Lewis Acid Catalyzed Synthesis of Dihydrobenzopyrans

Ian Taylor
Illinois Wesleyan University

Ram Mohan, Faculty Advisor
Illinois Wesleyan University

Follow this and additional works at: http://digitalcommons.iwu.edu/jwprc
Part of the Chemistry Commons

http://digitalcommons.iwu.edu/jwprc/2017/posters/2
LEWIS ACID CATALYZED SYNTHESIS OF DIHYDROBENZOPYRANS

Ian H. Taylor and Ram Mohan*
Chemistry Department, Illinois Wesleyan University

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.