

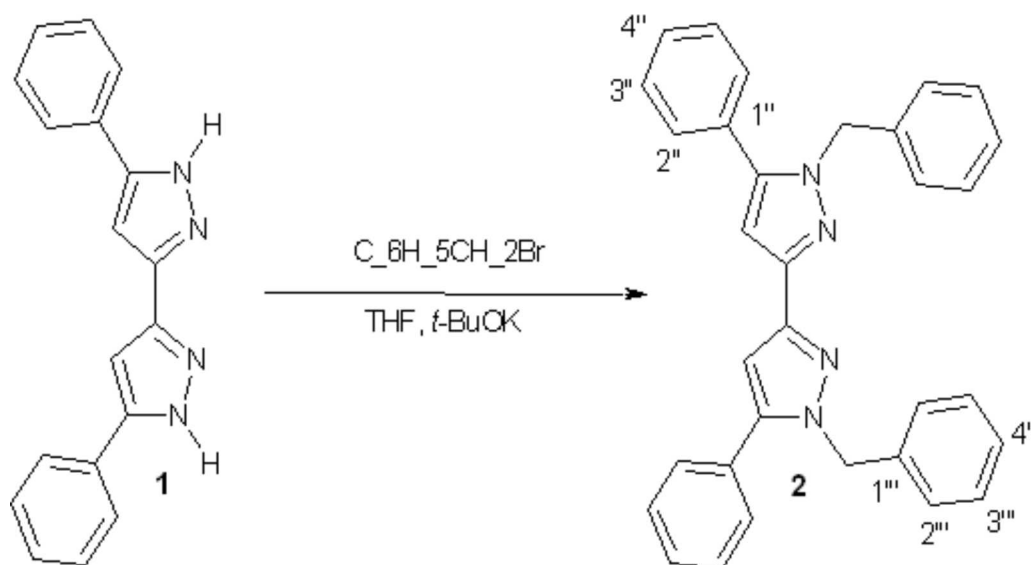
1,1'-dibenzyl-5,5'-diphenyl-3,3'-bipyrazole**Ibrahim Bouabdallah*, Abdelkrim Ramdani, Ismail Zidane and Rachid Touzani**

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Received: 24 October 2005 / Accepted: 15 January 2006 / Published: 1 June 2006

Keywords: Bipyrazol, ligand, benzyl, bidentate

A mixture of 5,5'-diphenyl-3,3'-bipyrazole **1** (143 mg, 0.5 mmol) [1] and potassium *tert*-butoxide (112 mg, 1 mmol) in 20 mL of dry THF was stirred under reflux for 30 min [2]. After cooling the mixture to 0°C, the benzylbromide (171 mg, 1 mmol) in THF (5 mL) was then added drop by drop. After stirring under reflux for 3 h, the mixture was filtered and evaporated. The residue was purified on silica column (CH_2Cl_2) and recrystallized from ethanol, to give product **2** (0.17g, 73 % yield) as a white solid.

Melting point: 236 - 237°C (EtOH)

IR (KBr, cm^{-1}) : 3050 ($\nu_{\text{C-H, arom.}}$); 1500 ($\nu_{\text{C=N}}$); 1470 ($\nu_{\text{C=C}}$); 1420; 1370; 1345; 1325; 1300 ($\delta_{\text{C-N}}$); 1190; 1105; 1030; 945; 835; 820; 800; 750; 725.

$^1\text{H-NMR}$ (CDCl_3 , 300 MHz) : d= 7.34 - 7.33 (m, 12 H, $\underline{\text{H}}_{3''}$, $\underline{\text{H}}_{3''}$, $\underline{\text{H}}_{4''}$, $\underline{\text{H}}_{4''}$); 7.25 (d, 4 H, $\underline{\text{H}}_{2''}$, J = 8.8 Hz); 7.08 (d, 4 H, $\underline{\text{H}}_{2''}$, J = 8.5 Hz); 6.78 (s, 2 H, $\text{C}_4\text{-H}$); 5.40 (s, 4 H, $\text{C}_6\text{H}_5\text{-CH}_2$).

$^{13}\text{C-NMR}$ (CDCl_3 , 75 MHz) : d= 146.27 (C3); 145.55 (C5); 138.15 (C1'''); 131.01 (C1''); 129.12 (C3''); 128.99 (C2''); 128.92 (C3'''); 128.81 (C4''); 127.69 (C4'''); 127.05 (C2'''); 104.78 (C4); 53.68 ($\underline{\text{CH}}_2$).

MS (EI), m/z: 466 (35.3 %); 430 (0.1 %); 389 (9.0 %); 363 (29.8 %); 321 (0.4 %); 277 (11.3 %); 105 (18.0 %); 91 (100.0 %); 77 (14.8 %); 51 (6.4 %).

References and Notes:

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Sample Availability: Available from MDPI.

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