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2-Cyanophenylbis(5-methylfur-2-yl)methane

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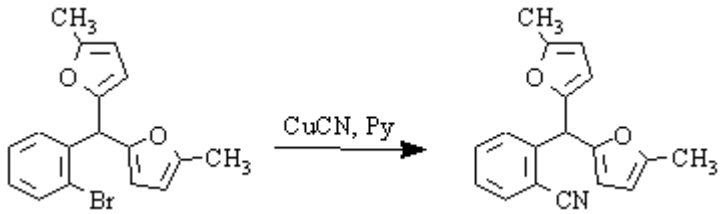

The mixture of 2-bromophenylbis(5-methylfur-2-yl)methane [1] (16.55 g, 50 mmol), 5 g CuCN and 5 ml of dry pyridine was heated for 12 hr on the oil bath at 220deg.C, then cooled to 150deg.C and poured onto a mixture of 10 ml ethylenediamine in 100 ml of H_2O and 100 ml of benzene. The mixture was refluxed for 3 hr, the emulsion was filtered, the benzene layer separated and after drying with Na_2SO_4 evaporated. The residue was dissolved in the boiling hexane and filtered through a pad of Al_2O_3. Cooling the hexane solution gave 5.15 g (37.14%) of golden needles.

M.p. 86-87deg.C.

^{1}H-NMR ($CDCl_3$): 7.65-7.2 (m, 4H, H_{Ar}), 5.95 (d, 2H, 3-H_{Fur}), 5.83 (d, 2H, 4-H_{Fur}), 5.7 (s, 1H, CH), 2.2 (s, 6H, CH_3) ppm.

Anal. calc. for $C_{18}H_{15}NO_2$ (277, 32): C 77.96, H 5.45, N 5.05; found: C 77.85, H 5.53, N 4.96.

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References and Notes

1. *Molecules* **1997**, *2*, M28.

Sample Availability: 350 mg available from the authors.