

α -Dicarbonylmonoxime als Nucleophile und Nachbargruppen

α -Dicarbonylmonoximes as Nucleophiles and Neighbour Groups

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Intramolecular Cyclization

The α -dicarbonylmonooximes **1** and **11** do not react as simple “CH-acidic-compounds” in the Mannich condensation. In a concerted reaction with aminals in absolute dioxane they give rise to the products **4a - e** and **12a - e** with better practicability and much higher yields compared with the conventional method. The Mannich bases with a cyclic amine part show in the dehydrogenation, using mercury-EDTA, a neighbouring group participation of the oxime in type **4** and of the oxime or amide function in **12** yielding cyclized products. For the reaction a plausible mechanism is proposed.

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