## **Turkish Journal of Chemistry**

Turkish Journal	H <sub>2</sub> {SO} <sub>4</sub> -silica as an efficient and chemoselective catalyst for the synthesis of acylal from
of	aldehydes under solvent-free conditions
Chemistry	Seied Ali POURMOUSAVI and Zahra ZINATI School of Chemistry, Damghan University of Basic Sciences, Damghan 36715364 IRAN e-mail: pourmousavi@dubs.ac.ir
Keywords Authors	<u>Abstract:</u> A variety of aldehydes react with acetic anhydride in the presence of a catalytic amount of $H_2SO_4$ -silica to afford the corresponding 1,1-diacetates (acylals) in excellent yields. Ketones are not affected under the reaction conditions. The advantages are the simplicity of the acylation procedure, and the relatively non-toxic nature of the catalyst as well as its easy availability and low cost.
@	Key Words: Acylals, aldehydes, catalysis, solvent-free reactions, H <sub>2</sub> SO <sub>4</sub> -silica.
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