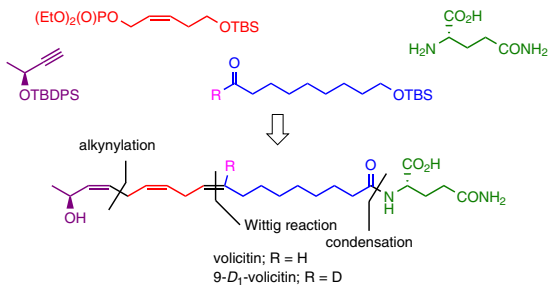
Synlett

Accounts and Rapid Communications in Chemical Synthesis

August 15, 2024 • Vol. 35, 1465–1600



Stereoselective Synthesis of Volicitin and 9-D_1-Volicitin

S. Mamada, K. Niwa, S. Toyoshima, Y. Seto, N. Ogawa

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Accounts and
Rapid Communications
in Chemical Synthesis

2024
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August

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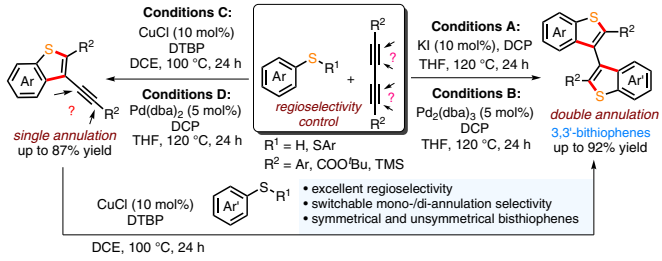
Construction of Bibenzothiophenes through Oxidative C–H Cyclization with 1,3-Diynes

Synlett **2024**, *35*, 1465–1470
DOI: 10.1055/s-0042-1751514

J. Chen
T. Lei
D. Wan
Y. Yang*
Sichuan University, P. R. of China



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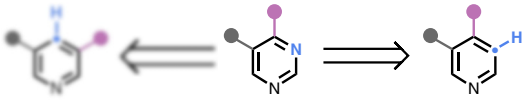
Retrosynthetic Simplicity

Synlett **2024**, *35*, 1471–1474
DOI: 10.1055/s-0043-1763623

M. D. Levin*
University of Chicago, USA



some disconnections are easier to see

Synlett

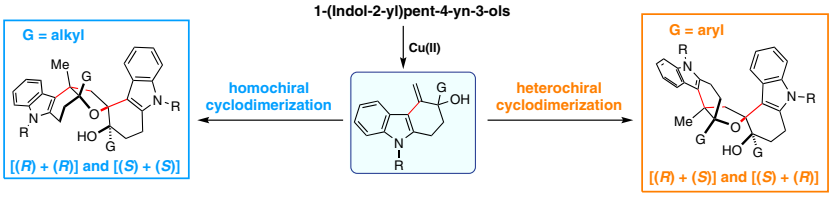
Synlett **2024**, *35*, 1475–1479
DOI: 10.1055/a-2192-9235

B. Baire*
S. Mishra
D. Roy
Indian Institute of Technology
Madras, India

Chiral Cyclodimerization Reactions: Construction of Nonnatural Dimeric Carbazoles from (±)-4-Methylene-3-hydroxytetrahydrocarbazoles

Synpacts

1475



Synlett

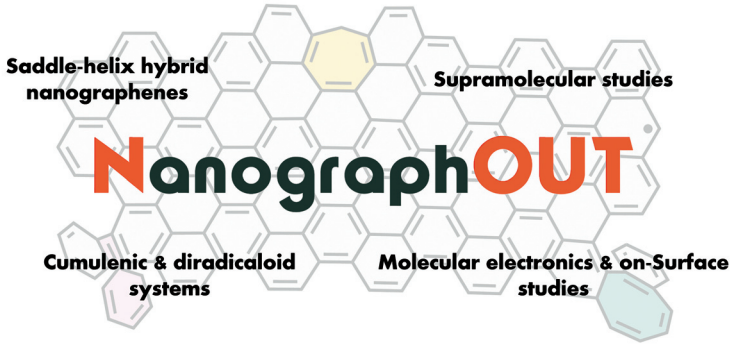
Synlett **2024**, *35*, 1480–1487
DOI: 10.1055/a-2165-6497

C. M. Cruz
A. G. Campaña*
University of Granada, Spain

Nanographenes Out of Planarity

Account

1480



Synlett

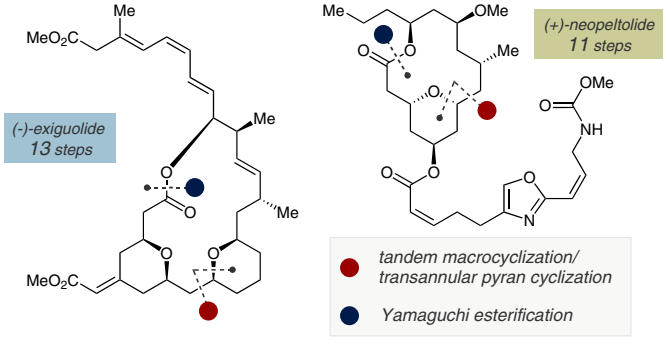
Synlett **2024**, *35*, 1488–1499
DOI: 10.1055/a-2181-9876

H. Fuwa*
Chuo University, Japan.

Total Synthesis of Marine Macrolide Natural Products by the Macrocyclization/Transannular Pyran Cyclization Strategy

Account

1488



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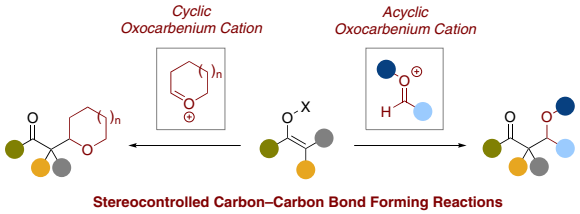
Synlett **2024**, *35*, 1500–1529
DOI: 10.1055/a-2184-5115

O. Galeote
S. C. D. Kennington
M. Mellado-Hidalgo
A. M. Costa*
P. Romea*
F. Urpí*
Universitat de Barcelona, Spain

Stereocontrolled Aldol-Like Reactions Involving Oxocarbenium Intermediates

Account

1500



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Synlett **2024**, *35*, 1530–1539
DOI: 10.1055/a-2187-0455

S. Martínez
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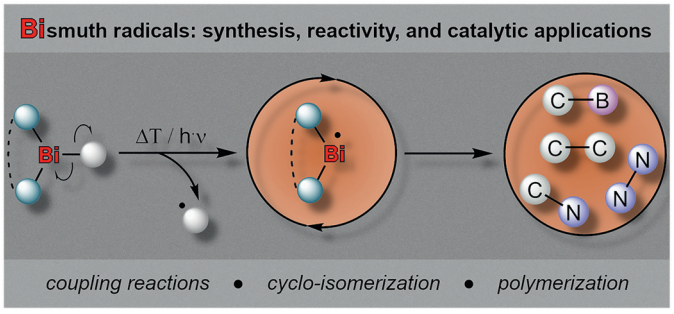
Philipps-Universität Marburg, Germany

Bismuth-Centered Radical Species: Access and Applications in Organic Synthesis

Account

1530



Synlett

Synlett **2024**, *35*, 1540–1544
DOI: 10.1055/a-2215-1320

H. J. Lee
J. Gladfelder
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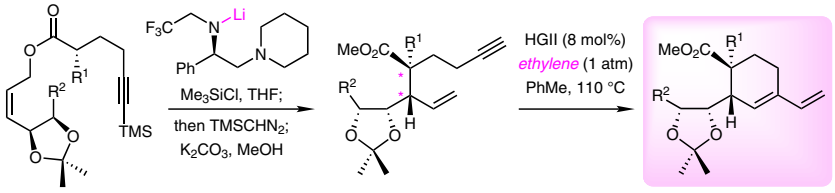
A. Zakarian*
University of California, Santa Barbara, USA

Consecutive Ireland–Claisen Enyne-Metathesis Strategy Enables Rapid Assembly of Cyclic Imine Core Cyclohexene Motif

Letter

1540



• high diastereoselectivity • rapidly builds complexity • key cyclic imine core scaffold

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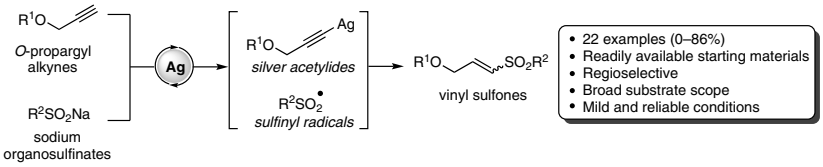
Silver Nitrate Catalyzed Sulfonylation of *O*-Propargyl Alkynes

Letter

1545

Synlett **2024**, *35*, 1545–1550
DOI: 10.1055/a-2205-5806

B. G. Sátiro
I. M. R. Moura
C. L. A. Almeida
Q. P. B. Freitas
R. A. Oliveira
P. H. Menezes*
Universidade Federal de Pernambuco, Brazil



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$PhI(OAc)_2$-Promoted Regioselective Cycloaddition of *N*-Aminopyridinium Ylides with Electron-Deficient Alkenes

Letter

1551

Synlett **2024**, *35*, 1551–1556
DOI: 10.1055/a-2216-4594

J. Wang
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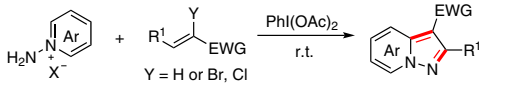
C. Shi
Q. Xie
G. Gao
Y. Li
H. Du
X. Cai
H. Li*
B. Huang*
Guizhou Minzu University, P. R. of China
Beijing Normal University, P. R. of China



- efficient and regioselective
- facile conditions and operation
- easy scale-up
- wide scope of pyridiniumylides and alkenes

Synlett

Base-Promoted [3+2] Annulation of Carbodiimides with Diazoacetonitrile for Synthesis of 5-Amino-4-cyano-1,2,3-triazoles

Letter

1557

Synlett **2024**, *35*, 1557–1560
DOI: 10.1055/a-2216-4765

L.-N. Zhou
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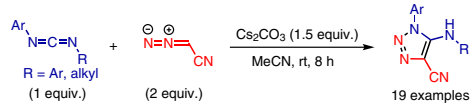
C. W. Cheung*
J.-A. Ma*
Tianjin University, P. R. of China
Joint School of National University of Singapore and Tianjin University, P. R. of China



- Unprecedented amino- & cyano-triazoles
- Good substrate scope
- Operationally simple
- Derivatizations

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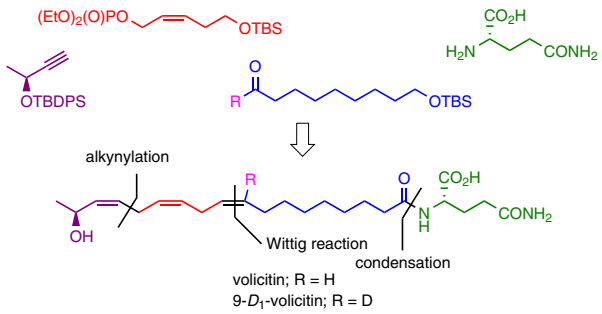
Stereoselective Synthesis of Volicitin and 9-D_1-Volicitin

Letter

1561

Synlett **2024**, *35*, 1561–1564
DOI: 10.1055/s-0042-1751547

S. Mamada
K. Niwa
S. Toyoshima
Y. Seto
N. Ogawa*
Meiji University, Japan



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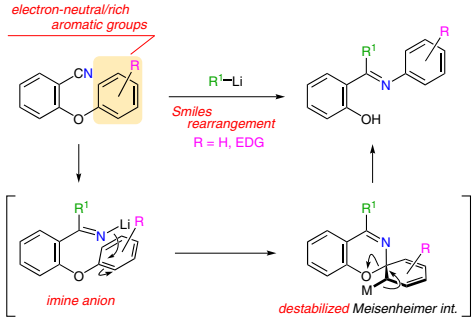
Letter

1565

Update of the Imine-Anion-Mediated Smiles Rearrangement: Application to Migration of Electron-Neutral/Rich Aromatic Groups

Synlett **2024**, *35*, 1565–1568
DOI: 10.1055/a-2219-5767

S. Jinno
T. Kawasaki-Takasuka
K. Mori*
Tokyo University of Agriculture and Technology, Japan



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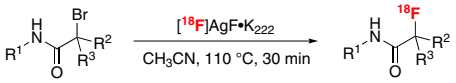
Letter

1569

Radiosynthesis of α-[^{18}F]Fluoroamides with [^{18}F]AgF

Synlett **2024**, *35*, 1569–1571
DOI: 10.1055/s-0041-1738458

K. Gong
Z. Yin
P. Song
B. Xu*
J. Han*
Fudan University, P. R. of China
Donghua University, P. R. of China



Convenient method for amide radiolabeling
Good functional group tolerance
Good RCC and RCY

Synlett

Synlett **2024**, *35*, 1572–1576
DOI: 10.1055/a-2216-4882

M. Han
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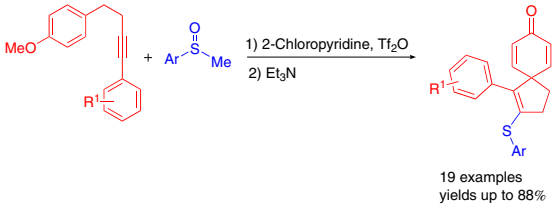
Beijing University of Chemical Technology, P. R. of China

Sulfur-Mediated *ipso*-Cyclization of 4-(*p*-Methoxyaryl)alk-1-ynes Leading to 3-Thiospiro[4.5]deca-1,6,9-trien-8-ones



Synlett

Synlett **2024**, *35*, 1577–1583
DOI: 10.1055/s-0042-1751537

B. Kaur
M. Kaur
P. Singh
E. Sharma
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A. Kaur
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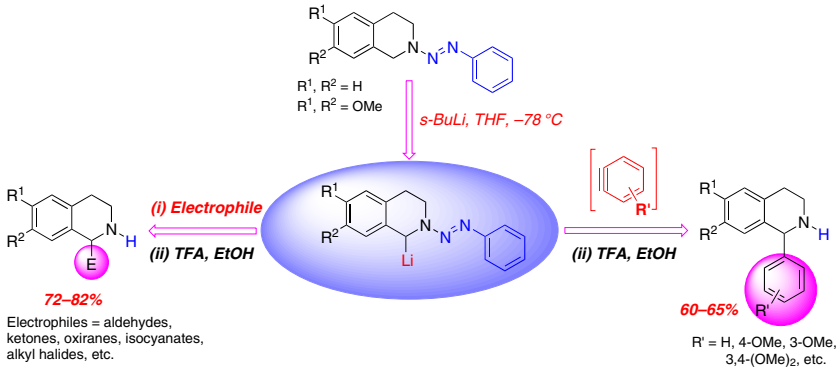
Evaluation of Phenyldiazenyl as a Protective/Activating Group in Lithiation–Substitution Reactions of Tetrahydroisoquinolines



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Synlett **2024**, *35*, 1584–1590
DOI: 10.1055/s-0043-1763637

Z. Xia
C. Li
M. Luo
S. Gu
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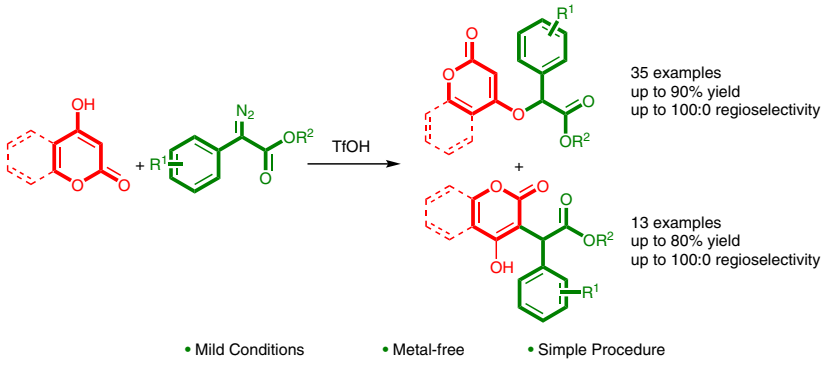
Key Laboratory of Green Chemical Engineering Process of Ministry of Education, P. R. of China

Substrate-Controlled Regioselective Alkylation of 4-Hydroxycoumarin with Diazo Compounds through TfOH Catalysis



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Synlett **2024**, *35*, 1591–1595
DOI: 10.1055/a-2206-7545

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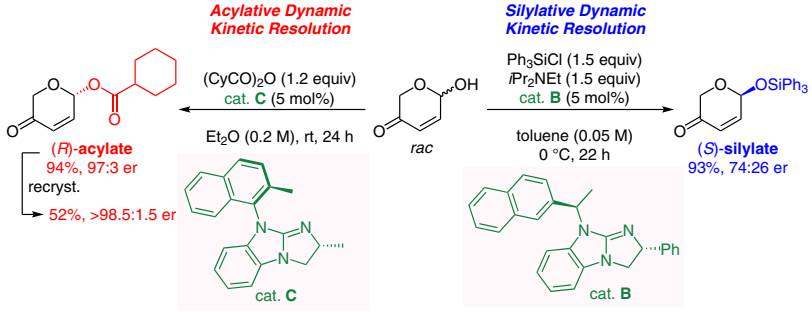
Acylative and Silylative Dynamic Kinetic Resolutions of 6-Hydroxy-2*H*-pyran-3(6*H*)-one Catalyzed by Chiral Guanidines

Letter



Synlett

Synlett **2024**, *35*, 1596–1600
DOI: 10.1055/a-2221-9502

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Synthesis of the C1–C13 Segment of Poecillastrin C

Letter