

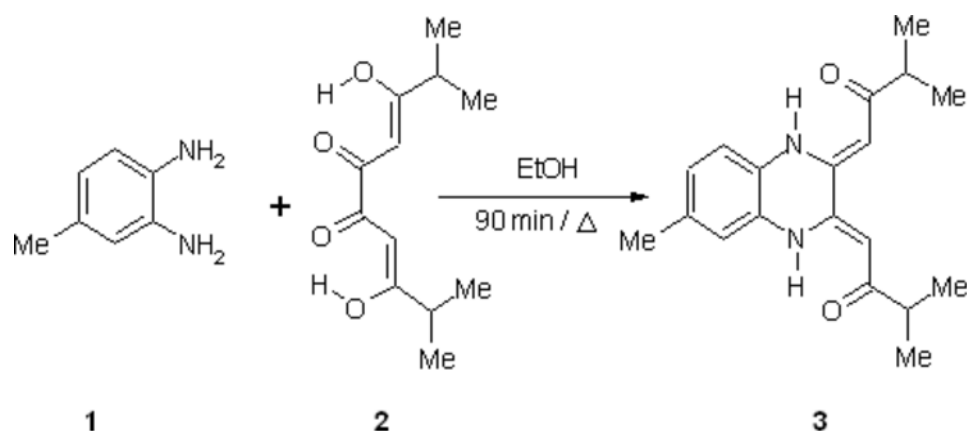
3-methyl-1-[3-(3-methyl-2-oxobutylidene)-1,4-dihydro-6-methyl-quinoxalin-2-ylidene]butan-2-one.

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Received: 13 November 2003 / Accepted: 24 February 2004 / Published: 29 March 2004



To a solution of 3,8-dihydroxy-2,9-dimethyl deca-3,7-diene-5,6-dione **2** [1] (452 g, 2 mmol) in absolute ethanol (15 mL) was added the 4-methylorthophenylenediamine **1** (244 mg, 2 mmol) and the mixture was refluxed for 90 min [2]. The orange precipitate **3** was filtered off, washed with ethanol and dried in air.

Yield: (400 mg, 64 %).

Melting point: 98 - 99 °C (EtOH).

IR (KBr, cm^{-1}): 2960 (CH of CH_3); 1560 (C=O).

$^1\text{H-NMR}$ (200 MHz, CDCl_3) δ ppm: 14.66 (s, 2H, N-H); 14.46 (s, 2H, N-H); 6.89 (m, 3H, CH Benz); 5.71 (s, 1H, =CH); 5.69 (s, 1H, =CH); 2.68 (m, 2H, C-H, $J = 6.9$ Hz); 2.32 (s, 3H, CH_3); 1.9 (d, 12H, CH_3 , $J = 6.9$ Hz).

E. A: Anal. Calc. for $\text{C}_{19}\text{H}_{24}\text{N}_2\text{O}_2$: C 73.05, H 7.74, N 8.97; found : C 73.18, H 7.77, N 8.76.

References and notes:

1. Bouabdallah, I.; Zidane, I.; Malek, F.; Touzani, R.; El Kodadi, M. and Ramdani, A. *Molbank*, **2003**, M 345.
2. Touzani, R.; Ben-hadda, T.; El Kadiri, S.; Ramdani, A.; Maury, O.; Le Bozec, H.; Toupet, L. and Dixneuf, P.H. *New J. Chem.*, **2001**, 25, 391-395.

Sample Availability : Available from the Authors.

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