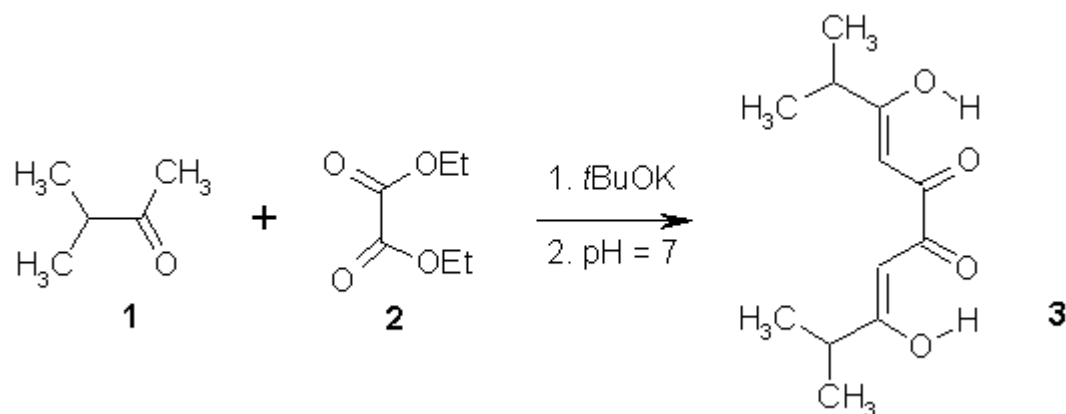


3,8-Dihydroxy-2,9-dimethyl Deca-3,7-diene-5,6-dione**Ibrahim Bouabdallah, Ismail Zidane, Fouad Malek, Rachid Touzani, Mohamed El Kodadi and Abdelkrim Ramdani***

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The product **3** was prepared according to a reported procedure [1,2]. A suspension of potassium *tert*-butoxide (2.93 g, 0.02 mol) was stirred in dry diethyl ether (45 mL) at 0°C. A mixture of 3-methyl-2-butanone **1** (1.72 g, 0.02 mol) and diethyloxalate (1.46 g, 0.01 mol) was added dropwise over 10 min. and the mixture was stirred for one day (25°C). The salt was precipitated and collected by filtration, dissolved in water (50 mL) and neutralized with glacial acetic acid to gives the product **3** as a yellow solid (1.21 g, 54%).

Melting point: 33-35°C.

IR. (KBr, cm⁻¹): 2980(CH₃), 1560(C=O), 1080(C-O), 820(C-H).HRMS (C₁₂H₁₈O₄): calc'd 226.1205; found 226.1217.

¹H-NMR (200 MHz, CDCl₃, d, ppm): 6.43 (s, 2H, =C-H); 2.72 (m, 2H, C-H); 1.24 (d, 12H, CH₃, J=5.2 Hz).

¹³C-NMR (50.4 MHz, CDCl₃, d, ppm): 208.1; 171.5; 97.8; 39.7; 19.1.

References and Notes

1. Touzani, R.; Benhadda, T.; Elkadiri, S.; Ramdani, A.; Maury, O.; Lebozec, H.; Toupet, L.; Dixneuf, P. H. *New. J. Chem.* **2001**, 25, 391.
2. Finar, I. L. *J. Chem. Soc.* **1958**, 4094.

Sample availability: available from the authors.

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