

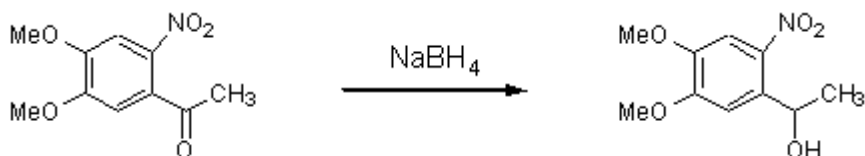
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1-(4,5-Dimethoxy-2-nitrophenyl)ethanol

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The general part of the experimental section [1] has been presented elsewhere. To a solution of 4,5-dimethoxy-4-nitrobenzophenone (8.0 g, 36 mmol) in 80 ml of ethanol, NaBH₄ (0.67 g) was added. After 15 minutes the reaction mixture was acidified with hydrochloric acid (20 %) to pH 6. The precipitate obtained was filtered off and purified by crystallisation from ethanol to yield 5.73 g (70 %) of 1-(4,5-dimethoxy-2-nitrophenyl)ethanol as yellow needles. After dilution of the acidified filtrate with water (100 ml) an additional quantity (1.15 g) of the titled compound was isolated.

M.p. 126°C (ethanol).

IR (cm⁻¹): 3260 (OH).

¹H NMR (CDCl₃, 80 MHz): 7.53 (s, 1H, 3-H_{Ar}); 7.28 (s, 1H, 6-H_{Ar}); 5.52 (k, 1H, J=6.3, CH); 3.93 (s, 3H, OCH₃); 3.88 (s, 3H, OCH₃); 2.56 (broad s., 1H, OH); 1.48 (d, 3H, J=6.3, CH₃).

Anal. calc. for C₁₀H₁₃NO₅ (227.22): C 52.86, H 5.76; Found: C 52.72, H 5.89.

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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