Synthesis

Reviews and Full Papers in Chemical Synthesis

2019
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Synthesis

Indolylvinyl Ketones: Building Blocks for the Synthesis of Natural Products and Bioactive Compounds

Review

787

Synthesis **2019**, *51*, 787–815
DOI: 10.1055/s-0037-1611702

I. V. Trushkov
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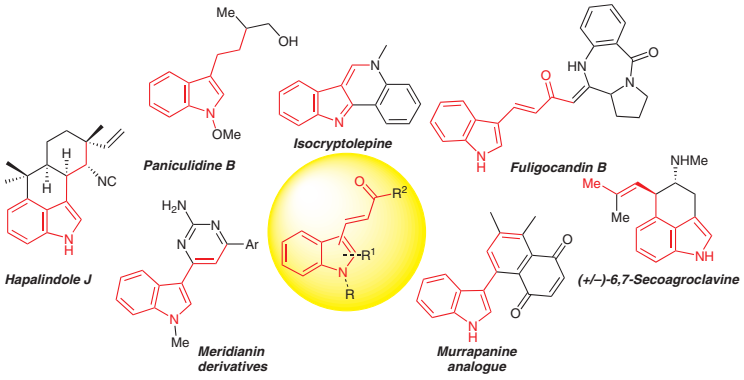

Synthesis

The Hantzsch Pyrrole Synthesis: Non-conventional Variations and Applications of a Neglected Classical Reaction

Short Review

816

Synthesis **2019**, *51*, 816–828
DOI: 10.1055/s-0037-1610320

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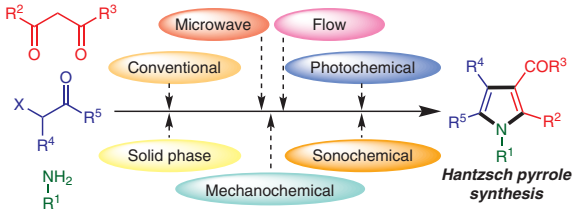

Synthesis

Synthesis **2019**, *51*, 829–841
DOI: 10.1055/s-0037-1610349

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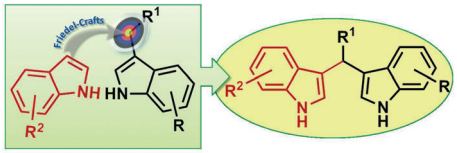
Recent Advances in the Synthesis of Unsymmetrical Bisindolylmethane Derivatives

Short Review



Synthesis

Synthesis **2019**, *51*, 829–834
DOI: 10.1055/s-0037-1611018

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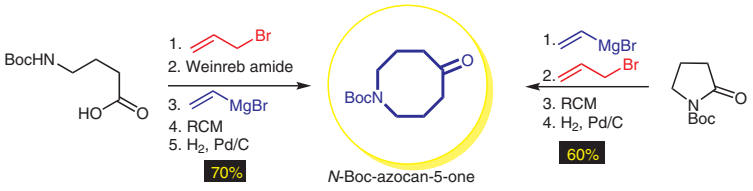
A Facile Synthesis of *N*-Boc-azocan-5-one

PSP



Synthesis

Synthesis **2019**, *51*, 829–839
DOI: S10.1055/s-0037-1611277

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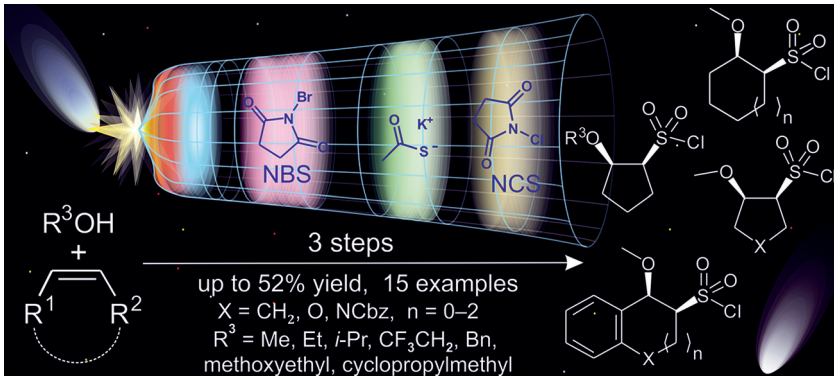
Diastereoselective Synthesis of Cyclic sp^3-Enriched *cis*-β-Alkoxysulfonyl Chlorides

Paper



Synthesis

A Convenient Synthesis of Benzo[1,2-*b*:6,5-*b*′:3,4-*c*′′]trithiophenes Starting from Thiophene

Paper

859

Synthesis **2019**, *51*, 859–864
DOI: 10.1055/s-0037-1611017

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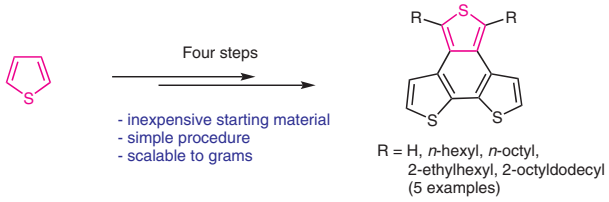

Synthesis

Harvesting New Chiral Phosphotriesters by Phosphorylation of BINOL and Parent Bis-phenols

Paper

865

Synthesis **2019**, *51*, 865–873
DOI: 10.1055/s-0037-1611295

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Synthesis

Metal-Free Radical Cyclization of Vinyl Isocyanides with Alkanes: Synthesis of 1-Alkylisoquinolines

Paper

874

Synthesis **2019**, *51*, 874–884
DOI: 10.1055/s-0037-1610661

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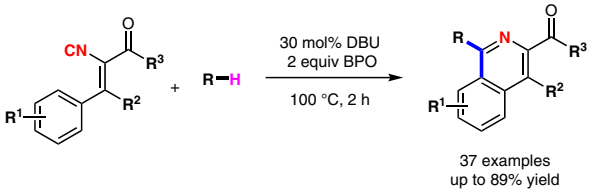

Synthesis

Synthesis **2019**, *51*, 885–888
DOI: 10.1055/s-0037-1610667

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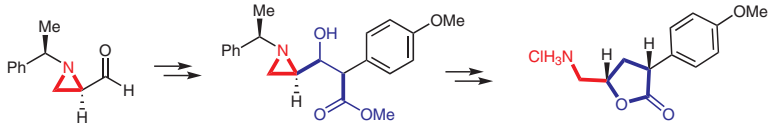
Asymmetric Synthesis of *cis*-5-(Aminomethyl)-3-(4-methoxyphenyl)dihydrofuran-2(3*H*)-one

Paper

885



Synthesis

Synthesis **2019**, *51*, 889–898
DOI: 10.1055/s-0037-1610668

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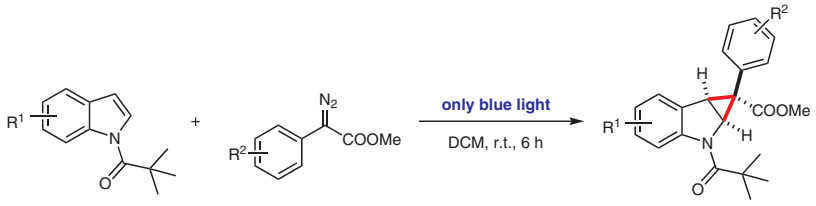
Metal-Free Blue-Light-Mediated Cyclopropanation of Indoles by Aryl(diazo)acetates

Paper

889



R^1, R^2 = H, Me, OMe, NO_2, COOMe, CN, X

31 examples
up to 98% yield, dr > 20:1

• metal-free • eco-friendly energy • operational simplicity • high diastereoselectivity

Synthesis

Synthesis **2019**, *51*, 899–906
DOI: 10.1055/s-0037-1609637

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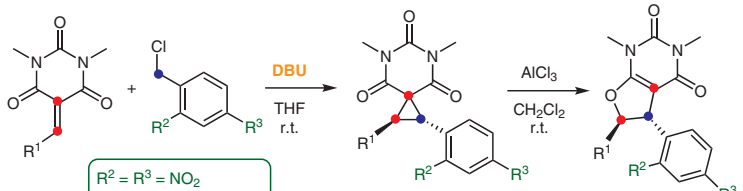
Diastereoselective Synthesis of Spirobarbiturate-Cyclopropanes through Organobase-Mediated Spirocyclopropanation of Barbiturate-Based Olefins with Benzyl Chlorides

Paper

899



Synthesis

Synthesis **2019**, *51*, 907–920
DOI: 10.1055/s-0037-1611229

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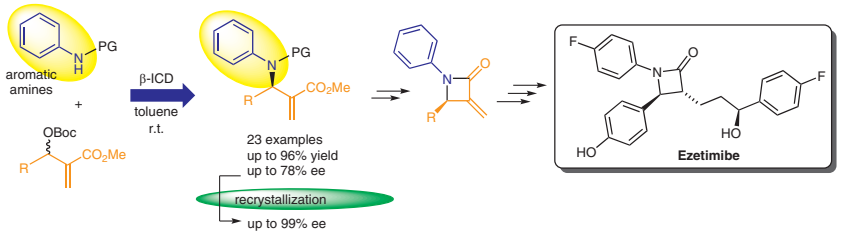
Organocatalytic Allylic Amination of Morita–Baylis–Hillman Carbonates

Paper

907



Synthesis

Synthesis **2019**, *51*, 921–932
DOI: 10.1055/s-0037-1610664

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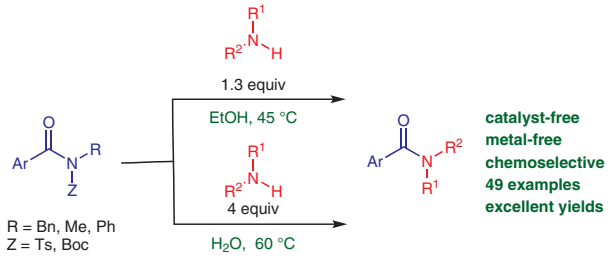
Catalyst-Free, Metal-Free, and Chemoselective Transamidation of Activated Secondary Amides

Paper

921



Synthesis

Synthesis **2019**, *51*, 933–943
DOI: 10.1055/s-0037-1610666

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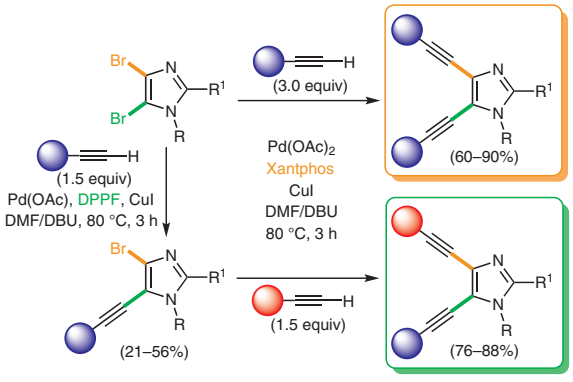
Imidazole-Fused Enediynes by Selective C5–C4 Alkynylations of 4,5-Dibromoimidazoles

Paper

933



Synthesis

Synthesis **2019**, *51*, 944–952
DOI: 10.1055/s-0037-1610307

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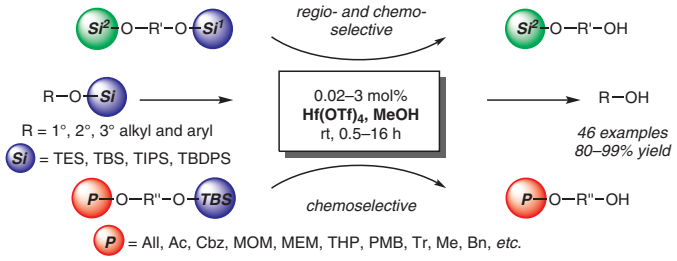
Hafnium Triflate as a Highly Potent Catalyst for Regio- and Chemoselective Deprotection of Silyl Ethers

Paper

944



Synthesis

Synthesis **2019**, *51*, 953–959
DOI: 10.1055/s-0037-1610310

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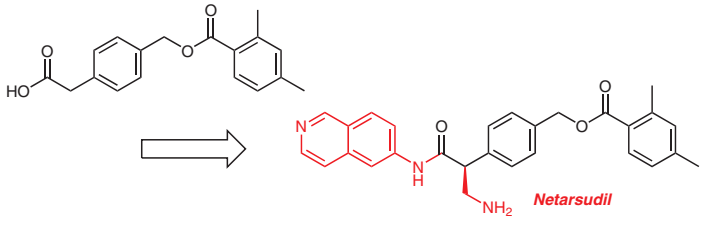
Asymmetric Synthesis of Netarsudil: A New Therapeutic for Open-Angle Glaucoma

Paper

953



Synthesis

Synthesis **2019**, *51*, 960–970
DOI: 10.1055/s-0037-1610662

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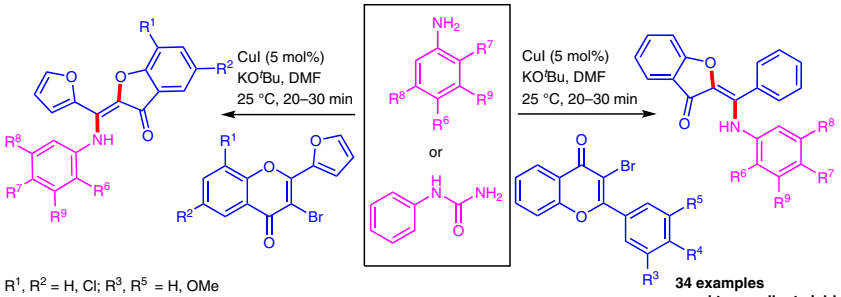
A Route to Highly Functionalized Stereospecific *trans*-Aminated Aurones from 3-Bromoflavones with Aniline and *N*-Phenylurea via a Domino Aza-Michael Ring Opening and Cyclization Reactions

Paper

960



Synthesis

Synthesis **2019**, *51*, 971–975
DOI: 10.1055/s-0037-1610316

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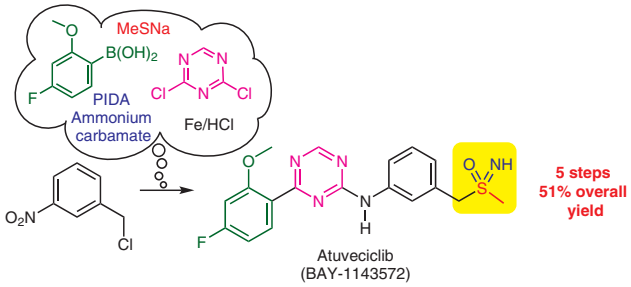
Late-Stage Sulfoximination: Improved Synthesis of the Anticancer Drug Candidate Atuveciclib

Paper

971



Synthesis

Synthesis **2019**, *51*, 976–984
DOI: 10.1055/s-0037-1610304

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Synthesis of Fmoc- and Boc-Protected (2*S*,5*S*)- and (2*R*,5*R*)-5-Aminomethylprolines

Paper

976