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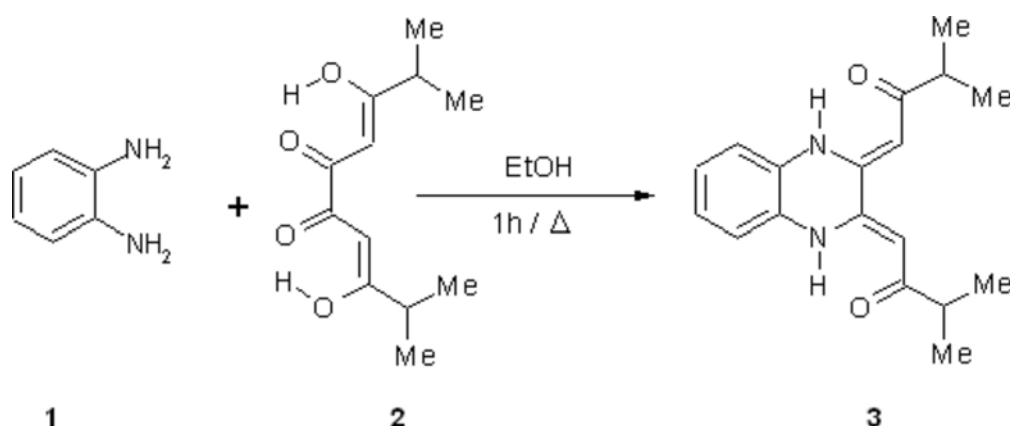
<http://www.mdpi.net/molbank/>**3-methyl-1-[3-(3-methyl-2-oxobutylidene)-1,4-dihydro-quinoxalin-2-ylidene]butan-2-one**

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To a solution of 3,8-dihydroxy-2,9-dimethyl deca-3,7-diene-5,6-dione **2** [1] (270 mg, 1.2 mmol) in absolute ethanol (20 mL) was added the orthophenylenediamine **1** (129 mg, 1.2 mmol) and the mixture was refluxed for one hour [2]. The yellow precipitate **3** was filtered off, washed with ethanol and dried in air.

Yield: (170 mg, 50 %).

Melting point: 70-71°C (EtOH).

IR (KBr,  $\text{cm}^{-1}$ ): 2900 (CH of  $\text{CH}_3$ ), 1620 ( $\text{C}=\text{O}$ ).

$^1\text{H-NMR}$  (200 MHz,  $\text{CDCl}_3$ , d, ppm): 14.81 (s, 2H, N-H); 7.05 (m, 4H, C-H benz); 5.72 (s, 2H, =CH); 2.69 (m, 2H, C-H,  $J = 6.9$  Hz); 1.19 (d, 12H,  $\text{CH}_3$ ,  $J = 6.9$  Hz).

$^{13}\text{C-NMR}$  (200 MHz,  $\text{CDCl}_3$ , d, ppm): 204.50 ( $\text{C}=\text{O}$ ); 145.56 ( $\text{C}_3$ ); 126.17 ( $\text{C}_6$ ); 124.77 ( $\text{C}_{4a}$ ); 116.55 ( $\text{C}_5$ ); 89.01 (=C-H); 40.79 (C-H); 20.07 ( $\text{CH}_3$ ).

HR/MS ( $\text{C}_{18}\text{H}_{22}\text{N}_2\text{O}_2$ ): calc 298.1681; found 298,1700.

**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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