A Proposed Novel Synthesis of (+)-Obafluorin

Michael J. Busse
Illinois Wesleyan University

Dr. Jeff Frick, Faculty Advisor
Illinois Wesleyan University

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In the continuing search for antibiotics, a novel β-lactone antibiotic has been discovered in strains of *Pseudomonas fluorescens* bacteria in various locations around the world. In our proposed novel synthesis of this β-lactone, called (+)-obafluorin 2, we require the use of aldehyde 1. Two methods of synthesizing compound 1 are being explored. One method has shown to be unsuccessful; the other is currently being tested. The results of these experiments will be presented.