

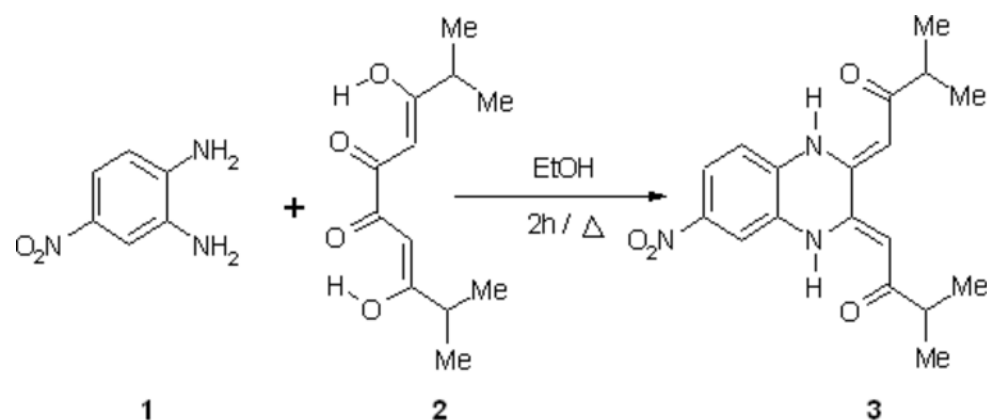
3-methyl-1-[3-(3-methyl-2-oxobutylidene)-1,4-dihydro-6-nitro-quinoxalin-2-ylidene]butan-2-one.

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To a solution of 3,8-dihydroxy-2,9-dimethyl deca-3,7-diene-5,6-dione **2** [1] (1.278 g, 5.6 mmol) in absolute ethanol (20 mL) was added the 4-nitro-orthophenylenediamine **1** (0.865 g, 5.6 mmol) and the mixture was refluxed for 2 hours [2]. The yellow precipitate **3** was filtered off, washed with ethanol and dried in air.

Yield: (780 mg, 41 %).

Melting point: 150-152 °C (EtOH).

IR (KBr, cm⁻¹): 2920 (CH of CH₃) ; 1610 (C=O).

¹H-NMR (200 MHz, CDCl₃, d, ppm): 14.26 (s, 2H, N-H); 14.21 (s, 2H, N-H); 7.95 (d, 1H, C-H Benz, J = 8.4 Hz); 7.91 (s, 1H, C-H Benz); 7.05 (d, 1H, C-H Benz, J = 8.4 Hz); 5.86 (s, 1H, =CH); 5.82 (s, 1H, =CH); 2.72 (m, 2H, CH(CH₃)₂, J = 6.9 Hz); 1.21 (d, 12 H, CH₃, J = 6.9 Hz).

HR/MS (C₁₈H₂₁N₃O₄): calc 343.1541; found 343.1532.

References and notes:

1. Bouabdallah, I.; Zidane, I.; Malek, F.; Touzani, R.; El Kodadi, M. and Ramdani, A.

Molbank, **2003**, M 345.

2. Waring, M.; Ben-hadda, T.; Kotchevar, A.; Ramdani, A.; Touzani, R.; El Kadiri, S.; Hakkou, A.; Bouakka, M. and Ellis, T. *Molecules*, **2002**, 7, 641-656.

Sample Availability : Available from the Authors.

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