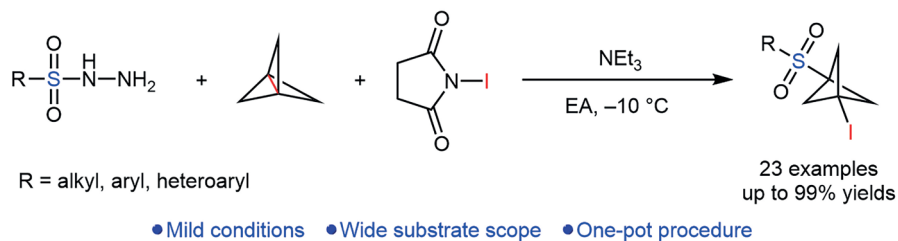


Synthesis

Reviews and Full Papers in Chemical Synthesis

August 1, 2024 • Vol. 56, 2295–2444



Iodosulfonation of [1.1.1]Propellane

M. Chen, M. Ling, Z. Huang, D. Cheng, J.-H. Li

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Synthesis

Organoselenium Compounds in Catalysis

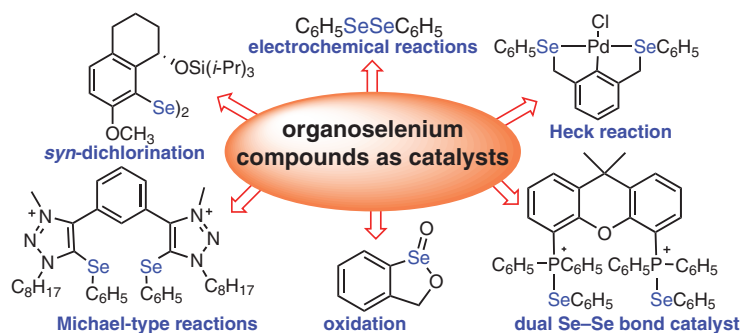
Review

Synthesis 2024, 56, 2295–2315
DOI: 10.1055/a-2197-7356

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2295



Synthesis

Organocatalytic Atroposelective Reactions of Alkynes

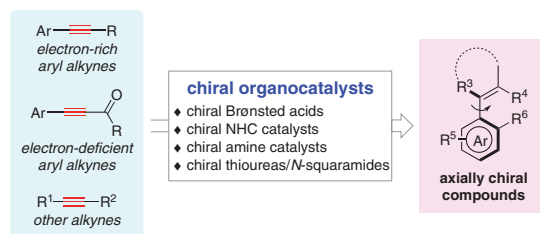
Short Review

Synthesis 2024, 56, 2316–2328
DOI: 10.1055/a-2241-3571

Z.-X. Zhang
T.-Q. Hu
L.-W. Ye
B. Zhou*

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2316



Synthesis

Synthesis 2024, 56, 2329–2338
DOI: 10.1055/a-2241-6858

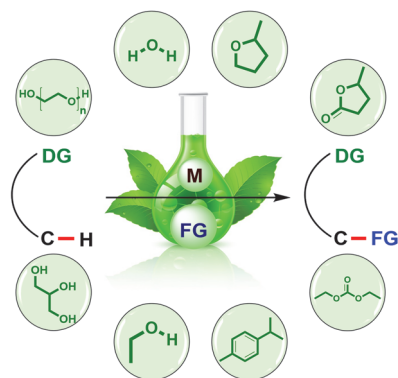
D. Deshmukh*
N. Vagadiya
S. Jagtap
P. Malasane

J. D. Patil Sangludkar Mahavidyalaya, India

Revolutionizing C–H Activation Reactions: Harnessing Green Solvents for Sustainable Catalysis

Short Review

2329



Synthesis

Synthesis 2024, 56, 2339–2346
DOI: 10.1055/a-2284-9845

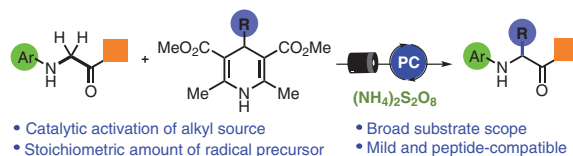
M. H. Babu
E. Jang
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J. Sim*

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Photoredox-Catalyzed Oxidative C–H Alkylation of Glycine Derivatives with 4-Alkyl-1,4-dihydropyridines

Paper

2339



Synthesis

Synthesis 2024, 56, 2347–2360
DOI: 10.1055/a-2282-7827

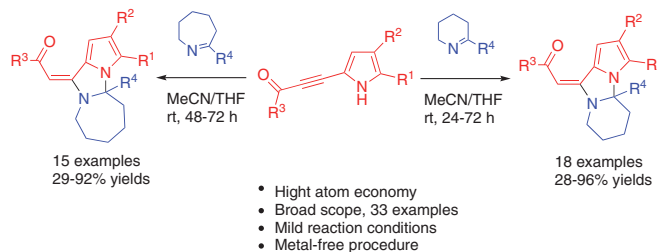
L. A. Oparina
K. V. Belyaeva
N. A. Kolyvanov
I. A. Ushakov
E. F. Sagitova
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A. E. Favorsky Irkutsk Institute of
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Stereoselective Synthesis of Acylethenyl Tetrahydropyridino- and Deazepanopyrrolo[1,2-c]imidazolidines via Annulation of Cyclic Imines with Acylethylnylpyrroles

Paper

2347



Synthesis

Synthesis **2024**, *56*, 2361–2370
DOI: 10.1055/s-0043-1763750

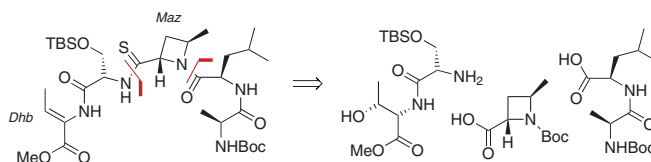
N. O. Reineke
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Synthesis of a Potential Precursor (Northern Fragment) for the Cyclic Depsipeptides Vioprolides A and C

Paper

2361



Synthesis

Synthesis **2024**, *56*, 2371–2378
DOI: 10.1055/a-2276-6584

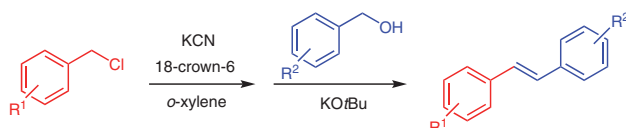
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Denmark

Synthesis of Stilbenes by Cyanide/Base-Mediated Coupling of Benzylic Chlorides and Alcohols

Paper

2371



- One-pot procedure
- Commercially available starting materials

Synthesis

Synthesis **2024**, *56*, 2379–2384
DOI: 10.1055/a-2290-6540

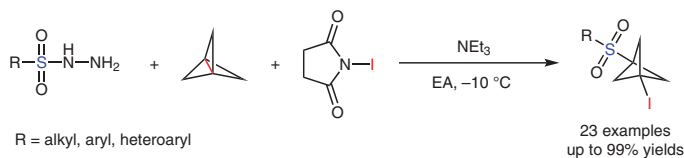
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M. Ling
Z. Huang
D. Cheng*
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P. R. of China

Iodosulfonation of [1.1.1]Propellane

Paper

2379



- Mild conditions
- Wide substrate scope
- One-pot procedure

Synthesis

Synthesis 2024, 56, 2385–2391
DOI: 10.1055/a-2288-6944

R. Sánchez-Bento

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V. K. Duong

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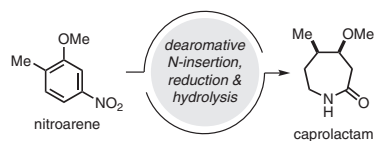
D. Leonori*

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A Photochemical Strategy for the Synthesis of Caprolactams via Dearomative Ring Expansion of Nitroarenes

Paper

2385



Synthesis

Synthesis 2024, 56, 2392–2402
DOI: 10.1055/s-0040-1720112

P. Ge

Z. Zhou

J. Tao

W. Cai

M. Wu

X. Shan

Y. Li*

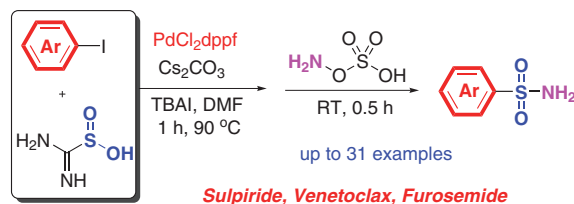
K. Cheng*

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P. R. of China

Palladium-Catalyzed Amino-Sulfonylation of Aryl Iodide Derivatives via the Insertion of Sulfur Dioxide: One-Pot Synthesis of Aryl Primary Sulfonamides with Thiourea Dioxides

Paper

2392



Synthesis

Synthesis 2024, 56, 2403–2409
DOI: 10.1055/s-0042-1751581

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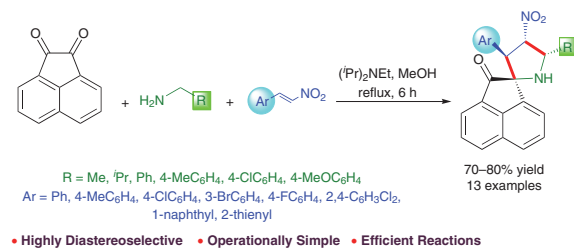
K. Ghafouri

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Diastereoselective Synthesis of NH-Unprotected Spiropyrrolidines via the Huisgen Reaction of Acenaphthoquinone-Derived Azomethine Ylides with β -Nitrostyrenes

Paper

2403



Synthesis

Synthesis 2024, 56, 2410–2422
DOI: 10.1055/s-0042-1751574

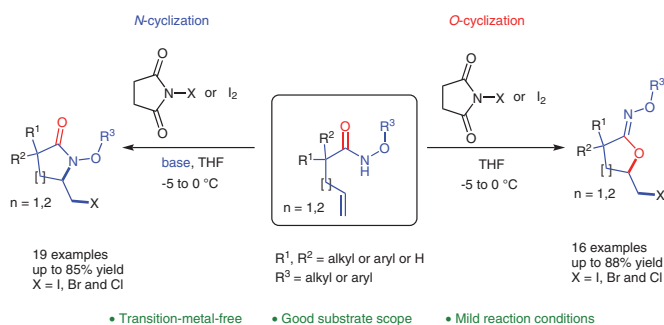
S. D. Chakave
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Transition-Metal-Free Selective Halocyclization of *N*-Alkoxy Amides: Synthesis of *N*-Alkoxy Lactams and Oximinolactones

Paper

2410



Synthesis

Synthesis 2024, 56, 2423–2431
DOI: 10.1055/a-2295-8544

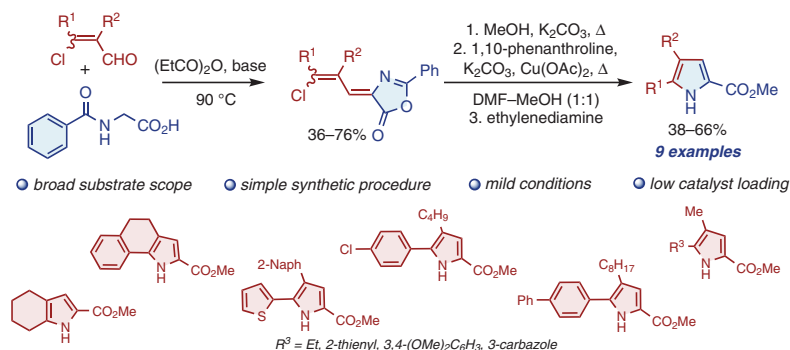
A. L. Samsonenko
A. S. Kostyuchenko
T. Y. Zheleznova
V. Y. Shuvalov
E. B. Uliankin
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Synthesis of 4,5-Disubstituted Methyl 1*H*-Pyrrole-2-carboxylates from 3-Chloroacrylaldehydes and Hippuric Acid

Paper

2423



Synthesis

Synthesis 2024, 56, 2432–2444
DOI: 10.1055/s-0040-1720114

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Ö. Özdemir
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M. Aygün
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A Novel Methodology for the Asymmetric Synthesis of 2,3,5-Trisubstituted Piperazine Derivatives

Paper

2432

