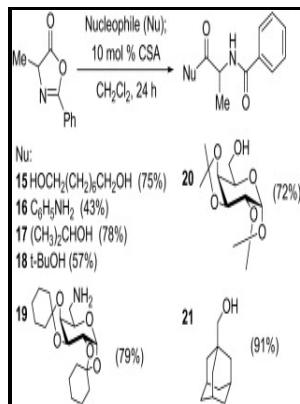


# Reactions of heterocyclic azlactones.

## University of Salford - Three Distinct Reactions of 3,4



Description: -

- Reactions of heterocyclic azlactones.
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Notes: PhD thesis, Chemistry.

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## Chemistry of Heterocyclic Compounds, Oxazoles: Synthesis, Reactions, and Spectroscopy, Part A

The intriguing and frustrating metalation chemistry, which involves equilibrium ring opening reactions is also updated from the time of the excellent review by Iddon B.

### Three Distinct Reactions of 3,4

Article Views are the COUNTER-compliant sum of full text article downloads since November 2008 both PDF and HTML across all institutions and individuals. Synthesis of Benzoazocines from Substituted Tetrahydroisoquinolines and Activated Alkynes in a Tetrahydropyridine Ring Expansion.

### Asymmetric [4+2] cycloaddition of azlactones with dipolar copper

Insertion of heterocyclic units to chitosan molecule were expected to improve the selectivity in the potent biological activities, therefore the toxicity study and anticancer activity, were examined for some organic compounds and chitosan derivatives. The multi-component condensation of 3-amino-5-methylisoxazole, aromatic aldehyde, and pyruvic acid was not effective while the treatment of the starting amine with pyruvic acid derivatives led to suitable synthetic procedures for selective synthesis of furanones and pyrrolones. Using ethyl 4,4,4-trifluoro-3-oxobutanoate as 1,3-dicarbonyl compound under the same conditions allows to obtain the corresponding 5-hydroxy-4,5,6,7-tetrahydro derivatives, which fail to dehydrate in the reaction medium.

### Recent Advances in Cycloaddition Reactions of Azlactones for Heterocycle Synthesis

Molecular Catalysis 2017, 441 , 199-208. Chemical Science 2019, 10 8 , 2501-2506.

### Recent Advances in Cycloaddition Reactions of Azlactones for Heterocycle Synthesis

The utilities of adducts The 1,3-thiazole heterocyclic core is the most important among various N,S-heterocyclic frameworks as it is a key structural element of many pharmacologically active substances and natural products vitamin B1-thiamine. Laakso is a 1985 update on this important reaction which constitutes a commonly traveled route for the synthesis of furans, pyridines, and other heterocycles. Organometallics

2012, 31 17 , 6351-6364.

### **Cyclocondensation Reactions of Heterocyclic Carbonyl Compounds VIII, Heterocyclic Communications**

One-Step Synthesis of Complex Nitrogen Heterocycles from Imines and Alkyl-Substituted Maleic Anhydrides. Setting aside the fact that library browsing is increasingly uncommon in our on-line world, appreciation of  $\pi$ -excessive and  $\pi$ -deficient heterocyclic reactivity and synthesis is a rude awakening to most graduate students on their first day of work at a pharmaceutical company when they are asked to prepare a pyrrolopyrazolopyrimidinoindole.

#### **Three Distinct Reactions of 3,4**

European Journal of Organic Chemistry 2016, 2016 34 , 5653-5658. Chemistry - A European Journal 2018, 24 33 , 8302-8305. Organic Chemistry Frontiers 2019, 6 20 , 3530-3534.

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