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Lewis Acid Catalyzed Synthesis of Dihydrobenzopyrans

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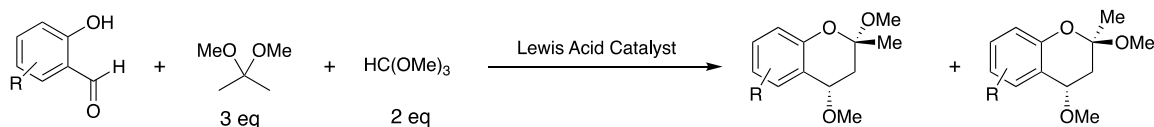
Poster Presentation P15

LEWIS ACID CATALYZED SYNTHESIS OF DIHYDROBENZOPYRANS

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Dihydrobenzopyrans are of interest as they possess antifungal and antibacterial properties, and are useful pharmaceutical intermediates. We have studied the utility of iron chloride, iron tosylate, and various bismuth salts as catalysts for the formation of the dihydrobenzopyran ring system from several substituted salicylaldehydes. In addition, the effect of solvent on this reaction is being studied. Preliminary results from this study will be presented.



R = OMe, Br, Cl