

Supplementary Material

The enantiomeric purity of (*R*)-**1b** was determined by chiral GC analysis after acetylation. GC: CP-Chirasil-DEX CB (Varian, USA, ϕ 0.25 mm \times 25 m), Inj. and Det. 280°C, Col. 110°C for 2 min, 2°C min⁻¹ to 126°C for 2 min, 5°C min⁻¹ to 160°C, (*R*) 13.03 min, (*S*) 13.44 min.

The optical rotation of (*R*)-**1b** was $[\alpha]_{\text{D}}^{25}$: +22.3 (*c* 5.0, CHCl₃), 99.6% ee, (*R*) {lit.¹ $[\alpha]_{\text{D}}^{25}$: +20.1 (*c* 8.24, CHCl₃), 96% ee, (*R*)}.

The product, (*R*)-**1b**, gave the following NMR, MS and IR data:

¹H NMR (500 MHz, CDCl₃): δ 1.29 (t, 3H, *J*=7.1 Hz), 2.59–2.67 (m, 2H), 3.20 (br s, 1H), 3.59–3.64 (m, 2H), 4.19 (q, 2H, *J*=7.1 Hz), 4.24–4.29 (m, 1H).

¹³C NMR (100 MHz, CDCl₃): δ 14.1, 38.6, 48.2, 60.5, 67.9, 171.8.

MS (*m/z*): M⁺ 167, 123, 121, 117, 89, 85, 79, 71, 60, 43.

IR (KBr): 3452.5, 2983.5, 2909.1, 1729.5, 1375.6, 1306.4, 1259.6, 1189.4, 1093.1, 1032.7 cm⁻¹.

