

## ERRATA (Vol. 7, No. 1, 51-65, 1996)

Due to problems in the desktop publishing, the article "The Total Synthesis of ( $\pm$ )-Pentalenolactone E Methyl Ester Using a Stepwise [3+2] Process", by Marino *et al.*, was printed without the captions for some schemes. These captions are:

**Scheme 5.** <sup>a</sup>Et<sub>3</sub>SiH, RhCl(Ph<sub>3</sub>P)<sub>3</sub>, PhH; <sup>b</sup>(2.5 equiv) N<sub>2</sub>CHCO<sub>2</sub>-t-Bu, CuSO<sub>4</sub>, PhH; <sup>c</sup>Et<sub>3</sub>NHF, THF, 25 °C; <sup>d</sup>Me<sub>3</sub>SiCl, Et<sub>3</sub>N, DMF, 135 °C; <sup>e</sup>(4 equiv) N<sub>2</sub>CHCO<sub>2</sub>Et, CuSO<sub>4</sub>, PhH; <sup>f</sup>(2 equiv) **13**, (5 equiv) KF, 18-crown-6, CH<sub>3</sub>CN, 82 °C; <sup>g</sup>DIBAL-H, CH<sub>2</sub>Cl<sub>2</sub>, Tol-H, -78 °C; <sup>h</sup>NaOH/H<sub>2</sub>O, MeOH, THF, 60 °C; <sup>i</sup>ClCO<sub>2</sub>Et, Et<sub>3</sub>N, THF, NaBH<sub>4</sub>, THF/H<sub>2</sub>O, r.t.; <sup>j</sup>TFA, CHCl<sub>3</sub>; <sup>k</sup>C<sub>4</sub>H<sub>9</sub>N, p-TSA, PhH, 80 °C; <sup>l</sup>(10 equiv) ClCO<sub>2</sub>Me, PhH, 80 °C; <sup>m</sup>(3 equiv) NaCNBH<sub>3</sub>, MeOH, HCl, r.t., (1.1 equiv) MCPBA, CH<sub>2</sub>Cl<sub>2</sub>, K<sub>2</sub>CO<sub>3</sub>, THF, r.t.; <sup>n</sup>MMC, DMF, 150 °C, 3h; HCl, then NaOAc, HOAc, formalin, Et<sub>2</sub>NH, 100 °C, 5min.

**Scheme 6.** <sup>a</sup>p-cymene, PTSA, reflux, 48h; <sup>b</sup>CuCl<sub>2</sub>/DMF/PdCl<sub>2</sub>/H<sub>2</sub>O/O<sub>2</sub>, r.t., 36h; <sup>c</sup>5% aqueous KOH, diethylether/THF, reflux 48h.

**Scheme 7.** <sup>a</sup>LDA or NaH or t-BuOK followed by ClCO<sub>2</sub>Me or (MeO)<sub>2</sub>CO; <sup>b</sup>MMC; <sup>c</sup>MeOH/HCl or CH<sub>2</sub>N<sub>2</sub>; <sup>d</sup>NaBH<sub>4</sub> followed by CH<sub>2</sub>N<sub>2</sub>; <sup>e</sup>H<sub>2</sub>/Pd; <sup>f</sup>H<sub>3</sub>O<sup>+</sup>

**Scheme 8.** <sup>a</sup>morpholine, H<sup>+</sup>; <sup>b</sup>ClCO<sub>2</sub>Et and hydrolysis; <sup>c</sup>pyrrolidine, H<sup>+</sup>; <sup>d</sup>ClCO<sub>2</sub>Me (excess); <sup>e</sup>NaBH<sub>3</sub>CN; <sup>f</sup>followed by oxidation with MCPBA and elimination with K<sub>2</sub>CO<sub>3</sub>.