

Synthesis

Synthesis 2019, 51, 3765–3783
DOI: 10.1055/s-0037-1611863

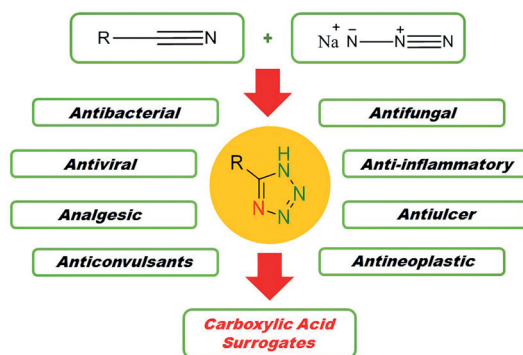
R. Mittal
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University of Delhi, India

Recent Advances in the Synthesis of 5-Substituted 1*H*-Tetrazoles: A Complete Survey (2013–2018)

Review

3765



Synthesis

Synthesis 2019, 51, 3784–3791
DOI: 10.1055/s-0037-1611907

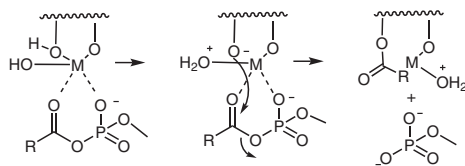
Y. Li
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Metal-Catalyzed Site-Selective Monoacylation of Diols in Aqueous Media

Short Review

3784



Synthesis

Synthesis **2019**, *51*, 3792–3795
DOI: 10.1055/s-0039-1690151

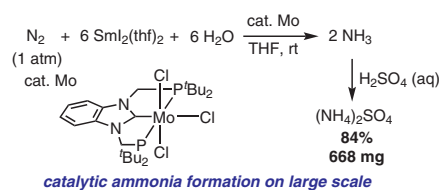
Y. Ashida
S. Kondo
K. Arashiba
T. Kikuchi
S. Nakajima
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The University of Tokyo, Japan

A Practical Synthesis of Ammonia from Nitrogen Gas, Samarium Dioxide and Water Catalyzed by a Molybdenum–PCP Pincer Complex

PSP

3792



Synthesis

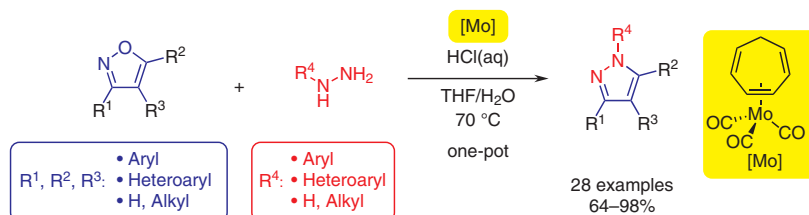
Synthesis **2019**, *51*, 3796–3804
DOI: 10.1055/s-0039-1690615

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Molybdenum-Mediated One-Pot Synthesis of Pyrazoles from Isoxazoles

Paper

3796



Synthesis

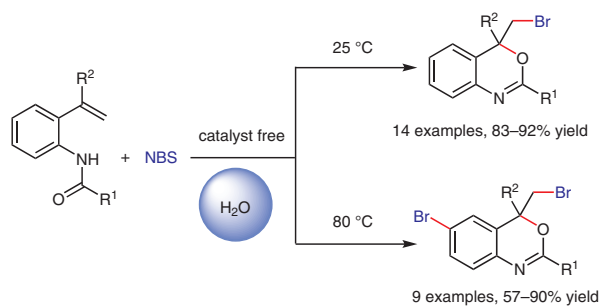
Synthesis **2019**, *51*, 3805–3814
DOI: 10.1055/s-0037-1610724

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W.-B. Cao
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Treatment of Olefinic Amides with NBS in Water: Synthesis of Mono-bromo- and Multibromobenzoxazines

Paper

3805



Synthesis

Synthesis 2019, 51, 3815–3824
DOI: 10.1055/s-0037-1611882

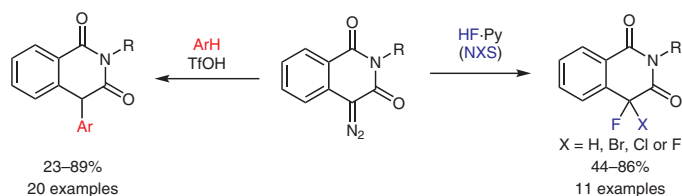
A. Golushko
D. Dar'in
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Medicinally Relevant Modification of the Isoquinoline-1,3-dione Scaffold via Metal-Free Arylation and Fluorination of Diazo Homophthalimides in Brønsted Acids

Paper

3815



Synthesis

Synthesis 2019, 51, 3825–3833
DOI: 10.1055/s-0039-1690003

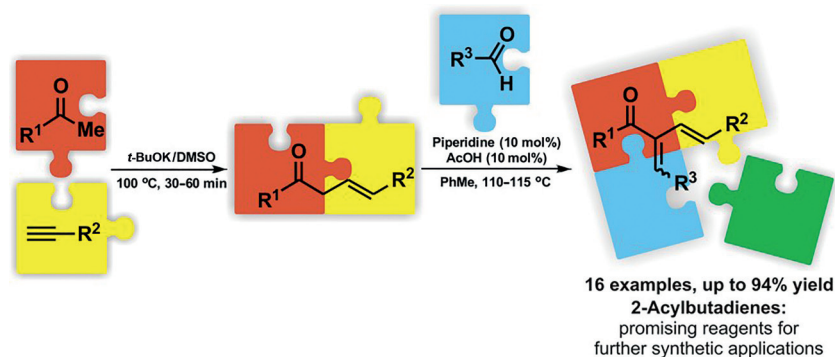
D. A. Shabalin
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E. Yu. Schmidt
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Regioselective Synthesis of 2-Acylbutadienes from β,γ -Unsaturated Ketones

Paper

3825



Synthesis

Synthesis 2019, 51, 3834–3846
DOI: 10.1055/s-0037-1611896

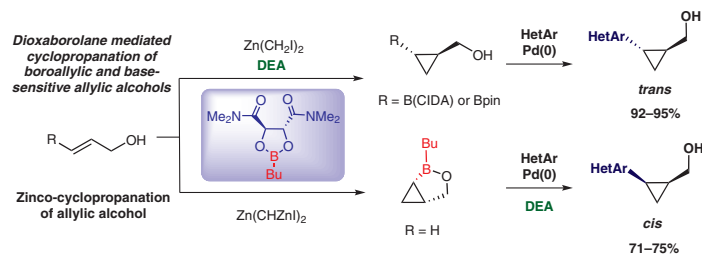
S. H. Siddiqui
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Enantioselective Synthesis of *cis*- and *trans*-Borocyclopropylmethanol: Simple Building Blocks To Access Heterocycle-Substituted Cyclopropylmethanols

Paper

3834



Synthesis

Synthesis **2019**, *51*, 3847–3858
DOI: 10.1055/s-0037-1611900

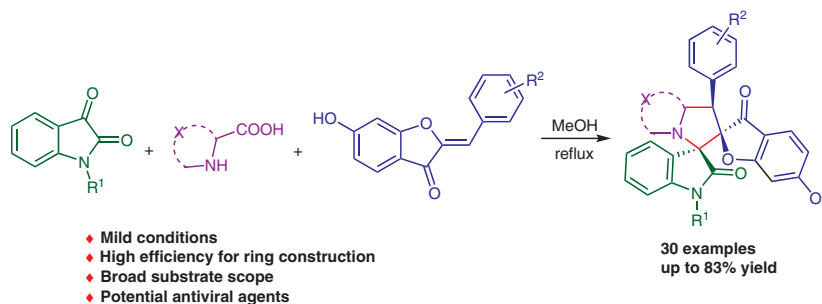
M. Zhang*
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Facile Synthesis of Dispiroheterocycles through One-Pot [3+2] Cycloaddition, and Their Antiviral Activity

Paper

3847



Synthesis

Synthesis **2019**, *51*, 3859–3864
DOI: 10.1055/s-0037-1611895

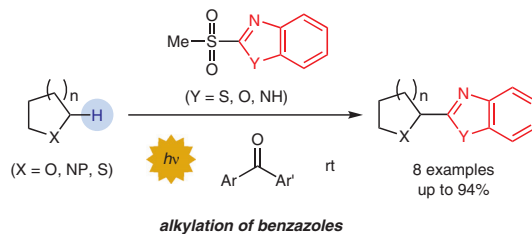
S. Kamijo*
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Aryl Ketone Mediated Photoinduced Radical Coupling for the Alkylation of Benzazoles Employing Saturated Heterocyclic Compounds

Paper

3859



Synthesis

Synthesis **2019**, *51*, 3865–3874
DOI: 10.1055/s-0037-1611908

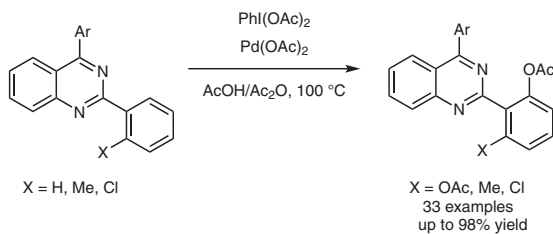
S. Wei
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Key Laboratory of Small Functional Organic Molecule,
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Palladium-Catalyzed and Quinazoline-Directed C–H Selective Acetoxylation of 2-Arylquinazolines

Paper

3865



Synthesis

Synthesis **2019**, *51*, 3875–3882
DOI: 10.1055/s-0037-1610725

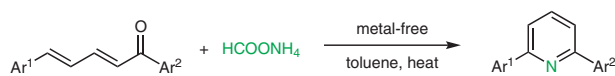
Y. Gao
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Synthesis of Asymmetrical 2,6-Diarylpyridines from Linear $\alpha,\beta,\gamma,\delta$ -Unsaturated Ketones by Addition of Ammonium Formate Followed by Annulation

Paper

3875



33 examples, up to 92% yield

Synthesis

Synthesis **2019**, *51*, 3883–3890
DOI: 10.1055/s-0037-1611906

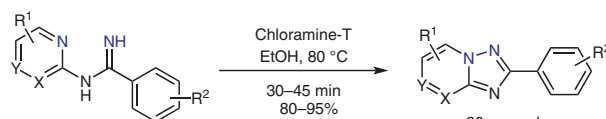
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A Convenient Synthesis of 1,5-Fused 1,2,4-Triazoles from *N*-Arylamidines via Chloramine-T Mediated Intramolecular Oxidative N–N Bond Formation

Paper

3883



20 examples
80–95% yield

X, Y = CH or N; R¹ = H, Me, Br, Cl
R² = H, Me, OMe, Br, Cl, F, CF₃, NO₂

Synthesis

Synthesis **2019**, *51*, 3891–3900
DOI: 10.1055/s-0039-1690132

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An Efficient Solvent-Free Microwave-Assisted Synthesis of Cinnamamides by Amidation Reaction Using Phenylboronic Acid/Lewis Base Co-catalytic System

Paper

3891



32 examples
42–72%

- Highly chemoselective
- Solvent-free conditions

- Efficient with aromatic amines
- Metal-free conditions

- Short reaction time

Synthesis

Synthesis 2019, 51, 3901–3907
DOI: 10.1055/s-0039-1690017

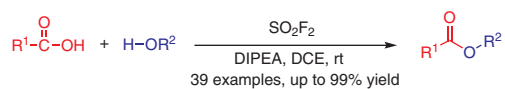
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Construction of Esters through Sulfuryl Fluoride (SO₂F₂) Mediated Dehydrative Coupling of Carboxylic Acids with Alcohols at Room Temperature

Paper

3901



Cheap inorganic SO₂F₂ as the coupling reagent
Coupling reagent removed by washing
Mild conditions and broad scope

Synthesis

Synthesis 2019, 51, 3908–3914
DOI: 10.1055/s-0037-1610720

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A Ruthenium-Catalyzed C–H Activation Strategy as an Efficient Shortcut in the Total Synthesis of 6,8-Dimethoxy-1,3-dimethylisoquinoline

Paper

3908

