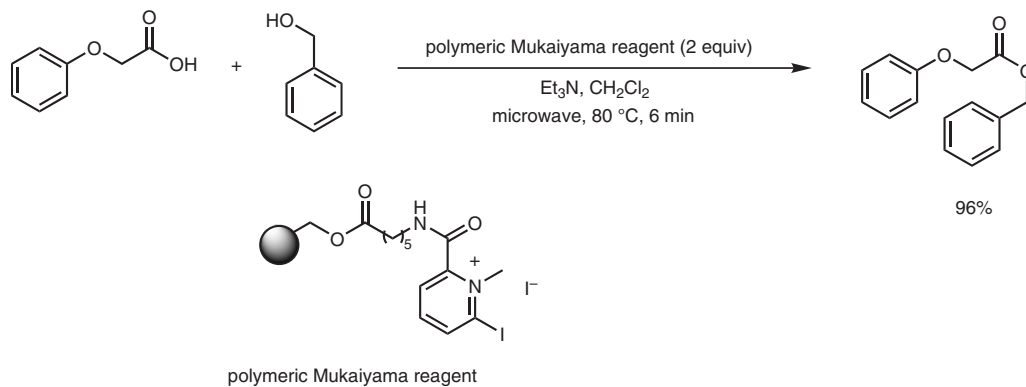


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A Rapid Microwave-Assisted Utilizing the Mukaiyama Supported Reagent
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A Rapid Microwave-Assisted Esterification Utilizing the Mukaiyama Supported Reagent



Significance: The esterifications of seven alcohols and six carboxylic acids were found to proceed very smoothly in the presence of 2-chloro-1-methylpyridinium iodide (the so-called Mukaiyama reagent) supported on polystyrene resin with the aid of microwave heating. All reactions were performed at 80 °C for 4–18 minutes in CH₂Cl₂ and Et₃N to give high yields (64–96%) of the esters via simple filtration of resin (20 examples).

Comment: The authors have recently reported the synthesis of the polymer-supported Mukaiyama reagent (*J. Org. Chem.* **2004**, *69*, 9316–9318).