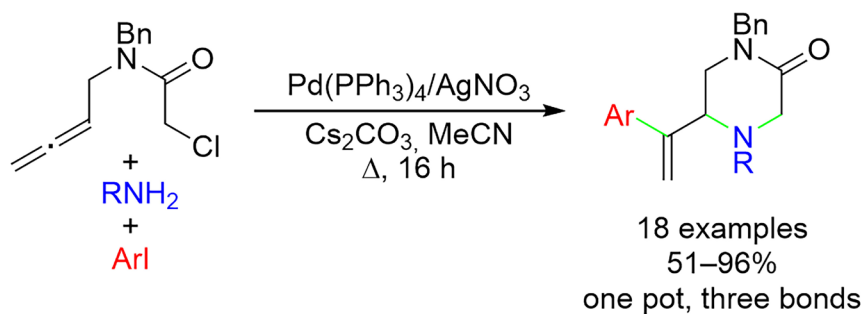


Synthesis

Reviews and Full Papers in Chemical Synthesis

February 1, 2024 • Vol. 56, 357–526



Synthesis of Piperazin-2-one Derivatives via Cascade Double Nucleophilic Substitution

M. Petkovic, D. Kusljevic, M. Jovanovic, P. Jovanovic, G. Tasic, M. Simic, V. Savic

3

Synthesis

Synthetic Approaches to the 2019–2020 New Agrochemicals

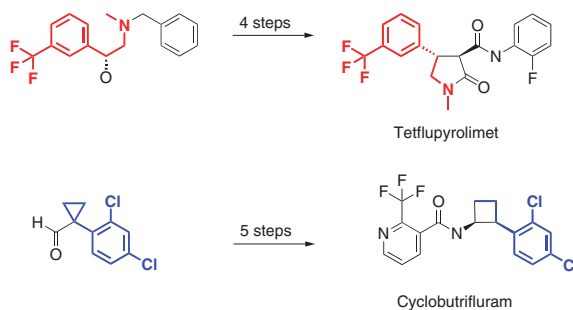
Review

Synthesis 2024, 56, 357–367
DOI: 10.1055/a-2142-8961

S. Jeanmart
A. J. F. Edmunds
C. Lamberth*
M. Pouliot
J. A. Morris

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Switzerland

357



Synthesis

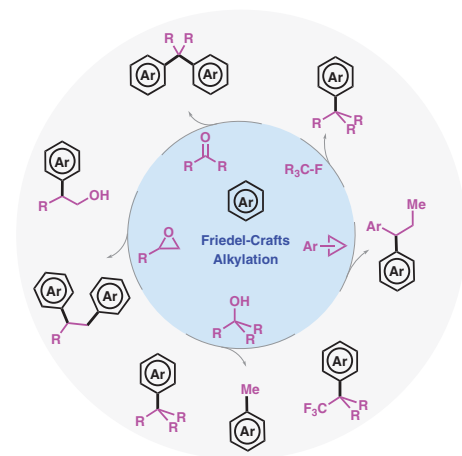
Recent Advancements in Typical Friedel–Crafts Alkylation Reactions Focused on Targeting Arene Nucleophiles

Short Review

Synthesis 2024, 56, 368–388
DOI: 10.1055/s-0042-1751492

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Delhi, India

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Synthesis

Recent Advances on High-Order Dipolar Annulations of Donor–Acceptor Cyclopropanes/Cyclobutanes

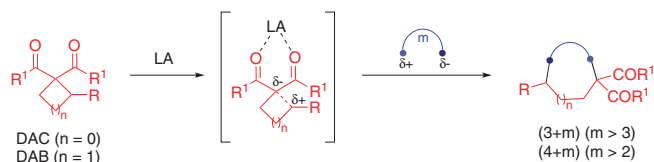
Short Review

389

Synthesis 2024, 56, 389–398
DOI: 10.1055/a-2155-3615

L. Yang
H. Wang
M. Lang
S. Peng*

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Synthesis

Boron Lewis Acid Catalyzed Hydrophosphorylation of *N*-Heteroaryl-Substituted Alkenes

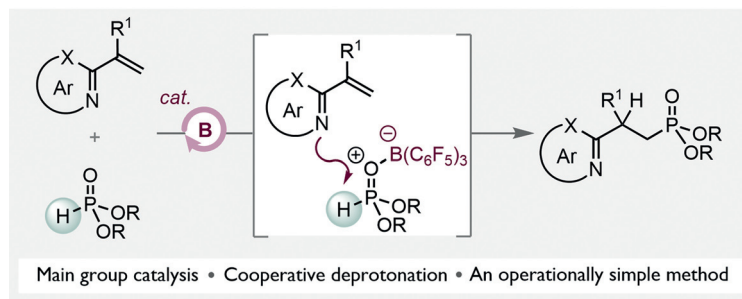
Feature

399

Synthesis 2024, 56, 399–407
DOI: 10.1055/a-2218-9298

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Synthesis

N-Oxide Route to the Marine Natural Product Cyanogramide D

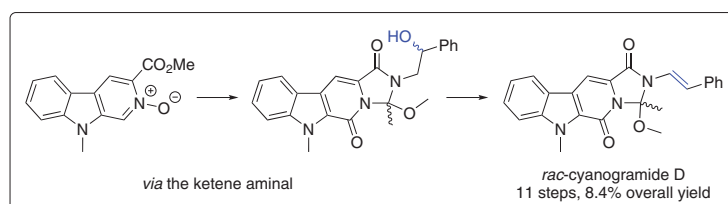
Feature

408

Synthesis 2024, 56, 408–417
DOI: 10.1055/a-2202-7145

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Synthesis

Synthesis of Piperazin-2-one Derivatives via Cascade Double Nucleophilic Substitution

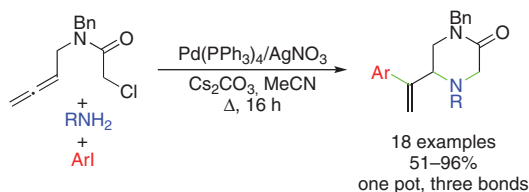
Paper

418

Synthesis 2024, 56, 418–426
DOI: 10.1055/a-2201-9951

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Synthesis

Metal-Free Synthesis of 9-Sulfenylphenanthrenes via HNO₃/HCl-Promoted Annulation of 2-Alkynylbiaryls with Disulfides

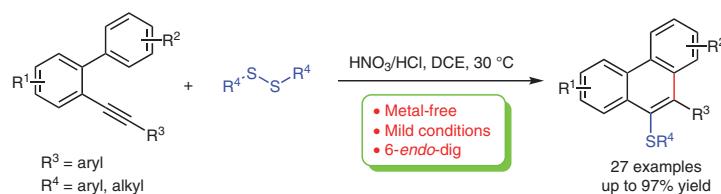
Paper

427

Synthesis 2024, 56, 427–434
DOI: 10.1055/a-2204-8461

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Z.-X. Yao
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Synthesis

Novel Two-Step Synthesis of *N*-Alkylated 2,3-Diaryl-4-quinolones

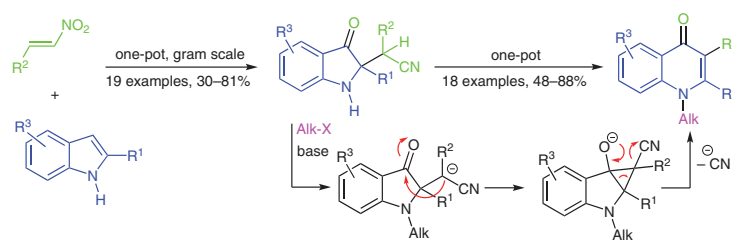
Paper

435

Synthesis 2024, 56, 435–444
DOI: 10.1055/s-0042-1751530

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N. A. Arutiunov
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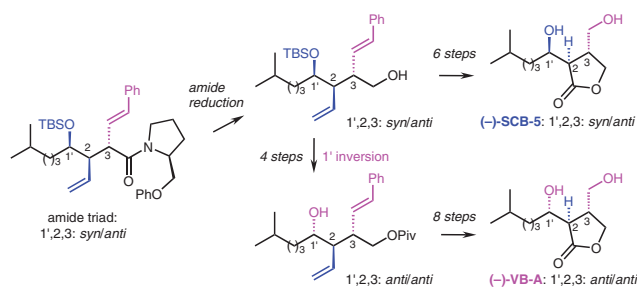
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Synthesis 2024, 56, 445–454
DOI: 10.1055/a-2195-7907

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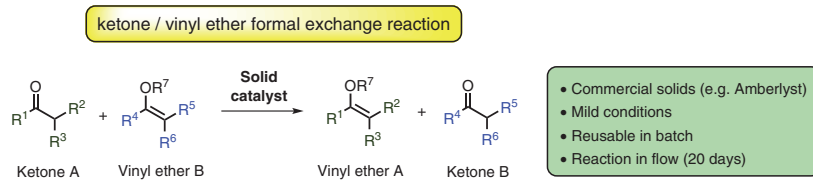
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Synthesis 2024, 56, 455–461
DOI: 10.1055/a-2204-2801

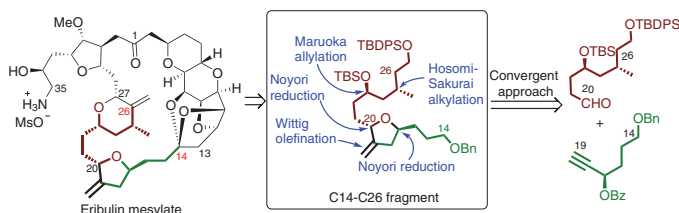
P. Minguenza-Verdejo
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Synthesis 2024, 56, 462–468
DOI: 10.1055/a-2202-5597

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Synthesis

Synthesis 2024, 56, 469–481
DOI: 10.1055/a-2193-5436

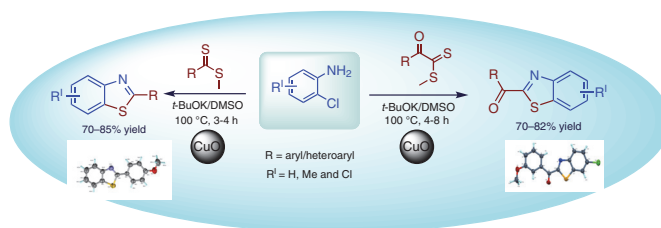
K. P. Sukrutha
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An Efficient Copper-Mediated Route for the Synthesis of 2-Substituted Benzothiazoles from Dithioesters and Investigation of Their Antibacterial Activities

Paper

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Synthesis

Synthesis 2024, 56, 482–486
DOI: 10.1055/a-2201-3503

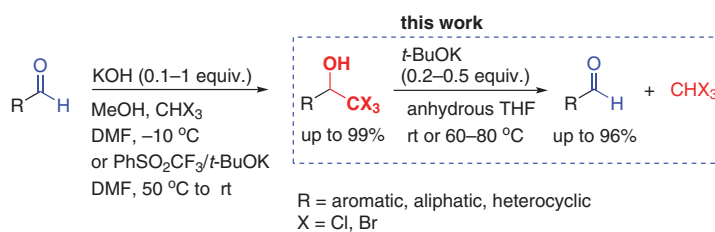
G. Abulipizi
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S. Tian
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Base-Catalyzed Deprotection of Aldehydes: A New Haloform Reaction

Paper

482



Synthesis

Synthesis 2024, 56, 487–495
DOI: 10.1055/s-0043-1763649

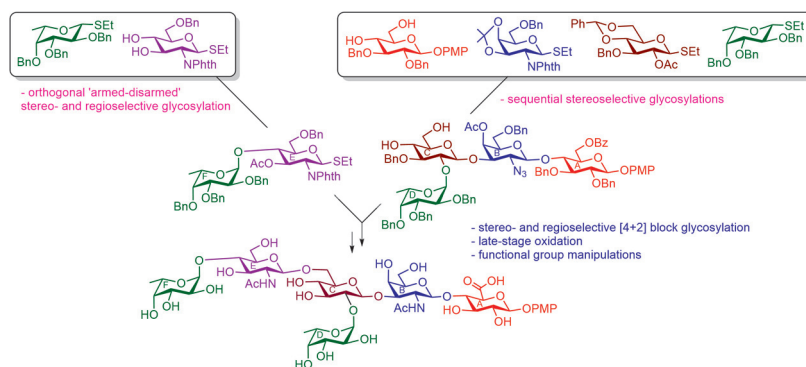
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Convenient Synthesis of the Branched Hexasaccharide Repeating Unit of the Cell Wall O-Antigen of *Escherichia coli* O80 Strain

Paper

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Synthesis

Synthesis 2024, 56, 496–506
DOI: 10.1055/a-2183-0262

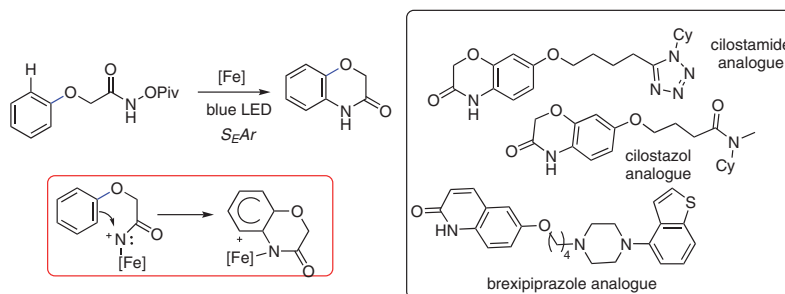
M. Hou
Z. Zhang
X. Lai
Q. Zong*
M. Ren
T. Bai*
G. Qiu*

Jiaxing University, P. R. of China

Photo-Induced Electrophilic Aromatic Substitution of Ferric Acyl Nitrene

Paper

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Synthesis

Synthesis 2024, 56, 507–517
DOI: 10.1055/a-2193-5593

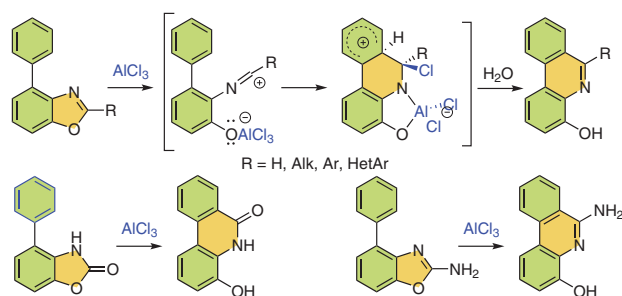
A. L. Shatsauskas
E. S. Keyn
A. J. Stasyuk
S. A. Kirnosov
V. Y. Shuvalov
A. S. Kostyuchenko
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Omsk State Technical University,
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A Rearrangement of 4-Phenylbenzo[d]oxazoles to Phenanthridin-4-ols

Paper

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Synthesis

Synthesis 2024, 56, 518–526
DOI: 10.1055/a-2198-1589

L. Marek
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Czech Republic

Efficient Synthesis of (Z)-4-((Substituted phenylamino)methylidene)-isoquinoline-1,3(2H,4H)-diones Using the Eschenmoser Coupling Reaction

Paper

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