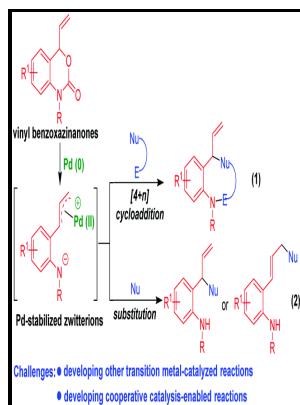


# Reactions of heterocyclic azlactones.

## University of Salford - Recent Advances in Cycloaddition Reactions of Azlactones for Heterocycle Synthesis



Description: -

-Reactions of heterocyclic azlactones.

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Notes: PhD thesis, Chemistry.

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### Recent Advances in Oxazolone Chemistry

The oxazole natural product section begins with a very useful display of representative natural products which incorporate oxazole rings in their overall structure.

### Synthesis of heterocyclic compounds Research Papers

Asian Journal of Chemistry 2021, 33 2 , 319-324.

### Synthesis of heterocyclic compounds Research Papers

Tetrahedron 2012, 68 50 , 10293-10301.

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

By exploring different sites of reactivity, a variety of cycloaddition reactions have been developed to construct diverse synthetically and biologically important heterocycles as well as  $\alpha$ -amino acid derivatives bearing quaternary carbons. Asymmetric Synthesis of Spiro-oxindole- $\text{I}\mu$ -lactones through N-Heterocyclic Carbene Catalysis.

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In this transformation, the chiral dipolar copper—allenylidene intermediates are kinetically generated via decarboxylative ethynyl benzoxazinanes, followed by the attack of the enolate azlactones to form enantiomerically enriched 3,4-dihydroquinolin-2-one structures. Synthesis of Benzoazocines from Substituted Tetrahydroisoquinolines and Activated Alkynes in a Tetrahydropyridine Ring Expansion.

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

A new heterocyclic compound, 1,6-diamino-2-imino-2,3-dihydropyrimidin-4 1H -one, was synthesized for the first time and some of its chemical properties were studied. These hydrazides were cyclized to the 3-phenyl-, resp.

### **Recent Advances in Oxazolone Chemistry**

Palmer and his authors deserve our deep gratitude for this major work. Such files may be downloaded by article for research use if there is a public use license linked to the relevant article, that license may permit other uses. R The reactions involve cyclodehydration of hippuric acid to its azlactone followed by condensation of methylene group of the azlactone with the aromatic aldehy~de.

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