

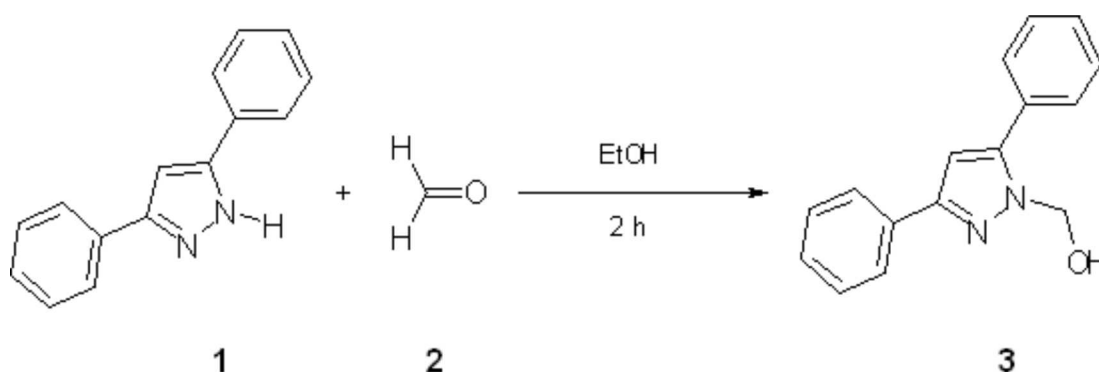
1-Hydroxymethyl-3,5-diphenylpyrazole**Ibrahim Bouabdallah, Abdelkrim Ramdani*, Ismail Zidane and Rachid Touzani**

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Received: 20 May 2004 / Accepted: 9 July 2004 / Published: 1 August 2005

Keywords: pyrazol, formaldehyde

To a solution of 3,5-diphenylpyrazole **1** [1] (200 mg, 0.90 mmol) in ethanol (10 mL) was added formaldehyde **2** (110 mg, 1.28 mmol, 35 %) and the mixture was refluxed for two hours [2, 3]. The reaction was continued at room temperature for 12 h. The mixture was concentrated at reduced pressure. The residue was purified by recrystallization to afford the product **3** as a white solid.

Yield: 160 mg, 71 %.

Melting point: 122-123°C (CH₃CH₂OH).

IR (KBr, cm⁻¹): 3120 (ν_{O-H}); 1530 (ν_{C=C}); 1440, 1423, 1380, 1360, 1260 (δ_{O-H}); 1180, 1150, 1131, 1030, 1010, 927, 905, 760, 690.

¹H-NMR (200 MHz, CDCl₃): δ= 7.89 (m, 2 H, CH ph : o-H); 7.74 (m, 2 H, CH ph : o-H); 7.55 (m, 3 H, CH ph : m-H, p-H); 7.49 (m, 3 H, CH ph : m-H, p-H); 6.75 (s, 1H, CH pz); 5.70 (s, 2 H, CH₂).

MS (EI, 70eV; m/z): 250; 220; 191; 165; 143; 126; 110; 89; 77; 63; 51; 40.

References and Notes:

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Sample Availability: Available from MDPI.

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