 Hz, 2H), 3.68 (s, 2H), 2.27 (s, 3H), 1.01 (t, J=7.2 Hz, 3H) ppm;
13C NMR (100 MHz, $CDCl_3$): 166.0, 139.7, 137.5, 136.6, 136.4, 130.5, 129.5, 129.0, 128.6, 128.5, 128.1, 127.9, 127.6, 126.2, 125.7, 124.2, 111.2, 59.2, 30.8, 14.0,12.6 ppm;
HRMS (ESI^+) m/z: $[M+H]^+$ calcd for $C_{27}H_{26}NO_2$ 396.1964; found 396.1968.

Tetrahedron 2014, 70, 5267 -5273.
Guangrong Zheng et al.