

Synthesis

Synthesis 2019, 51, 1491–1515
DOI: 10.1055/s-0037-1611715

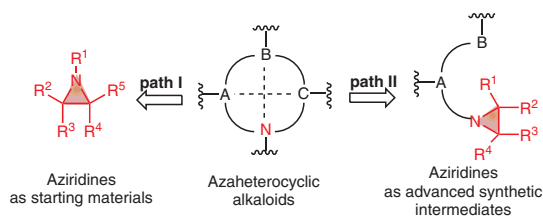
L. Macha
M. D'hooghe*
H.-J. Ha*

Hankuk University of Foreign
Studies, South Korea
Ghent University, Belgium

Deployment of Aziridines for the Synthesis of Alkaloids and Their Derivatives

Review

1491



Synthesis

Synthesis 2019, 51, 1516–1528
DOI: 10.1055/s-0037-1611714

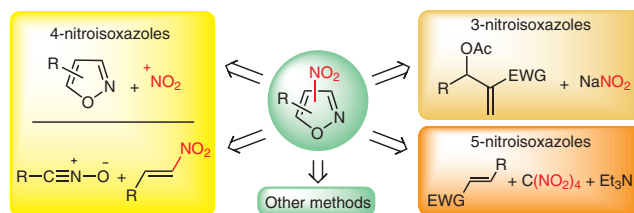
D. A. Vasilenko
K. N. Sedenkova
T. S. Kuznetsova
E. B. Averina*

Lomonosov Moscow State Uni-
versity, Russian Federation

Synthetic Approaches to Nitro-Substituted Isoxazoles

Short Review

1516



Synthesis

Synthesis 2019, 51, 1529–1544
DOI: 10.1055/s-0037-1612123

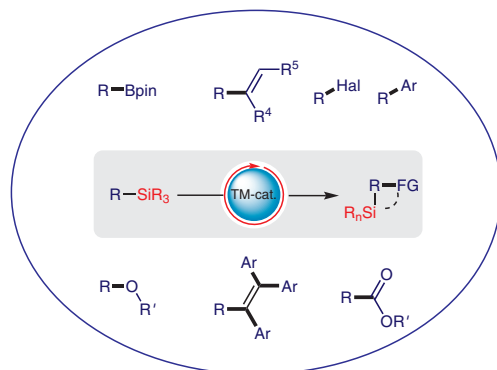
M. Usman
X.-W. Zhang
W.-B. Liu*

Wuhan University, P. R. of China

Silicon-Tethered Frameworks as Directing Groups for Carbon–Carbon and Carbon–Heteroatom Bond Formation

Short Review

1529



Synthesis

Synthesis 2019, 51, 1545–1560
DOI: 10.1055/s-0037-1611708

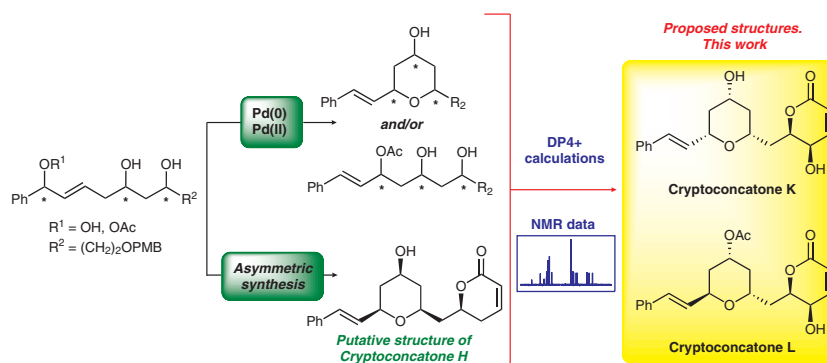
F. Della-Felice
F. F. de Assis
A. M. Sarotti
R. A. Pilli*

University of Campinas, Brazil

Palladium-Catalyzed Formation of Substituted Tetrahydropyrans: Mechanistic Insights and Structural Revision of Natural Products

Feature

1545



Synthesis

Synthesis 2019, 51, 1561–1564
DOI: 10.1055/s-0037-1610356

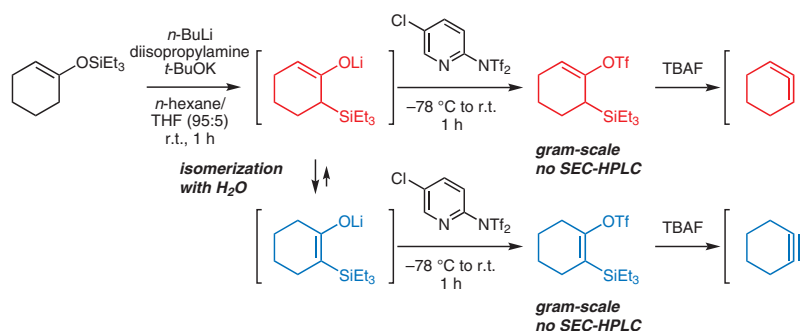
R. Nakura
K. Inoue
K. Okano*
A. Mori

Kobe University, Japan

Practical Synthesis of Precursors of Cyclohexyne and 1,2-Cyclohexadiene

PSP

1561



Synthesis

Synthesis 2019, 51, 1565–1577
DOI: 10.1055/s-0037-1611356

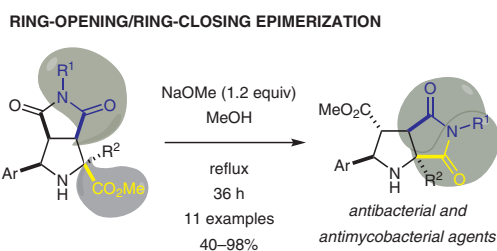
S. Belveren
O. Larrañaga
S. Poyraz
H. A. Dondas*
M. Ülger
E. Şahin
M. Ferrándiz-Saperas
J. M. Sansano*
M. de Gracia Retamosa
A. de Cózar

Mersin University, Turkey
Universidad de Alicante, Spain

From Bioactive Pyrrolidino[3,4-c]pyrrolidines to more Bioactive Pyrrolidino[3,4-b]pyrrolidines via Ring-Opening/Ring-Closing Promoted by Sodium Methoxide

Paper

1565



Synthesis

Synthesis 2019, 51, 1578–1584
DOI: 10.1055/s-0037-1611700

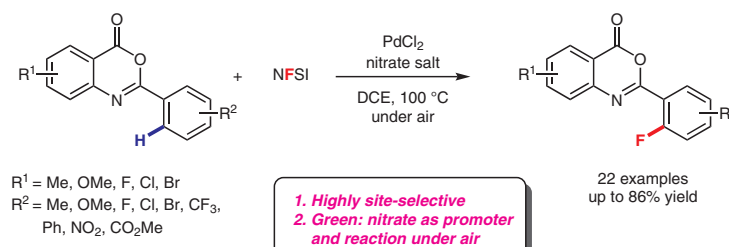
H.-M. Vu
X.-Q. Li*
F.-W. Chen

University of Science and Technology Beijing, P.R. of China

Palladium-Catalyzed C–H Bond Monofluorination of 2-Arylbenzo[d]oxazinone Using Nitrate as Crucial Promoter

Paper

1578



Synthesis

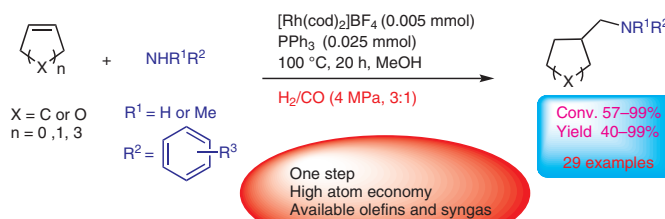
Synthesis 2019, 51, 1585–1594
DOI: 10.1055/s-0037-1610681

Z. Zheng
L. Wang*
Lanzhou Institute of Chemical Physics, P. R. of China

One-Pot Synthesis of N-Arylated Amines by Hydroaminomethylation of 2,5-Dihydrofuran with Aromatic Amines

Paper

1585



Synthesis

Synthesis 2019, 51, 1595–1602
DOI: 10.1055/s-0037-1610355

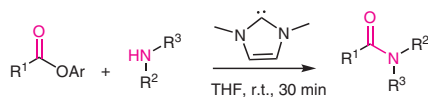
L.-Y. Chen*
M.-F. Wu

Shanghai University of Engineering
Science, China

An Efficient Catalytic Amidation of Esters Promoted by N-Heterocyclic Carbenes

Paper

1595



primary and secondary amines compatible
28 examples, 60–97% yield

Synthesis

Synthesis 2019, 51, 1603–1610
DOI: 10.1055/s-0037-1609636

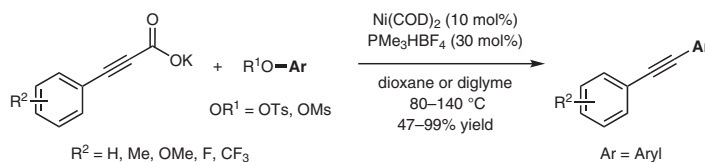
A. Howard
S. Klemann
S. Kolling
K. Little
E. Plasek
D. Kalyani*

St. Olaf College, USA

Nickel-Catalyzed Decarboxylative Coupling of Alkynyl Carboxylates with Aryl Tosylates and Mesylates

Paper

1603



R² = H, Me, OMe, F, CF₃

Ar = Aryl

47–99% yield

Synthesis

Synthesis 2019, 51, 1611–1622
DOI: 10.1055/s-0037-1610673

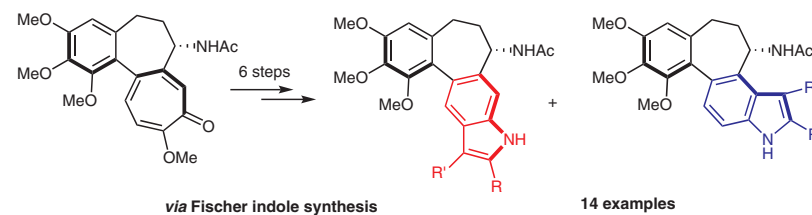
E. S. Shchegravina
E. V. Svirshchenskaya
H.-G. Schmalz
A. Yu. Fedorov*

Nizhny Novgorod State University,
Russian Federation

A Facile Synthetic Approach to Nonracemic Substituted Pyrroloalcolchicinoids Starting from Natural Colchicine

Paper

1611



via Fischer indole synthesis

14 examples

Synthesis

Synthesis **2019**, *51*, 1623–1632
DOI: 10.1055/s-0037-1611344

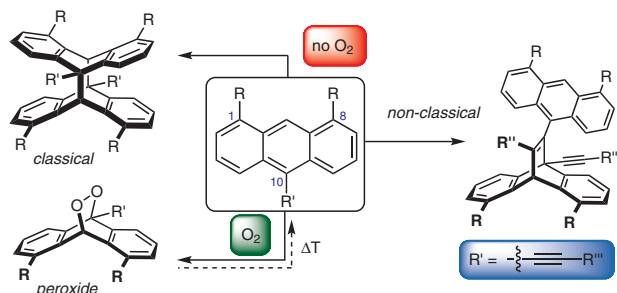
P. Niermeier
J.-H. Lamm
J.-H. Peters
B. Neumann
H.-G. Stammer
N. W. Mitzel*

Universität Bielefeld, Germany

1,8,10-Substituted Anthracenes – Hexafunctional Frameworks via Head-to-Tail Photodimerisation

Paper

1623



Synthesis

Synthesis **2019**, *51*, 1633–1642
DOI: 10.1055/s-0037-1611367

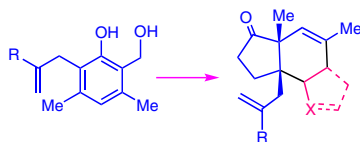
R. Sahu
V. Singh*

Indian Institute of Technology
Bombay, Mumbai, India

Oxidative Dearomatization and Sigmatropic 1,3-Acyl Shift in Excited State: Aromatics to Embellished *cis*-Hydrindanes

Paper

1633



Synthesis

Synthesis **2019**, *51*, 1643–1648
DOI: 10.1055/s-0037-1610674

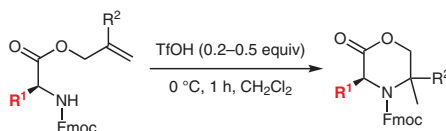
A. Hadi Aldmairi
D. W. Knight*
T. Wirth*

Cardiff University, UK

Morpholin-2-one Derivatives via Intramolecular Acid-Catalyzed Hydroamination

Paper

1643



Synthesis

Synthesis 2019, 51, 1649–1654
DOI: 10.1055/s-0037-1611938

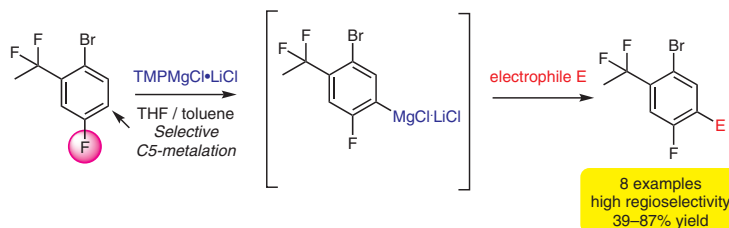
M. Baenziger*
S. Eswaran
Y. Jiang
G. Kasinathan

Novartis Pharma AG, Switzerland

Selective *ortho*-Metalation of a Fluoroarene with Knochel–Hauser Base and Reactions with Various Electrophiles

Paper

1649



Synthesis

Synthesis 2019, 51, 1655–1661
DOI: 10.1055/s-0037-1611355

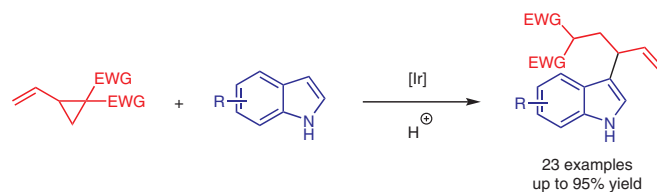
L. Yu
Z.-Q. Zhu
M. Sun
G.-J. Mei*
F. Shi*

Jiangsu Normal University,
P. R. of China

C3-Allylation of Indoles via an Iridium-Catalyzed Branch-Selective Ring-Opening Reaction of Vinylcyclopropanes

Paper

1655



Synthesis

Synthesis 2019, 51, 1662–1668
DOI: 10.1055/s-0037-1611945

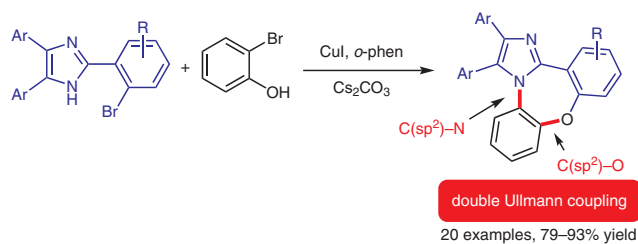
X.-Y. Chen
Z.-H. Li
J.-Q. Liu*
X.-S. Wang*

Jiangsu Normal University,
P. R. of China

Copper-Catalyzed Synthesis of Dibenzo[*b,f*]imidazo[1,2-*d*][1,4]oxazine Derivatives via a Double Ullmann Coupling Reaction

Paper

1662



Synthesis

Synthesis 2019, 51, 1669–1679
DOI: 10.1055/s-0037-1610676

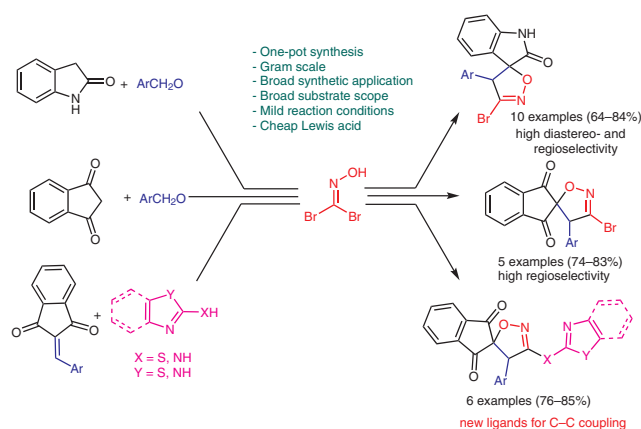
H. Yazdani
A. Bazgir*

Shahid Beheshti University G.C.,
Iran

Lewis Acid Catalyzed Regio- and Diastereoselective Synthesis of Spiroisoxazolines via One-Pot Sequential Knoevenagel Condensation/1,3-Dipolar Cycloaddition Reaction

Paper

1669



Synthesis

Synthesis 2019, 51, 1680–1688
DOI: 10.1055/s-0037-1610675

S. Mirzaei
S. Rajai-Daryasarei
M. Soheilzad
R. Kabiri
S. Ansari
M. Shabaniyan
R. Pashazadeh*

SOHA Pharmaceutical Company,
Iran

Palladium-Catalyzed Carbonylation of Coumarin C(sp²)-H Bonds: A New Entry to Arylcoumarin Ketones

Paper

1680

