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We have found that 2,4-diphenyl-2,3-dihydro-1H-1,5-benzodiazepine rather than a benz-imidazole derivative is formed when alcohol solutions of equimolar amounts of chalcone and o-phenylenediamine are refluxed for 7 h in the presence of triethylamine. The yield of product with mp 129-129.5°C (from methanol) was 75%. IR spectrum (KBr): 3359 (N-H) and  $1606 \text{ cm}^{-1}$  (C=N). UV spectrum (in octane),  $\lambda_{\text{max}}$  ( $\epsilon$ ): 370 nm (5310). PMR spectrum (CDCl<sub>3</sub>): 3.03 (2H, octet, CH<sub>2</sub>), 3.68 (1H, s, N-H), and 5.05 ppm (1H, q, CH). The N-acetyl derivative had mp 171°C (from methanol). The results of elementary analysis were in agreement with the calculated values.

$$\begin{array}{c|c} & C_6H_5CH=CHCOC_5H_5 & \\ & & & \\ NH_2 & & & \\ & & & \\ N-CH & \\ & & \\ & & \\ N-CH & \\ & & \\ C_8H_5 & \\ \end{array}$$

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