

New bis-tridentate Nitrogen Ligand : N,N,N',N'-tetra-(3-carbomethoxy-5-methylpyrazol-1-ylmethyl)*p*-phenylenediamine

Maria DAOUDI,^a Brahim BENNANI,^a Assou ZAHIDI,^b Mohamed MCHICH,^b Taibi BEN HADDA^{b,*}

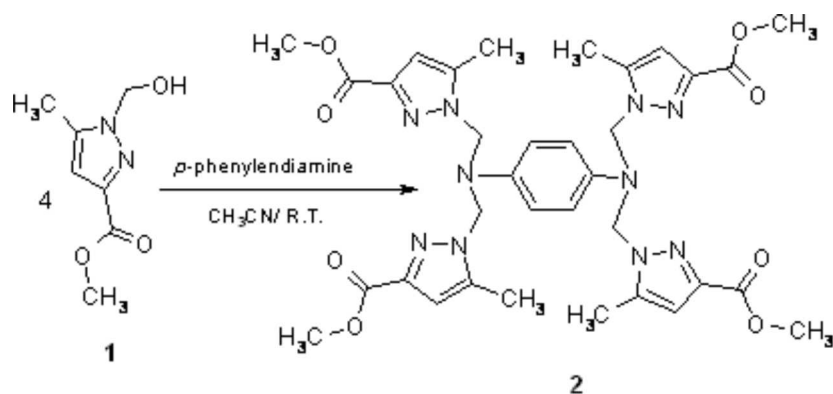
^a Laboratoire de Chimie Organique, Faculté des Sciences Dhar El Mehraz, 50000 Fès, Morocco.

^b Laboratoire d'Activation Moléculaire, Faculté des Sciences, 60000 Oujda, Morocco.

e-mail: tbenhadda@yahoo.fr

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The product **2** was prepared by the addition of *p*-phenylenediamine ($\text{NH}_2\text{C}_6\text{H}_4\text{NH}_2$) to **1** [1] according to the reported procedure [2]. To a solution of **1** (3.4 g, 20 mmol) in acetonitrile (45 ml) was added *p*-phenylenediamine (0.54 g, 5 mmol) and the mixture was stirred. The stirring was continued at room temperature for a week. The residue was precipitated by addition of cold water, purified and dried by hexane and under vacuum, to afford 2.63 g (74% yield) **2** as a white solid.

Melting Point: 197 °C.

IR (KBr, cm^{-1}): 3140 (=CH); 2990 (CH); 1730 (C=O); 1540 (C=C); 1480 (-C=N); 1450; 1410.

¹H-NMR (400 MHz, CDCl_3): δ = 7.25 (s, 4H, Ph); 6.5 (s, 4H, Pyrazol); 5.6 (s, 8H, N- CH_2 -N); 4 (s, 12H, O- CH_3); 2.2 (s, 12H, CH_3).

MS (m/z): 739 [$\text{M} + \text{Na}^+$]; 716 [M]⁺; 613; 585; 460.

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Sample Availability: Available from the authors and MDPI.

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