

## Synthesis

*Synthesis* 2020, 52, 2731–2760  
DOI: 10.1055/s-0040-1707123

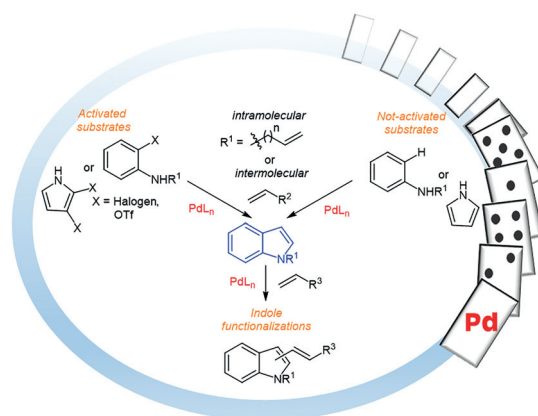
**M. S. Christodoulou**  
**E. M. Beccalli\***  
**F. Foschi**  
**S. Giofrè**

Università degli Studi di Milano,  
Italy

## Pd-Catalyzed Domino Reactions Involving Alkenes To Access Substituted Indole Derivatives

Review

2731



## Synthesis

*Synthesis* 2020, 52, 2761–2780  
DOI: 10.1055/s-0040-1707159

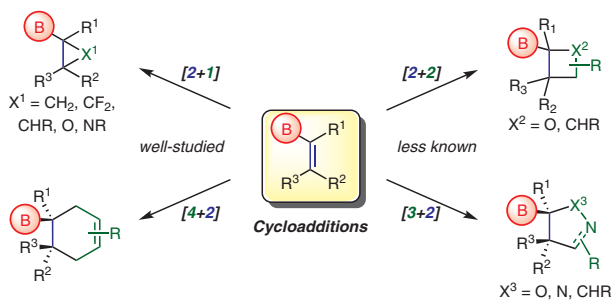
**O. O. Grygorenko\***  
**V. S. Moskvina**  
**O. V. Hryshchuk**  
**A. V. Tymtsunik**

Enamine Ltd., Ukraine  
V. P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry, Ukraine

## Cycloadditions of Alkenylboronic Derivatives

Short Review

2761



## Synthesis

Synthesis 2020, 52, 2781–2794  
DOI: 10.1055/s-0040-1707154

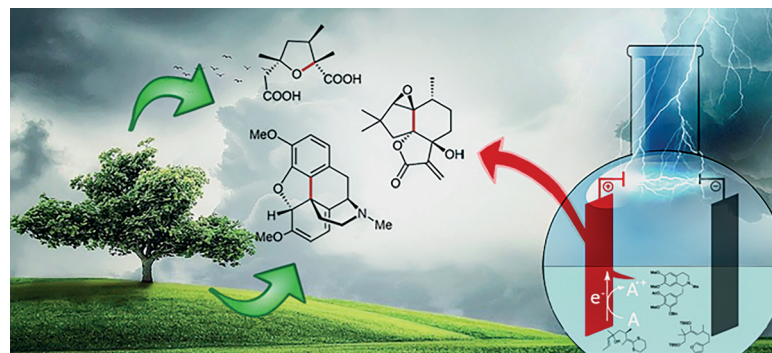
L. Geske  
E. Sato  
T. Opatz\*

Johannes Gutenberg-Universität,  
Germany

## Anodic Oxidation as an Enabling Tool for the Synthesis of Natural Products

## Short Review

2781



## Synthesis

Synthesis 2020, 52, 2795–2806  
DOI: 10.1055/s-0040-1707890

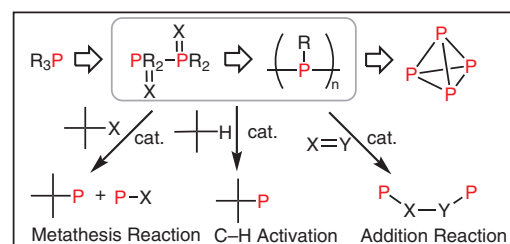
M. Arisawa\*

Tohoku University, Japan

## Transition-Metal-Catalyzed Synthesis of Organophosphorus Compounds Involving P–P Bond Cleavage

## Short Review

2795



## Synthesis

Synthesis 2020, 52, 2807–2820  
DOI: 10.1055/s-0040-1707885

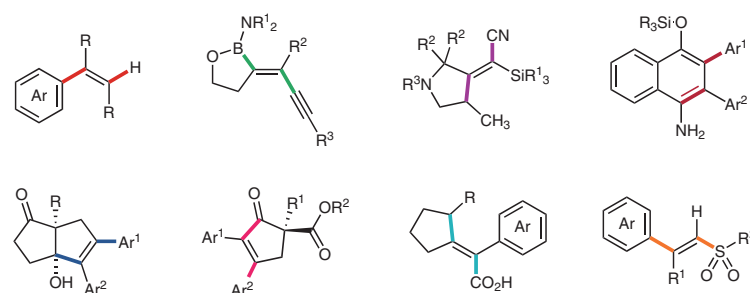
S. E. Bottcher  
L. E. Hutchinson  
D. J. Wilger\*

Samford University, USA

Nickel-Catalyzed *anti*-Selective Alkyne Functionalization Reactions

## Short Review

2807



## Synthesis

Synthesis 2020, 52, 2821–2827  
DOI: 10.1055/s-0040-1707179

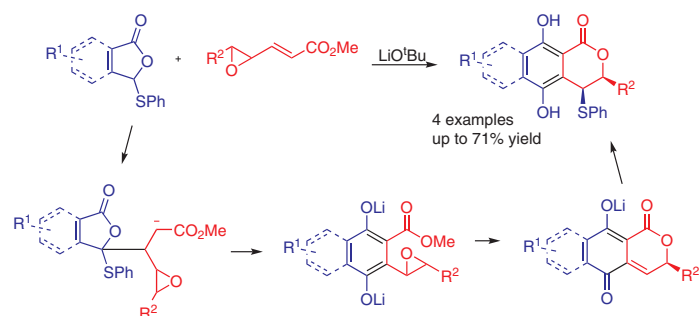
S. Wang  
G. A. Kraus\*

Iowa State University, USA

## Annulations with Butenolides and Phthalides: New Entries to Isocoumarins, 3,4-Dihydroisocoumarins, and Benzofurans

Feature

2821



## Synthesis

Synthesis 2020, 52, 2828–2832  
DOI: 10.1055/s-0040-1707399

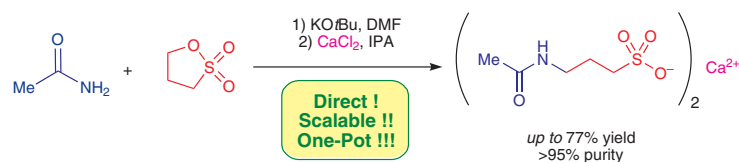
C. Cavarischia  
A. Comely  
M. Ćija  
T. Iacangeli  
M. Pastó  
L. Silvestri  
G. Furlotti\*

ANGELINI PHARMA S.p.A., Italy

## A Convenient, Scalable Process for the Preparation and Purification of Calcium Acamprostate

PSP

2828



## Synthesis

Synthesis 2020, 52, 2833–2840  
DOI: 10.1055/s-0040-1707166

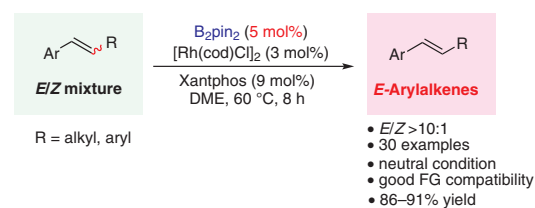
H. Yang  
W. Dong  
W. Wang  
T. Li\*  
W. Zhao\*

Hunan University, P. R. of China

## Stereoselective Rhodium-Catalyzed Isomerization of Stereoisomeric Mixtures of Arylalkenes

Paper

2833



## Synthesis

*Synthesis* 2020, 52, 2841–2856  
DOI: 10.1055/s-0040-1707865

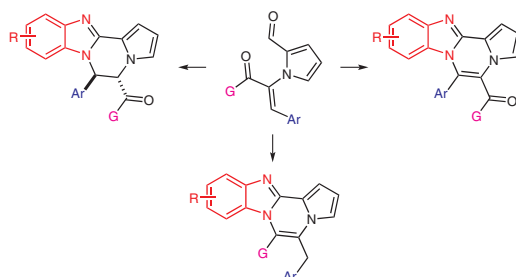
A. Dagar  
D. R. Joshi  
I. Kim\*

Yonsei University,  
Republic of Korea

Solvent-Controlled Divergent Syntheses of Polycyclic *N*-Fused Heteroaromatics

Paper

2841



- solvent-dependent divergent approaches to *N*-fused polycyclic heteroaromatics  
- formation of multiple bonds via domino sequence in a one-pot mode  
- several examples, yields up to 95%

## Synthesis

*Synthesis* 2020, 52, 2857–2869  
DOI: 10.1055/s-0040-1707405

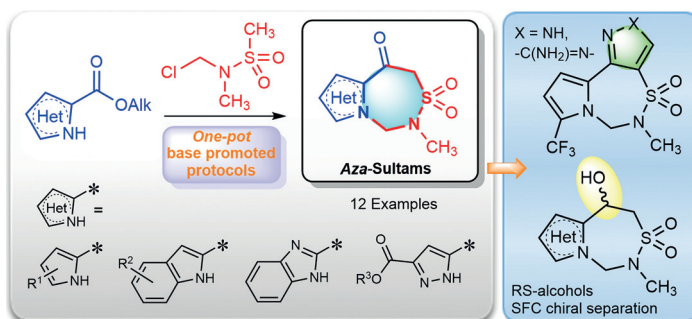
V. Y. Hys  
D. S. Milokhov\*  
O. B. Volovenko  
I. S. Konovalova  
S. V. Shishkina  
Y. M. Volovenko

Taras Shevchenko National University of Kyiv, Ukraine

## Synthetic Approach to Fused Azasultams with 1,2,4-Thiadiazepine Framework

Paper

2857



## Synthesis

*Synthesis* 2020, 52, 2870–2882  
DOI: 10.1055/s-0040-1707854

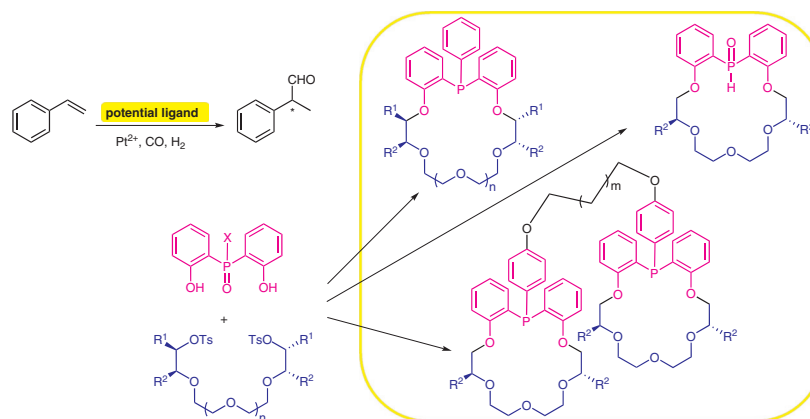
H. Szabó-Szentjóni  
I. Majoros  
A. Márton  
I. Leveles  
B. G. Vértessy  
M. Dékány  
T. Tóth  
P. Huszthy\*

Budapest University of Technology and Economics, Hungary

## Synthesis of New Chiral Crown Ethers Containing Phosphine or Secondary Phosphine Oxide Units

Paper

2870



## Synthesis

*Synthesis* 2020, 52, 2883–2891  
DOI: 10.1055/s-0040-1707882

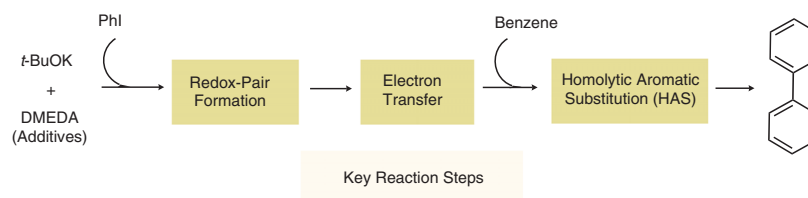
**M. Patil\***

University of Mumbai, India

### Mechanism of the *t*-BuOM (M = K, Na, Li)/DMEDA-Mediated Direct C–H Arylation of Benzene: A Computational Study

## Paper

2883



## Synthesis

*Synthesis* 2020, 52, 2892–2898  
DOI: 10.1055/s-0040-1707173

**R. Bucci**

**F. Clerici**

**S. Pellegrino\***

**E. Erba\***

Università degli Studi di Milano,  
Italy

### Diastereoselective Synthesis of Pyrazolines by Metal-Free Rearrangement of Bicyclic Triazolines

## Paper

2892

