



Illinois Wesleyan University
Digital Commons @ IWU

John Wesley Powell Student Research
Conference

2005, 16th Annual JWP Conference

Apr 16th, 9:00 AM - 10:00 AM

Synthesis of 4-Substituted Oxazolidinones Using Primary, Secondary, and Tertiary Alcohols

Scott Brombosz
Illinois Wesleyan University

Jeffrey Frick, Faculty Advisor
Illinois Wesleyan University

Follow this and additional works at: <https://digitalcommons.iwu.edu/jwprc>

Brombosz, Scott and Frick, Faculty Advisor, Jeffrey, "Synthesis of 4-Substituted Oxazolidinones Using Primary, Secondary, and Tertiary Alcohols" (2005). *John Wesley Powell Student Research Conference*. 7.
<https://digitalcommons.iwu.edu/jwprc/2005/posters/7>

This Event is protected by copyright and/or related rights. It has been brought to you by Digital Commons @ IWU with permission from the rights-holder(s). You are free to use this material in any way that is permitted by the copyright and related rights legislation that applies to your use. For other uses you need to obtain permission from the rights-holder(s) directly, unless additional rights are indicated by a Creative Commons license in the record and/ or on the work itself. This material has been accepted for inclusion by faculty at Illinois Wesleyan University. For more information, please contact digitalcommons@iwu.edu.

©Copyright is owned by the author of this document.

Poster Presentation P13

**SYNTHESIS OF 4-SUBSTITUTED OXAZOLIDINONES USING PRIMARY,
SECONDARY, AND TERTIARY ALCOHOLS**

Scott Brombosz and Jeffrey Frick*
Chemistry Department, Illinois Wesleyan University

Oxazolidinones are an interesting and relatively new class of antibiotics that have recently gained much attention for their effectiveness against certain drug resistant bacteria. The focus of this project has been to synthesize 4-substituted oxazolidinones from a bicyclic aziridine. This has been accomplished by utilizing a Lewis acid catalyzed ring opening reaction with various alcohols. The results from this study with primary, secondary, and tertiary alcohols will be presented.