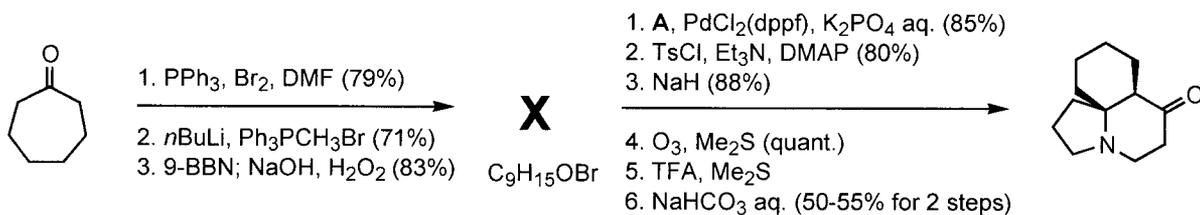
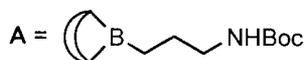


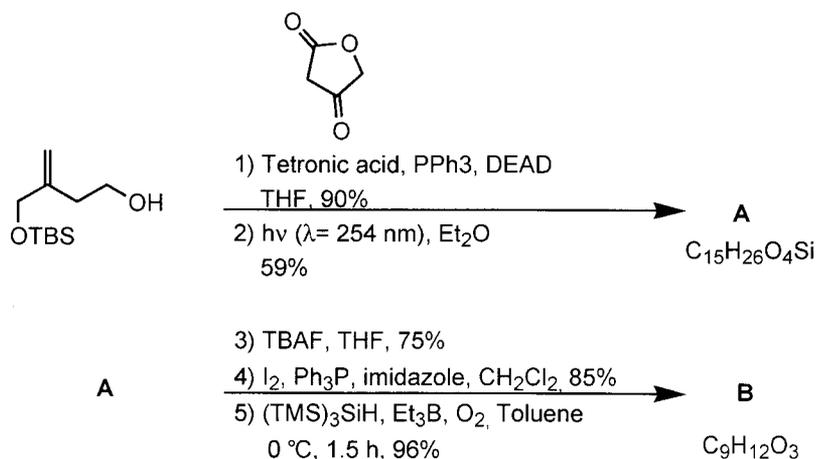
3/23



9-BBN = 9-borabicyclo[3.3.1]nonane
 dppf = 1,1'-bis(diphenylphosphino)ferrocene



D. Tanner *et al.* *Chem. Commun.* **2009**, 1888



J. P. Hehn, T. Bach, *et al.*

Synlett **2009**, 8,
1281

¹H NMR (250 MHz, CDCl₃): δ = 2.32–2.54 (m, 3 H), 2.66–2.77 (m, 2 H), 3.33 (ddd, 1 H, *J* = 11.9, 11.8, 3.6 Hz), 4.15 (ddd, 1 H, *J* = 12.1, 5.7, 2.3 Hz), 4.26 (dd, 1 H, *J* = 10.1, 1.8 Hz), 4.36 (ddd, 1 H, *J* = 6.4, 6.1, 1.9 Hz), 4.44 (dd, 1 H, *J* = 10.1, 5.9 Hz), 4.89 (br s, 1 H), 4.97 (br s, 1 H). ¹³C NMR (62.9 MHz, CDCl₃): δ = 33.7 (t), 40.5 (t), 44.7 (d), 72.2 (t), 72.7 (t), 80.1 (d), 114.5 (t), 144.4 (s), 177.2 (s). HRMS (EI): *m/z* [M⁺] calcd for C₉H₁₂O₃: 168.0786; found: 168.0786.