

Acetalization of Carbonyl Compounds by Using $\text{Al}_2(\text{HPO}_4)_3$ under Green Condition Mg HPO_4

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Abstract : $\text{Al}_2(\text{HPO}_4)_3$ was easily prepared and used as a solid acid in acetalization of carbonyl compounds at room temperature and under solvent-free conditions. The protection was done in short reaction times and in good to high isolated yields. The cheapness and availability of this reagent with easy procedure and work-up make this method attractive for the organic synthesis.

Keywords : acetalization, acid catalysis, carbonyl compounds, green condition, protection

Conference Title : ICCBE 2014 : International Conference on Chemical and Biological Engineering

Conference Location : Istanbul, Türkiye

Conference Dates : July 30-31, 2014