

Synthesis

Synthesis 2023, 55, 1309–1321
DOI: 10.1055/a-2005-5006

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J. Wang*

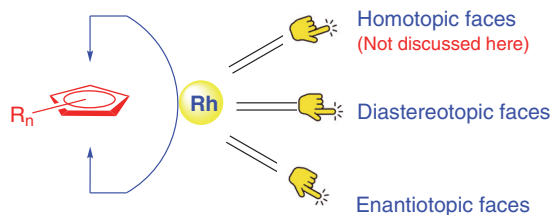
Sun Yat-Sen University,
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Advances in Exploring Cyclopentadienyl (Cp) Rhodium Catalysts Featuring Diastereotopic or Enantiotopic Cp Faces for Asymmetric C–H Activation

Short Review

1309

Different Types of Chiral CpRh Catalysts for Asymmetric C–H Activation



Synthesis

Synthesis 2023, 55, 1322–1327
DOI: 10.1055/s-0042-1751422

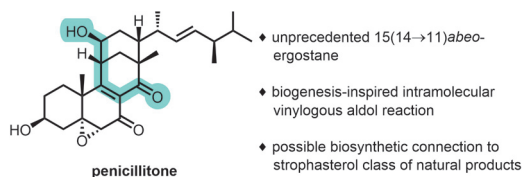
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Biogenesis-Inspired Synthesis of Penicillitone

Feature

1322



Synthesis

Synthesis 2023, 55, 1328–1336
DOI: 10.1055/a-1981-2727

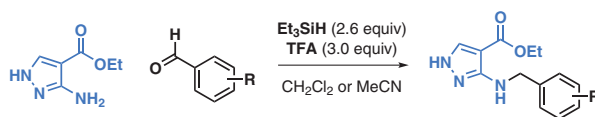
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Robust and Scalable Reductive Amination Protocol for Electron-Poor Heterocyclic Amines Using Et_3SiH /TFA as Reducing Agent

Special Topic

1328



A scalable solution for challenging reductive aminations
 • robust on kg scale • mild reaction conditions • facile workup and isolation
 • applicable to many heterocyclic amines • works with aromatic and aliphatic aldehydes

Synthesis

Synthesis 2023, 55, 1337–1354
DOI: 10.1055/a-1938-2293

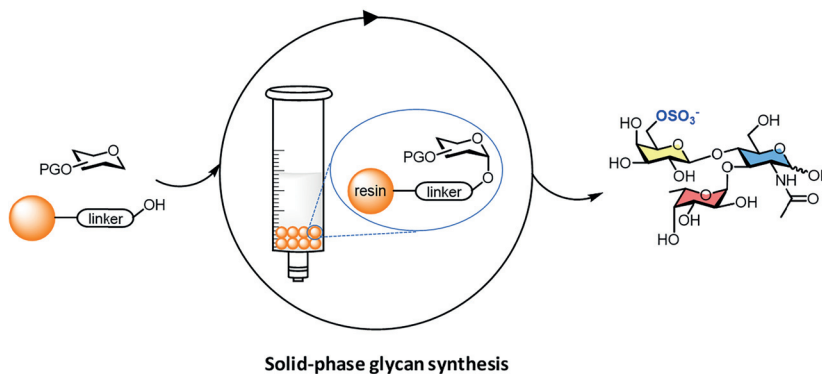
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Recent Developments in Solid-Phase Glycan Synthesis

Special Topic

1337



Synthesis

Synthesis 2023, 55, 1355–1366
DOI: 10.1055/a-2008-9505

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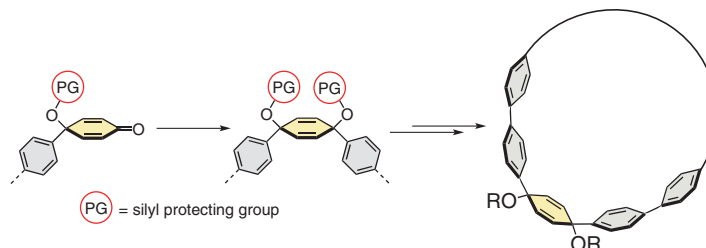
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Exploring Silyl Protecting Groups for the Synthesis of Carbon Nano hoops

Special Topic

OPEN ACCESS 1355

Novel protection strategy using robust silyl ethers



Synthesis

Photocatalytic Cleavage of Trityl Protected Thiols and Alcohols

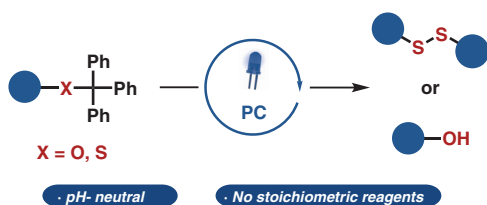
Special Topic

1367

Synthesis **2023**, 55, 1367–1374
DOI: 10.1055/a-1979-5933

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Synthesis

Samarium and Ytterbium in Organic Electrosynthesis

Special Topic

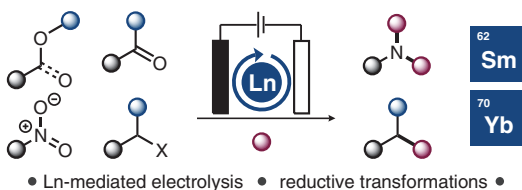
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1375

Synthesis **2023**, 55, 1375–1384
DOI: 10.1055/a-1997-0939

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Synthesis

Efficient and Scalable Syntheses of 1,2-Thiaselenane-4-amine and 1,2-Thiaselenane-5-amine

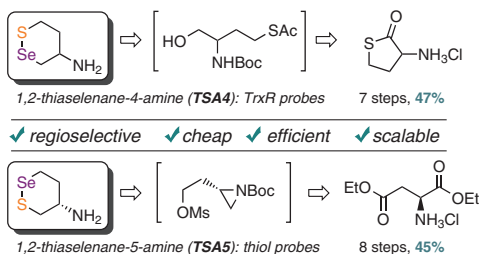
Special Topic

1385

Synthesis **2023**, 55, 1385–1393
DOI: 10.1055/a-2022-1398

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Synthesis

Synthesis **2023**, *55*, 1394–1400
DOI: 10.1055/s-0042-1753402

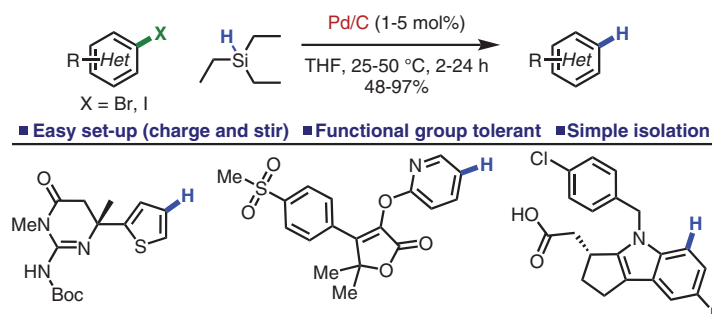
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Pd/C Catalyzed Dehalogenation of (Hetero)aryls Using Triethylsilane as Hydrogen Donor

Special Topic

1394



Synthesis

Synthesis **2023**, *55*, 1401–1409
DOI: 10.1055/a-2019-1532

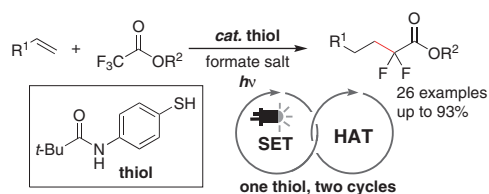
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Photocatalytic Defluoroalkylation of Trifluoroacetates with Alkenes using 4-(Acetamido)thiophenol

Special Topic

1401



Synthesis

Synthesis **2023**, *55*, 1410–1418
DOI: 10.1055/s-0042-1751409

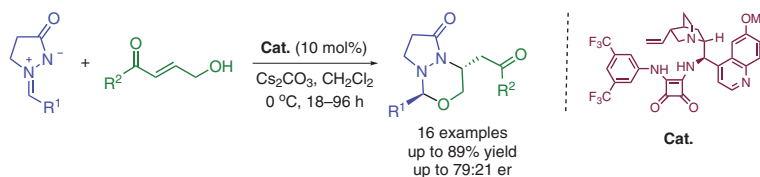
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Enantioselective Synthesis of Diazobicyclic Oxadiazines via Organocatalytic [3+3]-Cycloaddition of γ -Hydroxy- α,β -Unsaturated Carbonyls with N,N' -Cyclic Azomethine Imines

Paper

1410



Synthesis

Synthesis **2023**, *55*, 1419–1426
DOI: 10.1055/a-1996-8388

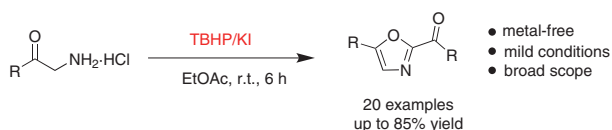
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TBHP/KI-Promoted Oxidative Cyclization of α -Aminoketones for One-Pot Synthesis of Substituted 2-Acyloxazoles

Paper

1419



Synthesis

Synthesis **2023**, *55*, 1427–1440
DOI: 10.1055/a-1993-4132

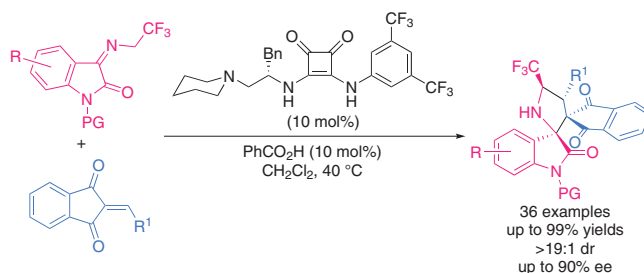
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Synthesis of Chiral Spiro[oxindole-3,2'-pyrrolidine] Derivatives Integrated with Spiro Indane-1,3-dione and Trifluoromethyl Group Pharmacophores via Organocatalyzed Asymmetric [3+2] Annulation

Paper

1427



Synthesis

Synthesis **2023**, *55*, 1441–1450
DOI: 10.1055/s-0042-1751406

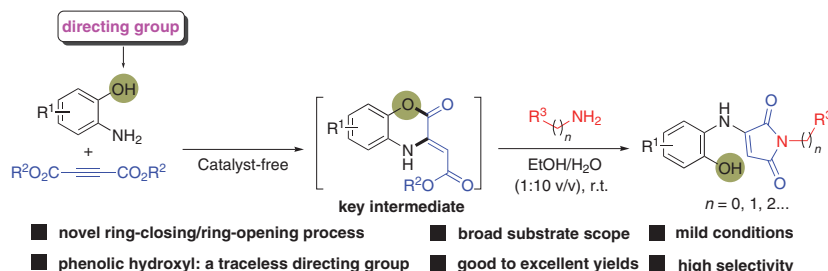
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Q. Yang
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Qujing Normal University,
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A Novel Ring-Opening/Ring-Closing Cascade Reaction Selectively Induced by Aliphatic Primary Amine Using Phenolic Hydroxyl as a Traceless Directing Group

Paper

1441



Synthesis

Synthesis 2023, 55, 1451–1459
DOI: 10.1055/a-1988-5764

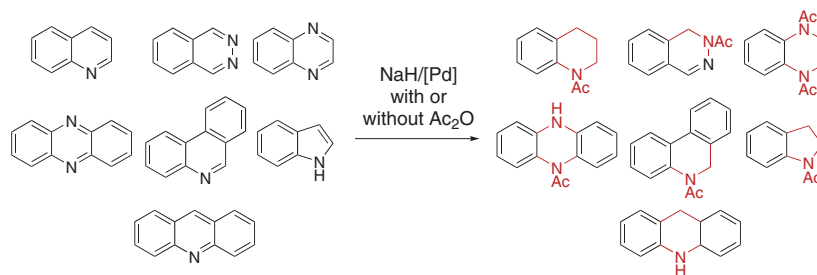
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Y. Yin
X. Hu
Y. Hu*
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X. Chen
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Palladium-Catalyzed Transfer Hydrogenation and Acetylation of *N*-Heteroarenes with Sodium Hydride as the Reductant

Paper

1451



Synthesis

Synthesis 2023, 55, 1460–1466
DOI: 10.1055/a-2003-3207

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Ruthenium-Catalyzed Regioselective Synthesis of C3-Alkylated Indoles Following Transfer Hydrogenation or Borrowing Hydrogen Strategy

Paper

1460

