

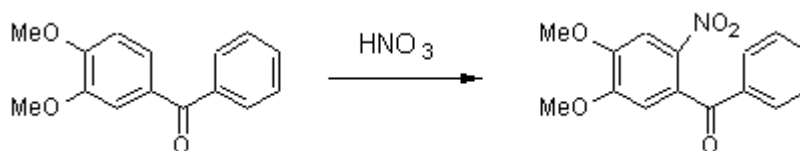
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4,5-Dimethoxy-2-nitrobenzophenone

Sergey K. Smirnov, Alexander V. Butin and Tat'yana A. Stroganova

Research Laboratory of Furan Chemistry, Kuban State Technological University, Moskovskaya 2, Krasnodar, Russian Federation. Phone: +7 8612 55 95 56; E-mail: nemol@kubstu.ru, E-mail: strog@kuban.net

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The general part of the experimental section [1] has been presented elsewhere. To a solution of 4,5-dimethoxybenzophenone (3.0 g, 12.4 mmol) in 7 ml of glacial acetic acid, red fuming nitric acid (3.4 ml) was added. The flask was rapidly cooled in an ice-water bath. After 35 minutes reaction time the mixture was poured into water. The precipitate was removed by filtration, washed with water and recrystallized from ethanol to give 2.97 g (83.5 %) 4,5-dimethoxy-2-nitrobenzophenone.

M.p. 137°C (ethanol).

IR (cm^{-1}): 1660 (C=O).

^1H NMR (CDCl_3 , 80 MHz): 7.70 (s, 1H, 3- H_{Ar}); 7.22-7.61 (m, 5H, H_{Ph}); 6.81 (s, 1H, 6-Ar); 3.97 (s, 3H, OCH_3); 3.90 (s, 3H, OCH_3).

Anal. calc. for $\text{C}_{15}\text{H}_{13}\text{NO}_5$ (287.28): C 62.72, H 4.56; Found: C 62.61, H 4.29.

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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