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Zinc Triflate Catalyzed Synthesis of 4-Substituted Oxazolidinones

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Poster Presentation P12

ZINC TRIFLATE CATALYZED SYNTHESIS OF 4-SUBSTITUTED OXAZOLIDINONES

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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 and secondary alcohols will be presented.

