

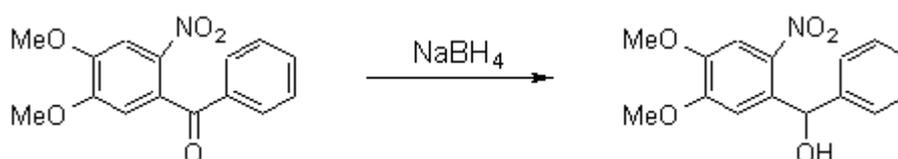
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4,5-Dimethoxy-2-nitrobenzhydrol

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The general part of the experimental section [1] has been presented elsewhere. To a boiling solution of 4,5-dimethoxy-4-nitrobenzophenone (10.0 g, 35 mmol) in ethanol (85 ml), NaBH₄ (0.61 g) was added gradually. After an hour the reaction mixture was diluted with water (300 ml) and then acidified with hydrochloric acid (20 %) to pH 6. The precipitate obtained was filtered off and recrystallized from ethanol to yield 7.75 g (77 %) of 4,5-dimethoxy-2-nitrobenzhydrol as yellow needles.

M.p. 130°C (ethanol).

IR (cm⁻¹): 3500 (OH).

¹H NMR (CDCl₃, 80 MHz): 7.47 (s, 1H, 3-H_{Ar}); 7.17 (s, 5H, H_{Ph}); 7.13 (s, 1H, 6-H_{Ar}); 6.37 (s, 1H, CH); 3.80 (s, 6H, OCH₃); 3.12 (broad s, 1H, OH).

Anal. calc. for C₁₅H₁₅NO₅ (289.30): C 62.28, H 5.23; Found: C 62.03, H 5.41.

Reference

1. Gutnov, A.V.; Butin, A.V.; Abaev, V.T.; Krapivin, G.D.; Zavodnik, V.E. Furyl(aryl)alkanes and Their Derivatives. 19. Synthesis of Benzofuran Derivatives via 2-Hydroxyaryl-R-(5-methylfur-2-yl)methanes. Reaction of Furan Ring Opening - Benzofuran Ring. *Molecules* **1999**, *4*, 204-218.

Sample availability: available from the authors and from MDPI.

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