Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

The Synthesis of 2-(Chloromethyl)-6-Hydroxy-2H-Pyran-3 (6H)-one via Achmatowicz Rearrangement

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Keywords
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Abstract: Achmatowicz rearrangement was carried out with 2-chloro-1-(furan-2-yl) ethanol, which was synthesized starting from 1-(furan-2-yl) ethanone. It was shown that the oxidation of 2-chloro-1-(furan-2-yl) ethanol with m-CPBA produced 2-(chloromethyl)-6-hydroxy-2H-pyran-3 (6H)-one in good yield (70%).

Key Words: Oxidation, furan, 2-chloro-1-(furan-2-yl) ethanol, m-CPBA, rearrangement, pyranones

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Turk. J. Chem., **31**, (2007), 491-494.
Full text: pdf
Other articles published in the same issue: Turk. J. Chem.,vol.31,iss.4.

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