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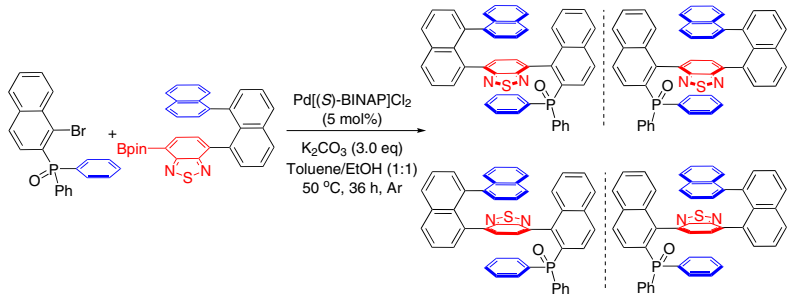
Accounts and Rapid Communications in Chemical Synthesis

January 24, 2023 • Vol. 34, 93–192



Enantio- and diastereoselective asymmetric catalysis leading to the formation of multi-layer 3D folding chirality with up to *dr* >20:1 and *er* 99:1

Enantio- and Diastereoselective Assembly of Multi-Layer Folding Chiral Targets via Asymmetric Catalytic Single C–C Bond Formation

Y. Liu, H. Rouh, Y. Tang, G. Wu, Q. Yuan, S. Zhang, J.-Y. Wang, S. Jin, T. Xu, Y. Wang, J. Pan, D. Unruh, G. Li

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2023
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Synlett **2023**, *34*, 93–100
DOI: 10.1055/s-0042-1751390

S.-M. Jia
Y.-H. Huang
F. Wang*
Nankai University, P. R. of China

Aminium-Radical-Mediated Intermolecular Hydroamination of Nonactivated Olefins

Synpacts

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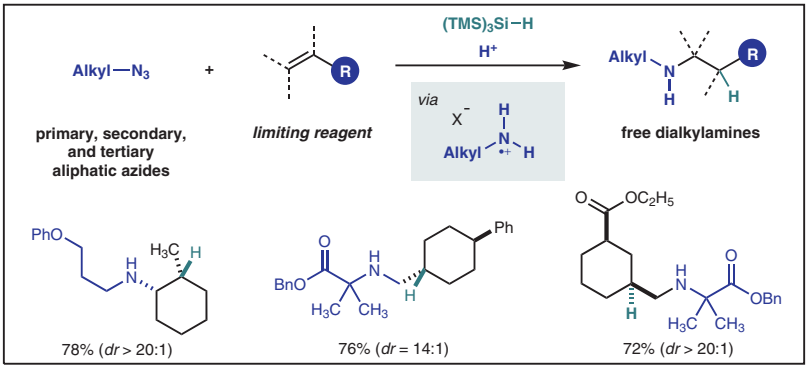

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Synlett **2023**, *34*, 101–105
DOI: 10.1055/a-1934-1254

D. Antoniak
M. Barbasiewicz*
University of Warsaw, Poland

Reactions of Nitroarenes with Corey–Chaykovsky Reagents

Synpacts

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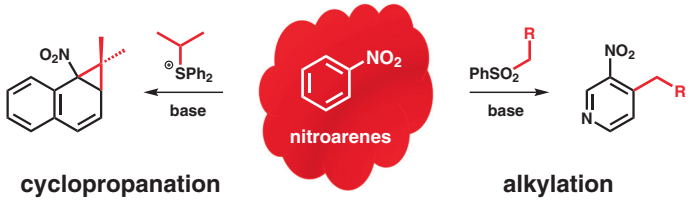

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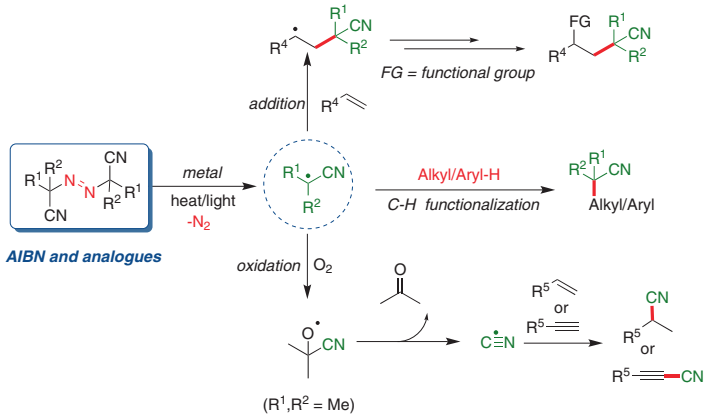
Synlett **2023**, *34*, 106–123
DOI: 10.1055/a-1965-3028

H. Zhou
Y.-L. Liu
S. Tang*
Jishou University, P. R. of China

Recent Advances on Radical-Mediated Cyanoalkylation/Cyanation using AIBN and Analogues as the Radical Sources

Account



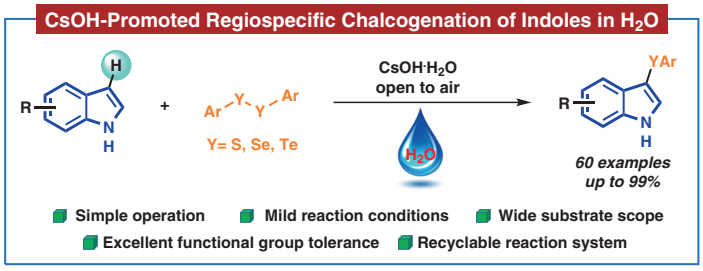
Synlett

Synlett **2023**, *34*, 124–132
DOI: 10.1055/a-1879-2521

S. Xu
R. Yi
C. Zeng
Y. Cui
X.-Q. Wang*
X. Xu
N. Li*
Hunan University, P. R. of China
Shanxi Medical University, P. R. of China

CsOH-Promoted Regiospecific Sulfenylation, Selenylation, and Tellura-tion of Indoles in H_2O

Cluster



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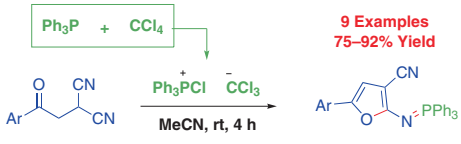
Synlett **2023**, *34*, 133–136
DOI: 10.1055/s-0041-1738427

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

A Synthesis of Furan-2-iminophosphoranes under Appel-Type Reaction Conditions

Letter



Ar = Ph, *p*-FC_6H_4, *p*-ClC_6H_4, *p*-BrC_6H_4, *p*-MeC_6H_4, *p*-$MeOC_6H_4$, *m*-BrC_6H_4, *o*-BrC_6H_4, *o*-ClC_6H_4

One-pot reaction, Ambient conditions, Practical workup

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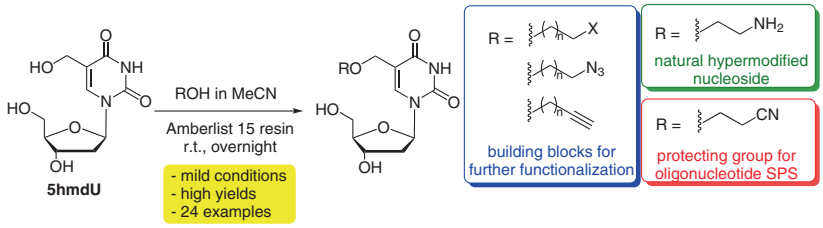
Synlett **2023**, *34*, 137–142
DOI: 10.1055/a-1961-7251

D. Liu
O. Monfret
Y. Bourdreux
D. Urban
D. Guianvarc'h*
G. Doisneau*
Université Paris-Saclay, France

Fast Access to 5-Hydroxymethyl Derivatives of 2′-Deoxyuridine Promoted by Acidic Amberlyst 15 Resin

Letter

137



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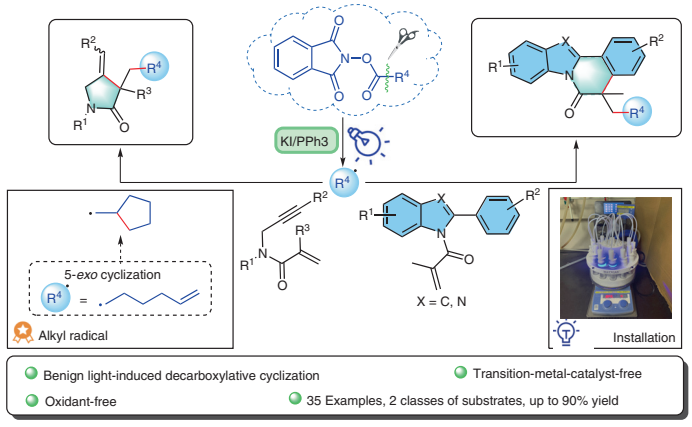
Synlett **2023**, *34*, 143–148
DOI: 10.1055/a-1946-7691

J. Zhang
J.-Z. Li
L.-T. Wang
X.-C. Yu
J.-H. Zhang
G.-P. Ge*
H. Liu*
W.-T. Wei*
Ningbo University, P. R. of China
Wenzhou University, P. R. of China

Photocatalytic Decarboxylative Cyclization of 1,6-Enynes and *N*-Methacryloyl-2-phenylbenzimidazoles by Potassium Iodide/ Triphenylphosphine Catalysis

Letter

143



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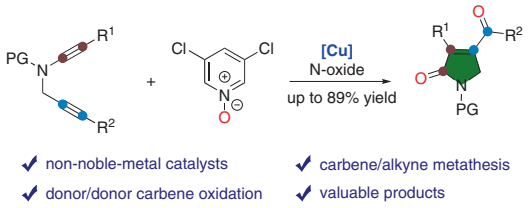
Synlett **2023**, *34*, 149–152
DOI: 10.1055/a-1957-4104

T.-T. Zhang
K.-F. Wei
G.-X. Ru
X.-H. Zhu
L.-X. Xie*
W.-B. Shen*
Henan Agricultural University, P. R. of China

Rapid Access to Functionalized γ-Lactams through Copper-Catalyzed Oxidative Cyclization of Diynes

Letter

149



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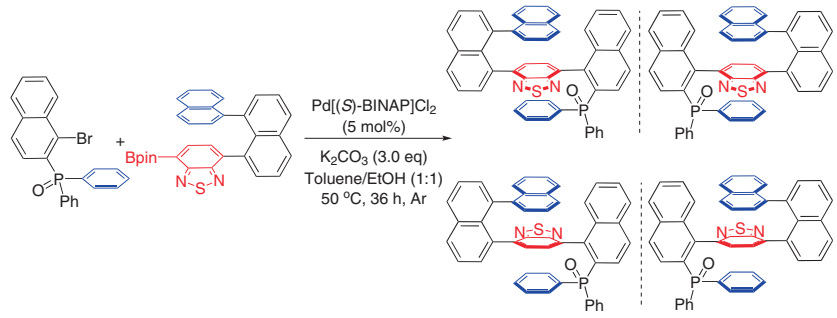
Synlett **2023**, *34*, 153–158
DOI: 10.1055/a-1967-1073

Y. Liu
H. Rouh
Y. Tang
G. Wu
Q. Yuan
S. Zhang
J.-Y. Wang
S. Jin
T. Xu
Y. Wang
J. Pan
D. Unruh
G. Li*

Texas Tech University, USA

Enantio- and Diastereoselective Assembly of Multi-Layer Folding Chiral Targets via Asymmetric Catalytic Single C–C Bond Formation

Letter



Enantio- and diastereoselective asymmetric catalysis leading to the formation of multi-layer 3D folding chirality with up to *dr* >20:1 and *er* 99:1

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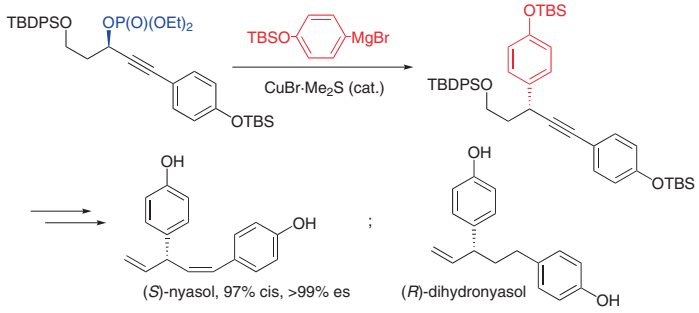
Synlett **2023**, *34*, 159–162
DOI: 10.1055/a-1968-2684

Y. Kobayashi*
T. Hirotsu

Tokyo Institute of Technology, Japan

Synthesis of (*S*)-Nyasol through a Copper-Catalyzed Propargylic Substitution

Letter



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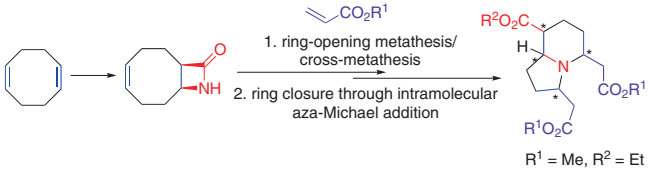
Synlett **2023**, *34*, 163–167
DOI: 10.1055/s-0042-1751388

M. Nonn
J. Escorihuela
L. Kiss*

Research Centre for Natural Sciences, Hungary

A de novo Stereocontrolled Synthetic Approach to a Functionalized Indolizidine Core

Letter



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Synlett **2023**, *34*, 168–172
DOI: 10.1055/a-1951-1985

A Novel Synthesis of 5*E*-Isomer-Free Carboprost Methyl Ester

Letter

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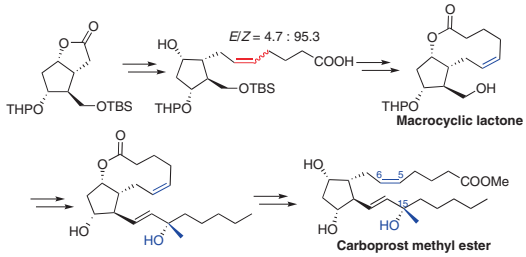
F. Wang
M. Wang*
Shanghai Chemvon Biotechnology Company (Limited), P. R. of China



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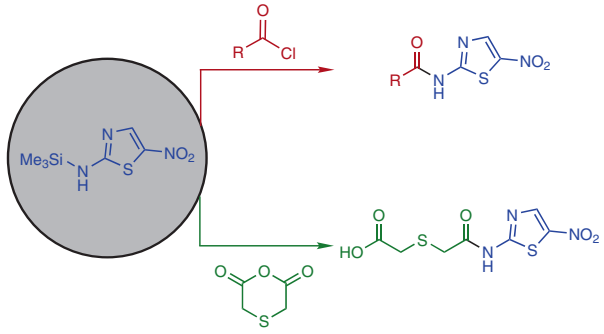
Synlett **2023**, *34*, 173–175
DOI: 10.1055/s-0042-1752343

N-(Trimethylsilyl)-2-amino-5-nitrothiazole: An Efficient Reagent for the Direct Synthesis of 2-Amino-5-nitrothiazole-Based Antimicrobial Agents

Letter

173

H. N. Koenig
A. R. Demeritte
T. Livinghouse*
G. P. Nelson
Montana State University, USA



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Synlett **2023**, *34*, 176–182
DOI: 10.1055/a-1929-2515

Metal-Free Synthesis of Thiocyanated Aminonitroalkenes and 2-Aminothiazoles/selenazoles from β-Aminonitroalkenes and *N*-Thio/Selenocyanatosaccharin

Letter

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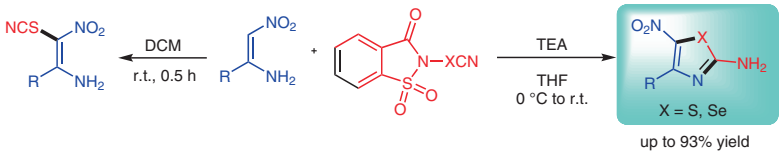
H. Yang
Y. Chen
X. Xu
Z. Li*
East China University of Science and Technology, P. R. of China



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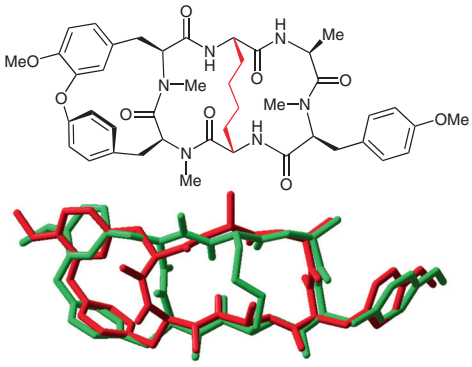
Synlett **2023**, *34*, 183–187
DOI: 10.1055/a-1960-4340

Y. Hitotsuyanagi*
T.-a. Hinosawa
Y. Nakagawa
S. Ito
J.-E. Lee
T. Hasuda
Tokyo University of Pharmacy and Life Sciences, Japan

Bridged Peptide Analogue of RA-VII, an Antitumor Bicyclic Hexapeptide

Letter



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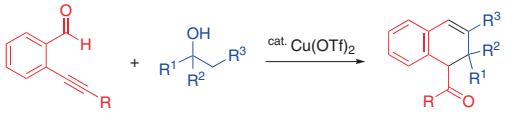
Synlett **2023**, *34*, 188–192
DOI: 10.1055/a-1959-1605

R. Umeda*
N. Kimura
S. Ishii
Y. Nishiyama
Kansai University, Japan

One-Pot Synthesis of 1,2-Dihydronaphthalenes by Cu-Catalyzed Reaction of 2-(Alkynyl)benzaldehydes and Alcohols

Letter



- One-pot synthesis of 1,2-dihydronaphthalenes
- 11 examples, up to 92% isolated yield
- High selectivity