

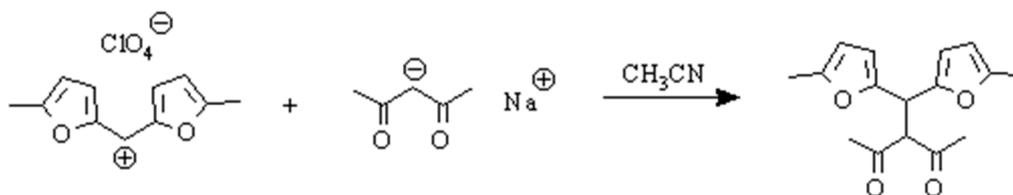
3-Bis(5-methylfur-2-yl)methyl-2,4-pentanedion

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To a stirred suspension of dry sodium acetylacetonate (1.83g, 15mmol) in 20 ml CH₃CN at 0deg.C freshly prepared bis(5-methylfur-2-yl)methylperchlorate [1] (2.74g, 10mmol) was added in small portions waiting for decolouration between each one. After further stirring for 15 min, the mixture was poured into 100 ml of H₂O. Extraction with Et₂O, drying of the ether layer by Na₂SO₄ and evaporation gave the brown oil, which was dissolved in acetone, filtered through a pad of silica gel and then left to crystallize. Yield 1.53g (56%).

M.p. 59-60deg.C.

¹H-NMR (CDCl₃): 5.91 (d, 2H, 3-H_{Fur}); 5.82 (d, 2H, 4-H_{Fur}); 4.77 (d, 1H, CH_{Fur}); 4.55 (d, 1H, CH_{CO}); 2.17 (s, 6H, CH₃ Fur); 2.07 (s, 6H, CH₃ CO) ppm.

Anal. calc. for C₁₆H₁₈O₄ (274.32): C 70.05, H 6.61; found C 69.94, H 6.67.

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References and Notes

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Sample Availability: available from MDPI, 1.0 g, MDPI Reg. No.13529.

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