



Apr 25th, 10:30 AM - 4:30 PM

Amino Acid Detection Using 1,8-Diazafluoren-9-One and Analogs

Kevin D. Crawford

Illinois Wesleyan University

Forrest J. Frank, Faculty Advisor

Illinois Wesleyan University

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

Crawford, Kevin D. and Frank, Faculty Advisor, Forrest J., "Amino Acid Detection Using 1,8-Diazafluoren-9-One and Analogs" (1992). *John Wesley Powell Student Research Conference*. 41.
<http://digitalcommons.iwu.edu/jwprc/1992/posters/41>

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.

AMINO ACID DETECTION USING 1,8-DIAZAFLUOREN-9-ONE AND ANALOGS

Kevin D. Crawford and Forrest J. Frank*

Department of Chemistry
Illinois Wesleyan University
Bloomington, IL 61702

The newest reagent for the detection of the amino acids present in latent fingerprints is 1,8-diazafluoren-9-one (1). However, the fluorescence observed with this compound is sometimes obscured by the fluorescence of certain papers. Thus, several analogs have been synthesized by other researchers (2-7) in an attempt to find a better reagent. This research investigates the UV-visible and fluorescence properties of the reaction products of these compounds with amino acids both in solution and on paper.

