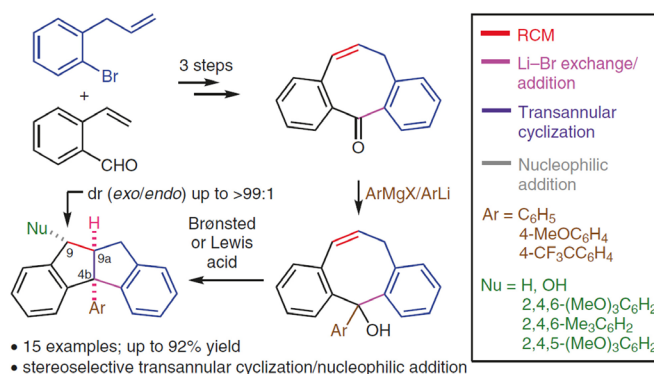


## Cluster

Organic Chemistry in Thailand

Editor: Yasuhiro Uozumi

Guest Editor: Sumrit Wacharasindhu



**4b-Aryltetrahydroindeno[1,2-a]indenes by Acid-Catalyzed Transannular Cyclization of Benzannulated Cyclooctene Alcohols**

P. Songthammawat, T. Phumjan, S. Ruchirawat, P. Ploypradith

Synlett

Cluster Preface: Organic Chemistry in Thailand

Cluster

Synlett 2022, 33, 1309–1311  
DOI: 10.1055/s-0041-1738688

S. Wacharasindhu\*  
Chulalongkorn University,  
Thailand



1309

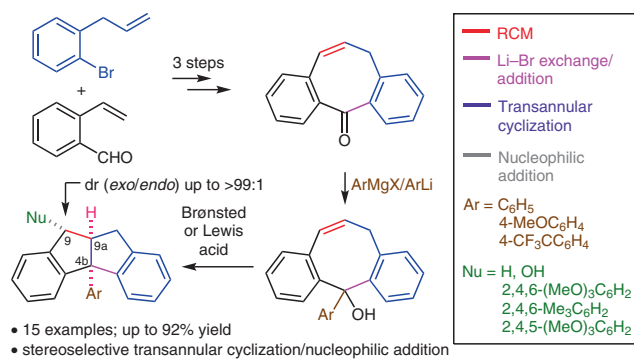
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4b-Aryltetrahydroindeno[1,2-a]indenes by Acid-Catalyzed Transannular Cyclization of Benzannulated Cyclooctene Alcohols

Cluster

Synlett 2022, 33, 1312–1316  
DOI: 10.1055/a-1778-8143

P. Songthammawat  
T. Phumjan  
S. Ruchirawat  
P. Ploypradith\*  
Chulabhorn Research Institute,  
Thailand



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Synlett 2022, 33, 1317–1322  
DOI: 10.1055/a-1784-2304

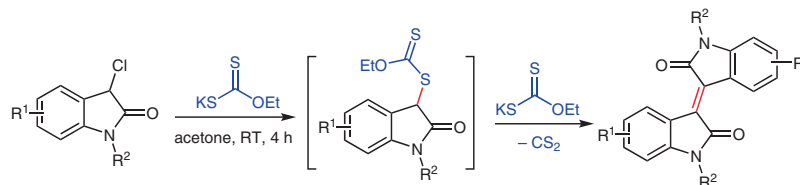
J. Meesin\*  
N. Chotsaeng  
C. Kuhakarn

King Mongkut's Institute of  
Technology Ladkrabang,  
Thailand

### Dimerization of 3-Chlorooxindoles Mediated by Potassium Ethylxanthate: Synthesis of Isoindigos

Cluster

1317



- inexpensive reagent
- broad range of products, up to 89% yield
- mild and metal-free conditions
- no chromatographic purification in most cases

## Synlett

Synlett 2022, 33, 1323–1328  
DOI: 10.1055/a-1792-7169

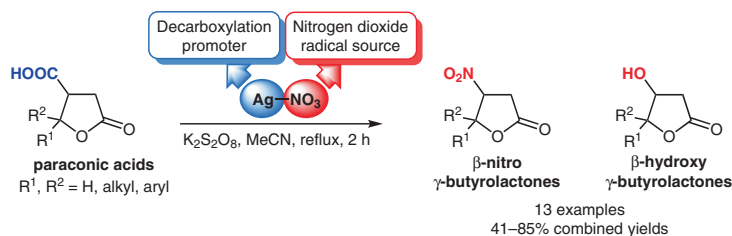
S. Phae-nok  
C. Kuhakarn  
P. Leowanawat  
V. Reutrakul  
D. Soorukram\*

Mahidol University, Thailand

### Decarboxylation of Paraconic Acids by a Silver(I) Nitrate/Persulfate Combination: An Entry to $\beta$ -Nitro- and $\beta$ -Hydroxy $\gamma$ -Butyrolactones

Cluster

1323



## Synlett

Synlett 2022, 33, 1329–1334  
DOI: 10.1055/a-1774-6966

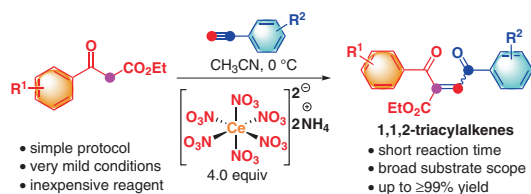
S. Ruengsangtongkul  
T. Kuribara  
N. Chaisan  
J. Tummatorn  
C. Thongsornkleeb\*  
S. Ruchirawat

Chulabhorn Research Institute,  
Thailand

### Ceric Ammonium Nitrate Promoted Oxidative Coupling of Terminal Alkynes and 1,3-Keto Esters: A Synthesis of Unsymmetrical 1,1,2-Triacylalkenes

Cluster

1329



- simple protocol
- very mild conditions
- inexpensive reagent

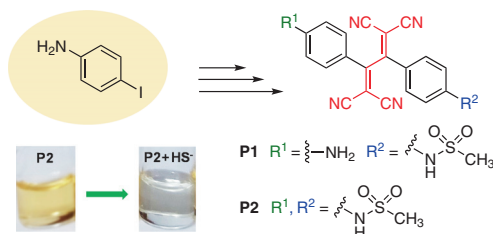
- short reaction time
- broad substrate scope
- up to  $\geq 99\%$  yield

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## 2,3-Diaryl-1,1,4,4-tetracyanobutadienes as Colorimetric Sensors for Sulfide Ion in Aqueous Media

Cluster

1335

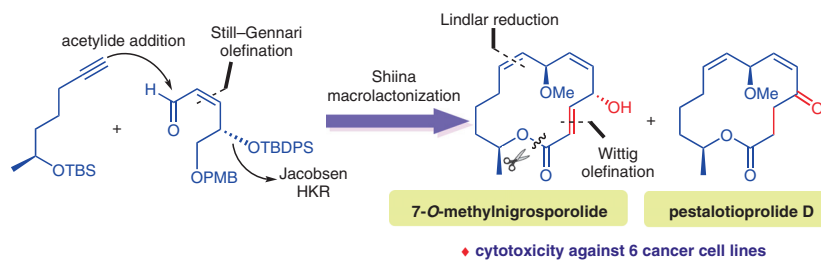
Synlett 2022, 33, 1335–1340  
DOI: 10.1055/a-1806-6258Q. N. Pham  
K. Silpcharu  
V. Vchirawongkwin  
M. Sukwattanasinitt  
P. Rashatasakhon\*  
Chulalongkorn University,  
Thailand

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## Total Synthesis and Cytotoxic Activity of 7-O-Methylnigrosporolide and Pestalotioprolide D

Cluster

1341

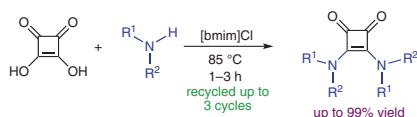
Synlett 2022, 33, 1341–1346  
DOI: 10.1055/a-1792-8402A. Thiraporn  
P. Iawsoipo  
K. Tadpetch\*  
Prince of Songkla University

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## Ionic Liquid Driven Nucleophilic Substitution of Squaric Acid to Squaramides

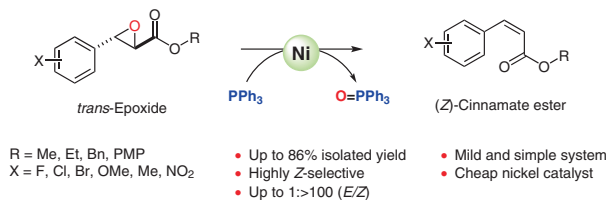
Cluster

1347

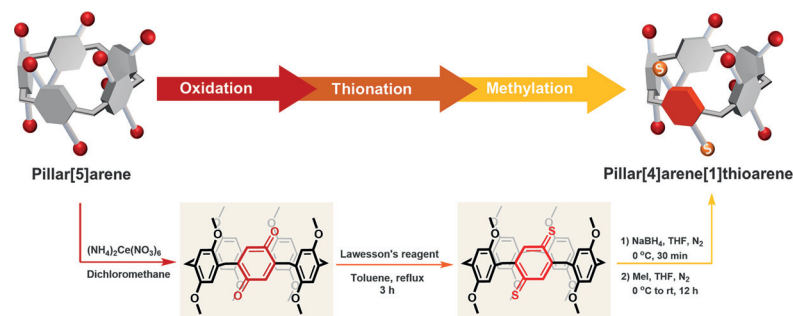
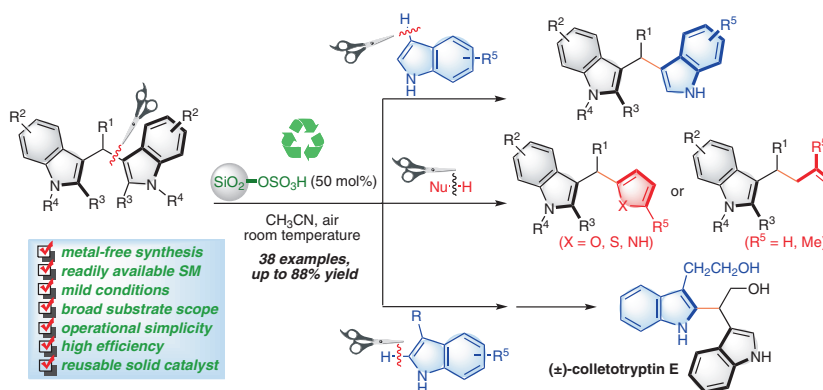
Synlett 2022, 33, 1347–1352  
DOI: 10.1055/a-1795-8322S. Soonthonhut  
P. Acharasatian\*  
Thammasat University, Thailand

S. Akkarasamiyo\*  
S. Chitsomkuan  
S. Buakaew  
J. S. Samec  
P. Chuawong  
P. Kuntiyong

Kasetsart University, Thailand

Synthesis of (*Z*)-Cinnamate Esters by Nickel-Catalyzed Stereoinvertive Deoxygenation of *trans*-3-ArylglycidatesA. Khanthong  
K. Khamphaijun  
A. Ruengsuk  
A. Docker  
T. Limpanuparb\*  
J. Tantirungrotechai  
T. Bunchuay\*Faculty of Science, Mahidol University, Thailand  
International College, Mahidol University, Thailand

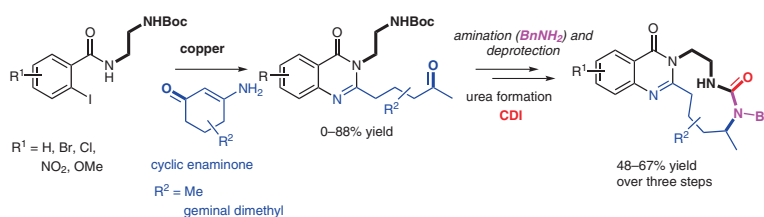
## Pillar[4]arene[1]thioarenes: Synthesis and Host–Guest Binding Properties

J. Yimyaem  
C. Chantana  
S. Boonmee  
J. Jaratjaroonphong\*  
Burapha University, ThailandExpedient Access to Indolyl-Substituted Tri- and Diarylmethanes and ( $\pm$ )-Colletotryptin E by Silica Sulfuric Acid Catalyzed Transindolylation

Synlett 2022, 33, 1371–1376  
DOI: 10.1055/a-1793-1321

Y. Saebang  
J. Kaeobamrung\*  
V. Rukachaisirikul

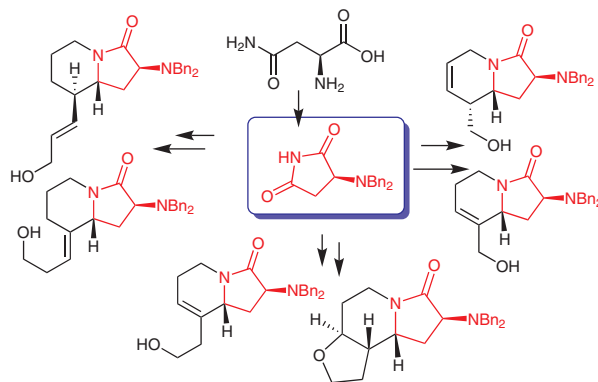
Prince of Songkla University,  
Thailand



Synlett 2022, 33, 1377–1382  
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P. Kuntiyong\*  
N. Inprung  
S. Attanonchai  
W. Kheakwanwong  
P. Bunrod  
S. Akkarasamiyo

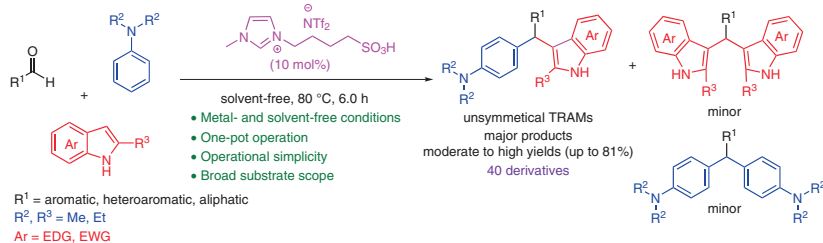
Department of Chemistry, Thai-  
land



Synlett 2022, 33, 1383–1390  
DOI: 10.1055/a-1809-7768

S. Rinkam  
W. Senapak  
S. Watchasit  
R. Saeeng  
U. Sirion\*

Burapha University, Thailand

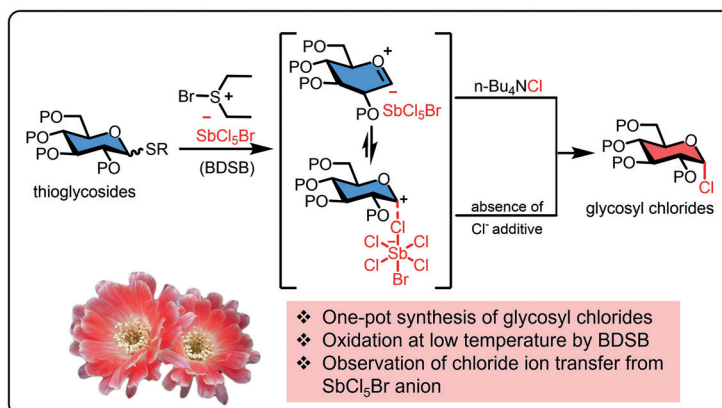


T. Choopawa  
P. Janprasert  
P. Padungros\*Chulalongkorn University,  
Thailand

## One-Pot Synthesis of Glycosyl Chlorides from Thioglycosides Mediated by a Bromodiethylsulfonium Salt as a Mild Oxidant

Cluster

1391

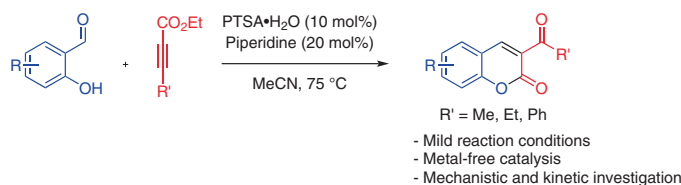
P. Saejong  
S. Somprasong  
C. Rujirasereesakul  
T. Luanphaisarnnont\*

Mahidol University, Thailand

## Direct Synthesis of Coumarin Derivatives from Alkynoic Esters via Dual Organocatalysis

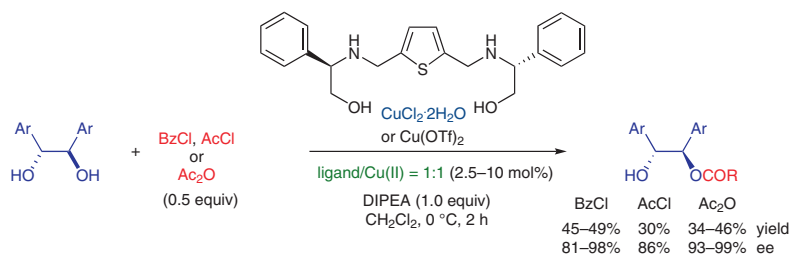
Cluster

1399

W. Mansawat  
P. Yukhet  
W. Bhanthumnavin  
O. Reiser\*  
T. Vilaivan\*Chulalongkorn University,  
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GermanyKinetic Resolution of *dl*-Hydrobenzoins Catalyzed by Copper(II) Complexes of C<sub>2</sub>-Symmetric Thiophene-Derived Ligands

Cluster

1405



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Synlett 2022, 33, 1411–1418  
DOI: 10.1055/a-1784-2513

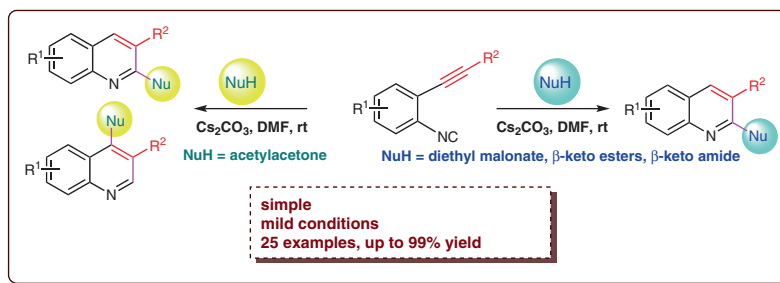
K. La-ongthong  
N. Sawekteeratana  
J. Klaysuk  
D. Soorukram  
P. Leowanawat  
V. Reutrakul  
S. Krobthong  
P. Wongtrakongate  
C. Kuhakarn\*

Mahidol University, Thailand

Cyclization of *o*-Alkynylisocyanobenzenes with 1,3-Dicarbonyl Compounds

Cluster

1411



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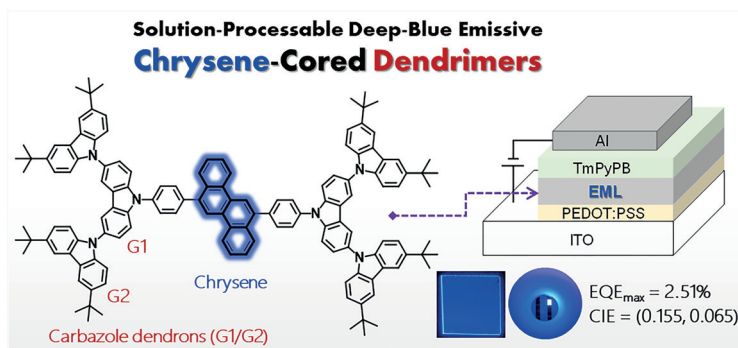
Synlett 2022, 33, 1419–1425  
DOI: 10.1055/a-1771-9389

J. Chatsirisupachai  
T. Sudyoadsuk  
S. Namuangrak  
V. Promarak\*  
Vidyasirimedhi Institute of Science and Technology, Thailand

Chrysene-Cored Fluorescent Dendrimers as Nondoped Deep-Blue Emitters for Solution-Processable Electroluminescent Devices

Cluster

1419



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Synlett 2022, 33, 1426–1430  
DOI: 10.1055/a-1774-7077

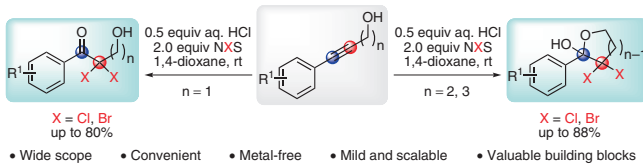
N. Chaisan  
S. Ruengsangtongkul  
C. Thongsornkleeb\*  
J. Tummatorn  
S. Ruchirawat

Center of Excellence on Environmental Health and Toxicology (EHT), OPS, MHESI, Thailand

Dihalooxygenation of Alkynes and Alkynols: Preparation of 2,2-Dihaloketones and *gem*-Dihalolactols

Cluster

1426



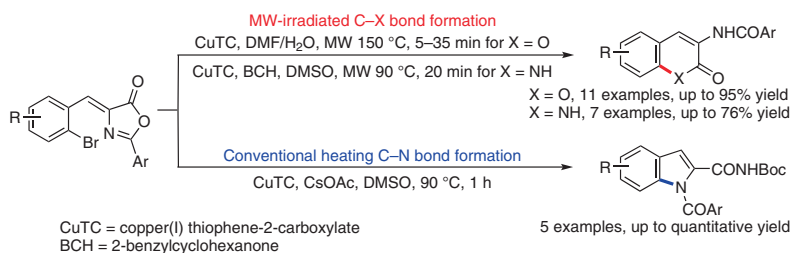


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Synlett 2022, 33, 1431–1437  
DOI: 10.1055/a-1784-1973R. Worayuthakarn  
N. Suddee  
P. Nealmongkol  
S. Ruchirawat  
N. Thasana\*Chulabhorn Research Institute,  
ThailandCopper-Mediated C–O/C–N Bond Formation: A Facile Synthesis of 3-Amidocoumarin, 3-Amidoazacoumarin, and *N*-Arylindole Derivatives

Cluster

1431



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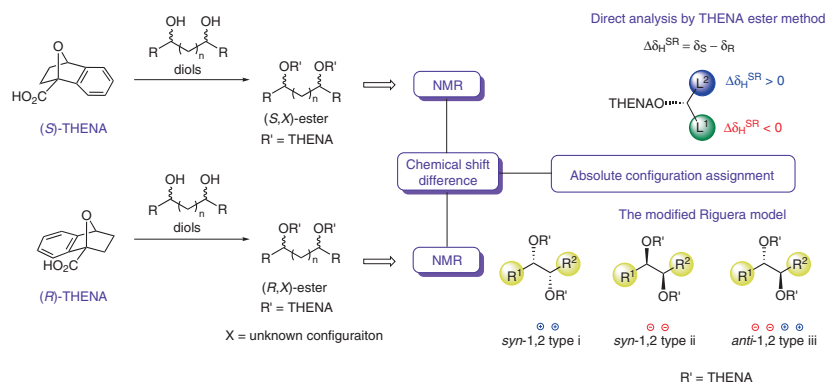
Synthesis 2022, 33, 1438–1442  
DOI: 10.1055/s-0041-1737992K. Dolsophon  
J. Soponpong  
J. Kornsakulkarn  
C. Thongpanchang  
T. Thongpanchang\*

Mahidol University, Thailand

## Methods for Determination of Absolute Configurations of Chiral Diols by THENA Ester and NMR Shift Difference

Cluster

1438



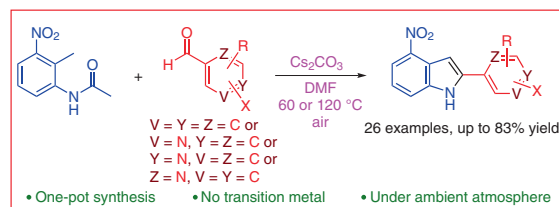
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Synlett 2022, 33, 1443–1447  
DOI: 10.1055/a-1796-9647P. Kraikruan  
I. Rakchaya  
P. Sang-aroon  
N. Chuanopparat  
P. Ngernmeesri\*  
Kasetsart University, Thailand

## One-Pot Synthesis of 2-Arylindole Derivatives under Transition-Metal-Free Conditions

Cluster

1443



## Synlett

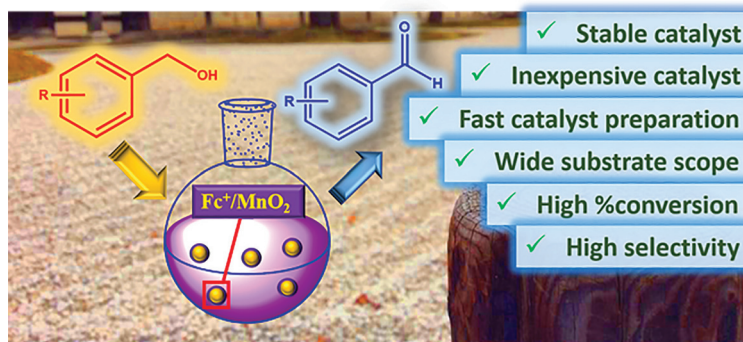
Synlett 2022, 33, 1448–1452  
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P. Chumkao  
T. Poonsawat  
I. Yunita  
N. Temnuch  
T. Meechai  
N. Kumpan  
A. Khamthip  
L. C. Chuaitammakit  
S. Chairam  
E. Somsook  
Mahidol University, Thailand

### Accelerated Decomposition of Potassium Permanganate in Ferrocenium Ion as Ferrocenium-Doped Manganese(IV) Oxide for Selective Oxidation of Alcohols

Cluster

1448



## Synlett

Synlett 2022, 33, 1453–1457  
DOI: 10.1055/a-1845-4195

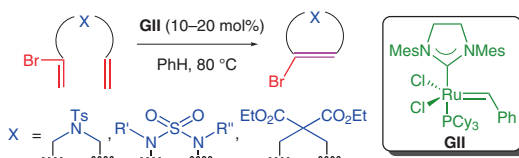
V. Ajavakom\*  
P. Pandokrak  
S. S. Salim  
G. A. Moustafa  
R. K. Bellingham  
J. T. Hill-Cousins  
A. Ajavakom  
R. C. Brown\*

Ramkhamhaeng University,  
Thailand  
University of Southampton, UK

### Formation of Seven-Membered Rings by Ring-Closing Metathesis of Vinyl Bromides

Cluster

1453



## Synlett

Synlett 2022, 33s, 1458–1462  
DOI: 10.1055/s-0040-1719867

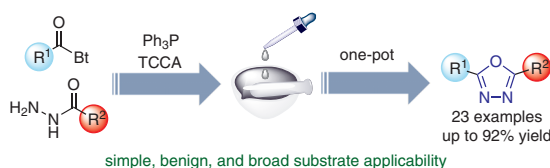
D. Yamano  
N. Wiriya  
W. Phakhodee  
S. Wet-osot  
M. Pattarawarapan\*

Chiang Mai University, Thailand

### Mechanochemical Synthesis of 2,5-Disubstituted 1,3,4-Oxadiazoles Mediated by PPh<sub>3</sub>-TCCA

Cluster

1458



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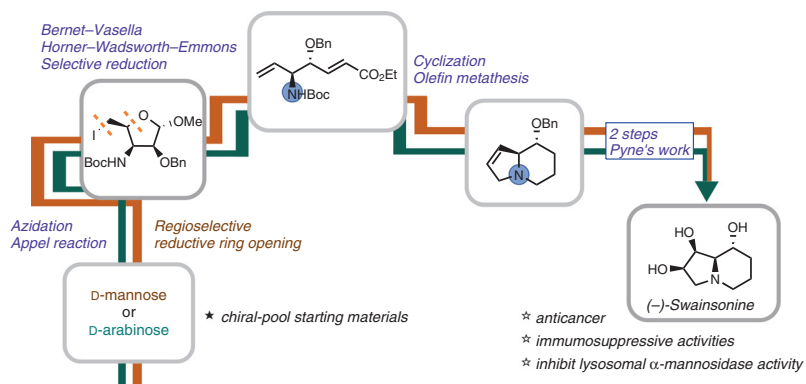
## Asymmetric Formal Synthesis of (–)-Swainsonine from Chiral-Pool Precursors D-Mannose and D-Arabinose

Cluster

1463

Synlett 2022, 33, 1463–1467  
DOI: 10.1055/s-0041-1737335A. Lamor  
S. Uipanit  
S. Yakhampom  
P. Ngernmeesri  
N. Kongkathip  
B. Kongkathip  
N. Chuanopparat\*

Kasetsart University, Thailand



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Direct Synthesis of N-Monosubstituted Benzimidazol-2-ones via  $\text{Ph}_3\text{P-I}_2$ -Mediated Reaction of Hydroxamic Acids

Cluster

1468

Synlett 2022, 33, 1468–1472  
DOI: 10.1055/s-0040-1719897N. Wiriya  
D. Yamano  
S. Hongsibsong  
M. Pattarawarapan  
W. Phakhodee\*

Chiang Mai University, Thailand

