

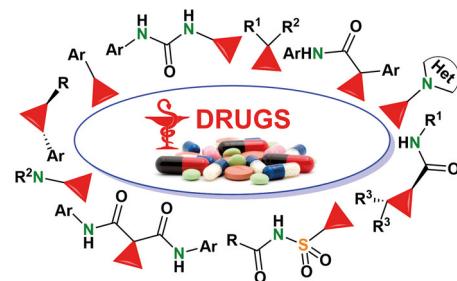
Synthesis

Synthesis 2020, 52, 1315–1345
DOI: 10.1055/s-0039-1690058

Z. Časar*
Lek Pharmaceuticals, d.d., San-
dوز Development Center Slove-
nia, Slovenia

Synthetic Approaches to Contemporary Drugs that Contain the Cyclo- propyl Moiety

Review
1315



Synthesis

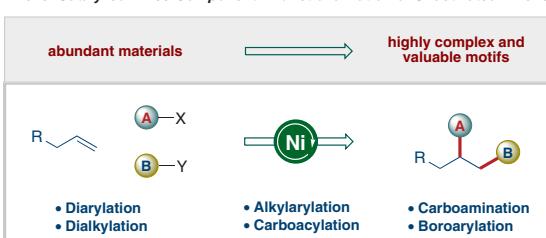
Synthesis 2020, 52, 1346–1356
DOI: 10.1055/s-0039-1690842

H.-Y. Tu
S. Zhu*
F.-L. Qing
L. Chu*
Donghua University,
P. R. of China

Recent Advances in Nickel-Catalyzed Three-Component Difunctionalization of Unactivated Alkenes

Short Review
1346

Nickel-Catalyzed Three-Component Difunctionalization of Unactivated Alkenes



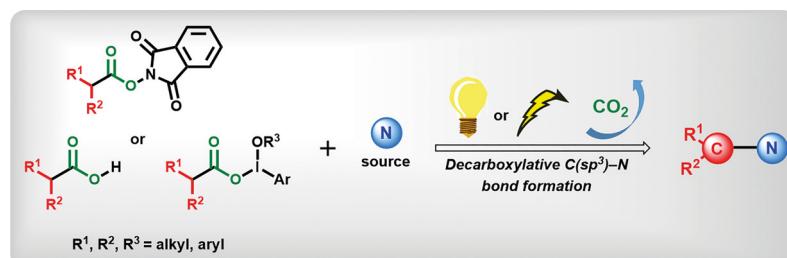
Synthesis

Synthesis 2020, 52, 1357–1368
DOI: 10.1055/s-0039-1690839

Y. Zheng
X. Shao
V. Ramadoss
L. Tian*
Y. Wang*
Nanjing Tech University,
P. R. China

Recent Developments in Photochemical and Electrochemical Decarboxylative C(sp³)–N Bond Formation**Short Review**

1357

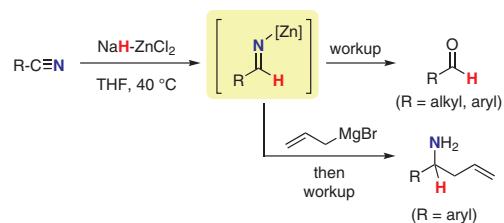
**Synthesis**

Synthesis 2020, 52, 1369–1378
DOI: 10.1055/s-0039-1690838

D. Y. Ong
S. Chiba*
Nanyang Technological University, Singapore

Controlled Reduction of Nitriles by Sodium Hydride and Zinc Chloride**Feature**

1369

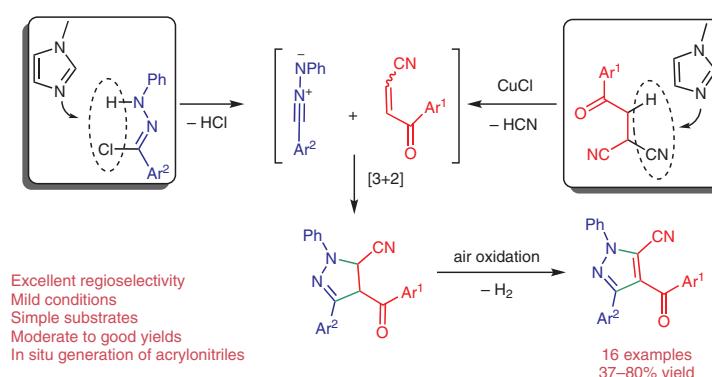
**Synthesis**

Synthesis 2020, 52, 1379–1386
DOI: 10.1055/s-0039-1691591

I. Yavari*
O. Khaledian
Tarbiat Modares University, Iran

Copper-Catalyzed Tandem Dehydrocyanation and [3+2] Cycloaddition Reactions of Phenacylmalononitriles: Regioselective Synthesis of Functionalized 4-Benzoyl-5-cyanopyrazoles under Mild Conditions**Paper**

1379



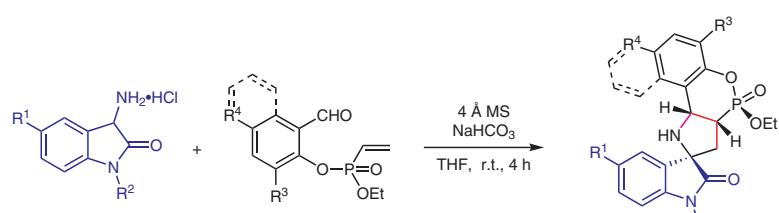
Synthesis

Synthesis 2020, 52, 1387–1397
DOI: 10.1055/s-0039-1691597

T. Huang
L. Liu
Q. Wang
M. Wu*
D. Kong*
Hainan Normal University,
P. R. of China
Hainan Medical University,
P. R. of China

1,3-Dipolar Cycloaddition of 3-Amino Oxindole-Based Azomethine Ylides and O-Vinylphosphonylated Salicylaldehydes for Diastereoselective Synthesis of Oxindole Spiro-P,N-polycyclic Heterocycles

Paper
1387



28 examples, up to 96% yield
Only *cis*-selective intramolecular dipolar cycloaddition
Three new bonds (C–N, 2 C–C), two new P,N-heterocycles
Mild reaction conditions
Potential biological activity of the products

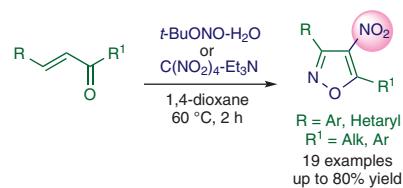
Synthesis

Synthesis 2020, 52, 1398–1406
DOI: 10.1055/s-0039-1690053

D. A. Vasilenko
K. S. Sadovnikov
K. N. Sedenkova
A. V. Kurova
Y. K. Grishin
T. S. Kuznetsova
V. B. Rybakov
Y. A. Volkova
E. B. Averina*
Lomonosov Moscow State University, Russian Federation

Synthesis of 4-Nitroisoxazoles via NO/NO₂-Mediated Heterocyclization of Aryl-Substituted α,β-Unsaturated Ketones

Paper
1398

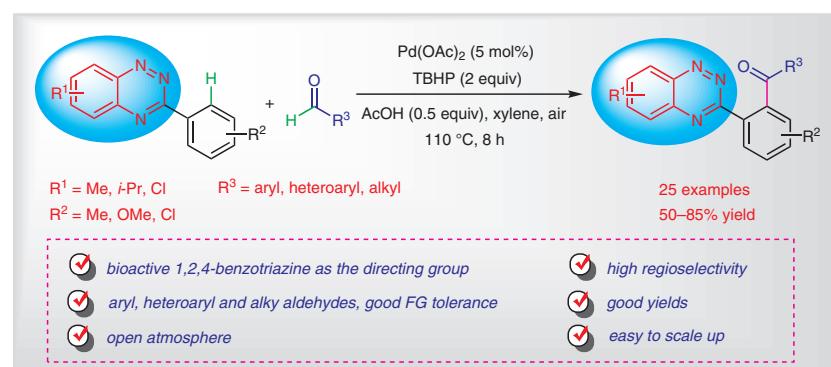
**Synthesis**

Synthesis 2020, 52, 1407–1416
DOI: 10.1055/s-0039-1691564

J. Liu
S. Jin
Y. Zhou
D. Ni
T. Liu
B. Cui*
G. Hu
X. Yu
G. Huang*
Hubei Polytechnic University,
P. R. of China
Lanzhou University,
P. R. of China

Palladium-Catalyzed *ortho*-Monoacetylation of Arenes with Aldehydes via 1,2,4-Benzotriazine-Directed C–H Bond Activation

Paper
1407



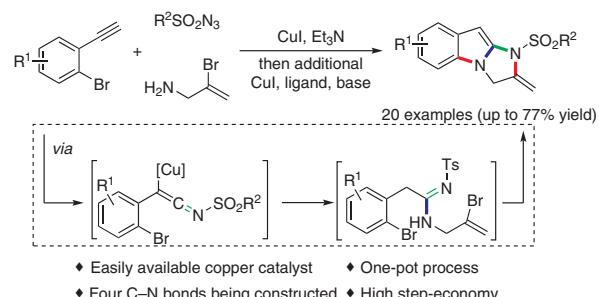
Synthesis

Synthesis 2020, 52, 1417–1424
DOI: 10.1055/s-0037-1610739

H. Jin
D. Liu
B. Zhou*
Y. Liu*
Zhejiang University of Technology, China

One-Pot Copper-Catalyzed Three-Component Reaction of Sulfonyl Azides, Alkynes, and Allylamines To Access 2,3-Dihydro-1*H*-imidazo[1,2-*a*]indoles

Paper
1417

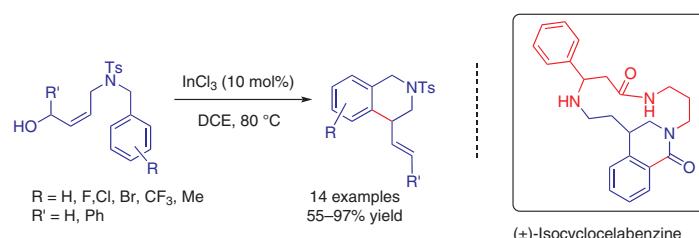
**Synthesis**

Synthesis 2020, 52, 1425–1434
DOI: 10.1055/s-0037-1610750

N. R. Devi
S. Shit
B. K. Behera
A. K. Saikia*
Indian Institute of Technology Guwahati, India

Synthesis of 4-Vinyl-1,2,3,4-tetrahydroisoquinoline from *N*-Tethered Benzyl-Alkenol Catalyzed by Indium(III) Chloride: Formal Synthesis of (±)-Isocyclocelabenzine

Paper
1425

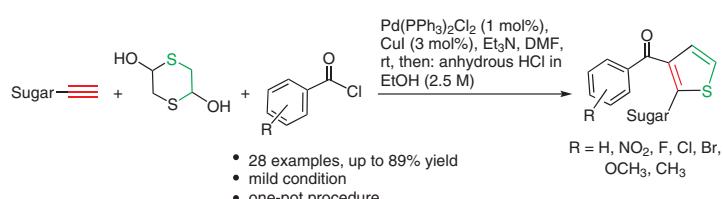
**Synthesis**

Synthesis 2020, 52, 1435–1443
DOI: 10.1055/s-0039-1690808

Y. Luo
F. Gao
H. Liu*
F. Zhang*
Y. Zhao
Zhengzhou University, P. R. of China

Facile Synthesis of Novel Benzoylthiophene C-Nucleoside Analogues via Coupling of Sugar Alkynes, Aroyl Chlorides, and 1,4-Dithiane-2,5-diol

Paper
1435



K. R. Kiran
T. R. Swaroop*
N. Rajeev
S. M. Anil
K. S. Rangappa*
M. P. Sadashiva*
 University of Mysore, India

