

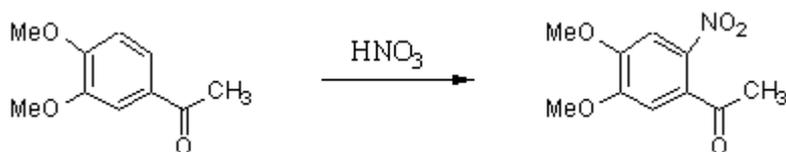
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## 4,5-Dimethoxy-2-nitroacetophenone

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The general part of the experimental section [1] has been presented elsewhere. To solution of 4,5-dimethoxyacetophenone (20.0 g, 110 mmol) in 45 ml of glacial acetic acid, red fuming nitric acid (22.0 ml) was added dropwise with cooling in an ice-water bath. After 20 minutes the reaction mixture was poured into water. Increasing the reaction time caused by-product formation. The precipitate was filtered off, washed with water and recrystallized from ethanol to yield 14.3 g (58 %) 4,5-dimethoxy-2-nitroacetophenone.

M.p. 134°C (ethanol).

$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 80 MHz): 7.60 (s, 1H, 3- $\text{H}_{\text{Ar}}$ ); 6.75 (s, 1H, 6- $\text{H}_{\text{Ar}}$ ); 3.93 (s, 6H,  $\text{OCH}_3$ ); 2.42 (s, 3H,  $\text{CH}_3$ ).

IR ( $\text{cm}^{-1}$ ): 1680 (C=O).

Anal. calc. for  $\text{C}_{10}\text{H}_{11}\text{NO}_5$  (225.21): C 53.33, H 4.92; Found: C 53.17, H 5.09.

### 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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