



Illinois Wesleyan University Digital Commons @ IWU

John Wesley Powell Student Research
Conference

1994, 5th Annual JWP Conference

Apr 23rd, 9:00 AM - 4:00 PM

A Proposed Novel Synthesis of (+)-Obafluorin

Michael J. Busse

Illinois Wesleyan University

Dr. Jeff Frick, Faculty Advisor

Illinois Wesleyan University

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

Michael J. Busse and Dr. Jeff Frick, Faculty Advisor, "A Proposed Novel Synthesis of (+)-Obafluorin" (April 23, 1994).
John Wesley Powell Student Research Conference. Paper 6.
<http://digitalcommons.iwu.edu/jwprc/1994/posters/6>

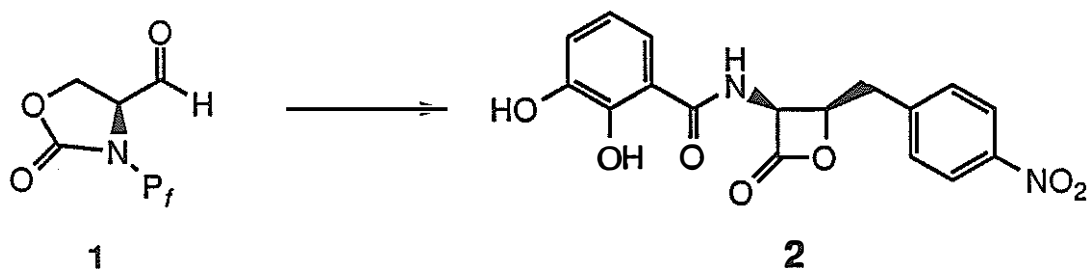
This Event is brought to you for free and open access by The Ames Library, the Andrew W. Mellon Center for Curricular and Faculty Development, the Office of the Provost and the Office of the President. It has been accepted for inclusion in Digital Commons @ IWU by the faculty at Illinois Wesleyan University. For more information, please contact digitalcommons@iwu.edu.

©Copyright is owned by the author of this document.

A PROPOSED NOVEL SYNTHESIS OF (+)-OBAFLUORIN.

Michael J. Busse and Dr. Jeff Frick*, Department of Chemistry, IWU.

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.



* faculty advisor