

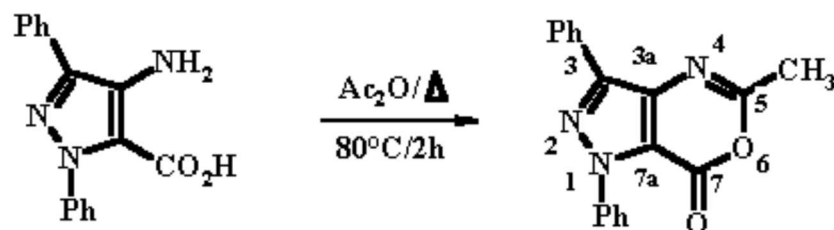
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5-Methyl-1,3-diphenylpyrazolo[4,3-d]oxazin-7-one

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In a similar manner to the reported procedure [1,2], b-pyrazolic amino acid [3] (2 mmoles) was dissolved in acetic anhydride. The mixture was heated at 80°C with stirring. The reaction was complete after 2 hours. After cooling, the solvent was evaporated. The oily residue was dissolved in ether and kept at 0°C. A white solid precipitate formed, which was collected by filtration and washed several times with ether. Yield: 85%.

Melting point = 152-153 °C.

MS: m/z = 304 (M+1).

IR (KBr, cm^{-1}): 1758 (C=O), 1614 (C=N), 1580 (C=N).

^1H NMR (250 MHz, CDCl_3): 2.53 (s, 3H, -CH₃), 7.39-7.56 (m, 6H, Ar-H), 8.01 (d, 2H, Ar-H, J = 8.45Hz), 8.34 (d, 2H, Ar-H, J = 8.1 Hz).

^{13}C NMR (62.5 MHz, CDCl_3): 21.64 (CH₃) ; 97.63 (C_{3a}) ; 122.73 (2C) ; 127.9 ; 128.21(2C) ; 128.57(2C) ; 129.17(2C) ; 129.68 ; 130.62 ; 137.77 ; 150.02(C_{7a}) ; 151.5(C₃) ; 155.44(C₅) ; 166.53(C₇).

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Sample Availability: Available from the authors and from MDPI.

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