

Molecules **1999**, *4*, M116

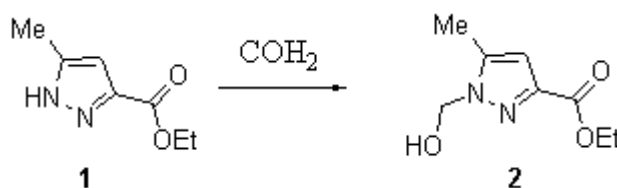
1-Hydroxymethyl-3-ethoxy-5-methylpyrazole

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Received: 18 September 1999 / Accepted: 4 October 1999 / Published: 23 November 1999



The product **2** was prepared by the addition of formalin (CH_2O) to **1** [1] according to the reported procedure [2]. The diazole **1** (6.16g, 0.04mol) was dissolved in ethanol (20ml) and formalin (5ml, 40%) was added and the mixture was heated to reflux for 1 h. The reaction was continued at room temperature for 12 h and the mixture was concentrated under reduced pressure. The unreacted formalin was removed by extraction in a ether/water mixture. The organic solution was concentrated in vacuum and the crude product was recrystallized from ether to yield **2** as a white solid (5.52g, 75%).

M.p. 70-72 °C.

IR (KBr, cm^{-1}): 3274, 1722, 1600, 1550, 1448, 1330, 1236, 1029, 780, 760, 750.

^1H NMR (CDCl_3): 6.50 (s, 1H, CH); 5.52 (s, 2H, CH_2OH); 4.35-4.25 (q, 2H, CH_2CH_3); 2.35 (s, 3H, CH_3); 1.35-1.27 (t, 3H, CH_2CH_3).

MS (m/z): 185; 168; 155; 140; 127; 110; 82; 53.

Acknowledgement: We gratefully acknowledge Abdelkrim Ramdani for his generous support.

References

1. Jones, R. G.; Hanret, M. J.; Lauglin, K. M. *J. Org. Chem.* **1954**, *19*, 1428.
2. Elguero, J. *Heterocycles* **1986**, *24*, 2233.

Sample availability: available from the authors and MDPI.

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