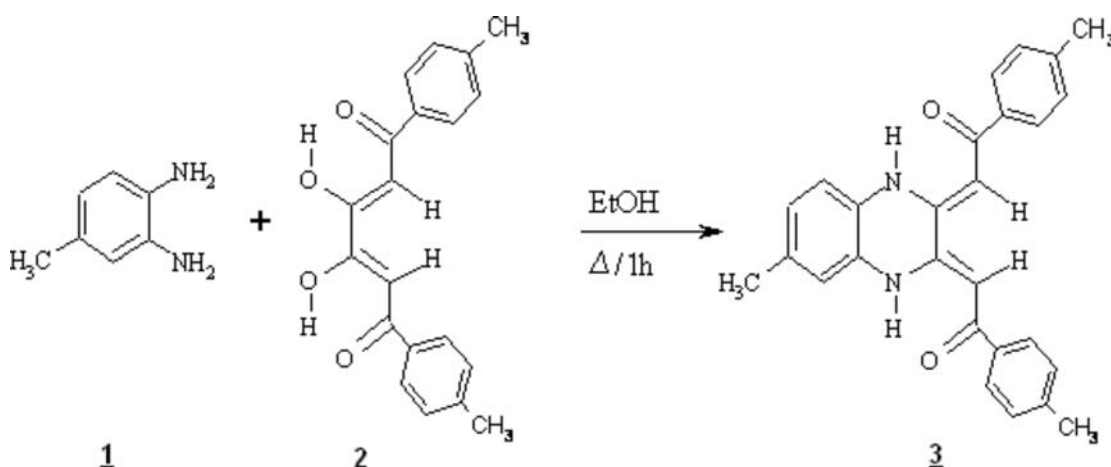


2-[6-methyl-3-(2-(4-methylphenyl)-2-oxoethylidene)-1,4-dihydro- quinoxaline-2(1H)-ylidene]-1-(4-methylphenyl) ethanone

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The product **3** was prepared by the condensation of dienone **2** [1] (1g, 3.1 mmol) with 3,4-diaminotoluene **1** (0.38 g, 3.1 mmol) by refluxing an ethanol (50 mL) solution for 1 h. under nitrogen [2, 3]. The solid that formed, was purified by chromatography on silica gel (CH₂Cl₂). The colour of the compound: red-brown; yield : (0.9 g, 71%).

Melting point = 180-182°C (CH₂Cl₂).

IR (KBr, cm⁻¹) : 2950 (CH₃) ; 1600 (C=O) ; 1480 (C=C).

¹H-NMR (200 MHz, CDCl₃) d : 7.89 (d, 4H, J=8.04 Hz, CH Benz) ; 7.3 (d, 4H, J=8.04 Hz, CH Benz) ; 7.05 (m, 3H, -CH Benz) ; 6.49 (s, 1H, -CHCO) ; 6.47 (s, 1H, -CHCO) ; 2.43 (s, 6H, 2CH₃) ; 2.37 (s, 3H, CH₃).

E. A : Anal. Calc d for C₂₇H₂₄N₂O₂, C : 79.39 ,H : 5.92, N : 6.86
Found , C : 79.45, H : 6.07, N : 6.59.

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Sample Availability: Available from the Authors.

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