Apr 21st, 1:15 PM - 2:15 PM

Studies on the Lewis Acid Catalyzed Reaction of a Bicyclic Aziridine with Alcohols

Megan Stombaugh, '02
Illinois Wesleyan University

Jeffrey Frick, Faculty Advisor
Illinois Wesleyan University

Poster Presentation P28

STUDIES ON THE LEWIS ACID CATALYZED REACTION OF A BICYCLIC AZIRIDINE WITH ALCOHOLS

Megan Stombaugh and Jeffrey Frick *
Department of Chemistry, Illinois Wesleyan University

Oxazolidinones are a class of compounds that have antimicrobial properties, and they can be used to treat bacterial infections. My research involves the synthesis of an oxazolidinone through a bicyclic aziridine intermediate. The three-membered ring in the bicyclic aziridine is opened by an alcohol in the presence of a Lewis acid to form the oxazolidinone. This procedure is versatile because there are a variety of alcohols and Lewis acids that can be used to open the ring, resulting in a number of different oxazolidinones.