



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: <https://digitalcommons.iwu.edu/jwprc>

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

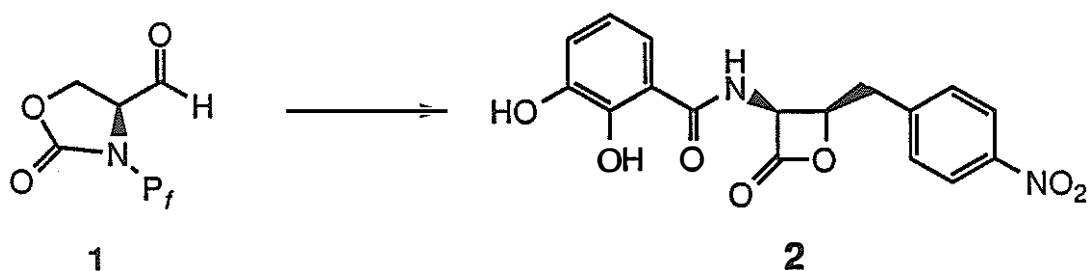
This Event is protected by copyright and/or related rights. It has been brought to you by Digital Commons @ IWU with permission from the rights-holder(s). You are free to use this material in any way that is permitted by the copyright and related rights legislation that applies to your use. For other 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.

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