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An efficient one-pot synthesis of dihydropyrimidinones catalyzed by zirconium hydrogen phosphate under solvent-free conditions

Şenol BEŞOLUK<sup>1</sup>, Mustafa KÜÇÜKİSLAMOĞLU<sup>2</sup>, Mustafa ZENGİN<sup>2</sup>  
Mustafa ARSLAN<sup>2</sup>, Mehmet NEBİOĞLU<sup>2</sup>

<sup>1</sup>Department of Science Education, Faculty of Education, Sakarya University,  
Sakarya 54300, TURKEY

<sup>2</sup>Department of Chemistry, Faculty of Art and Science, Sakarya University,  
Sakarya 54140, TURKEY

e-mail: mustafak@sakarya.edu.tr

**Abstract:** A simple, efficient, and practical procedure for the Biginelli reaction using zirconium hydrogen phosphate [Zr(H<sub>2</sub>PO<sub>4</sub>)<sub>2</sub>] as a novel solid acid catalyst is described under solvent-free conditions in high yields. The catalyst exhibited remarkable reactivity and it is reusable.

**Key Words:** Biginelli reaction; solvent-free; zirconium hydrogen phosphate; dihydropyrimidinones, recyclable catalyst

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