Synlett

Accounts and Rapid Communications in Chemical Synthesis

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Special Edition

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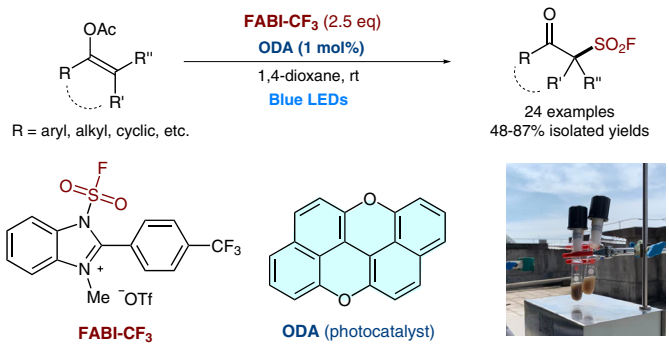

Photo-organocatalytic Synthesis of β-Keto Sulfonyl Fluorides via Radical Fluorosulfonylation of Vinyl Acetates

P. Wang, S.-J. Li, H. Zhang, N. Yang, S. Liao

5

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Photoredox-Catalysis-Enabled Ring-Opening Functionalization of Aryl Cyclopropanes

Synpacts

393

Synlett **2023**, *34*, 393–398
DOI: 10.1055/a-1995-6124

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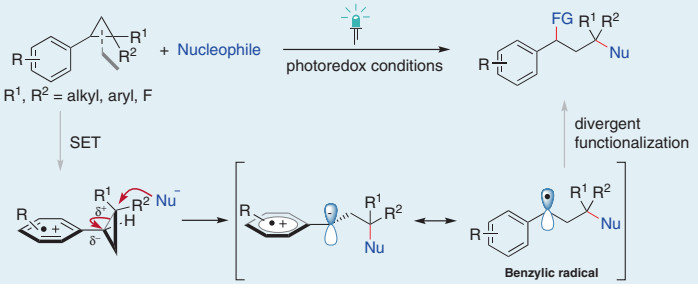

√ broad scope
√ mild reaction conditions
√ diversified reaction profiles
√ high regio/stereoselectivity

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Cascade Processes Merging Chemical and Enzyme Catalysis

Synpacts

399

Synlett **2023**, *34*, 399–404
DOI: 10.1055/s-0042-1751403

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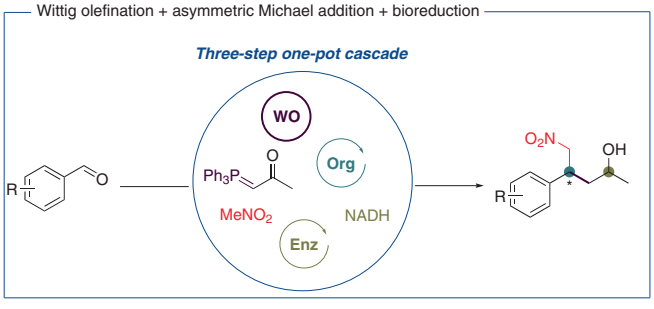

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Synlett **2023**, *34*, 405–413
DOI: 10.1055/a-1990-5495

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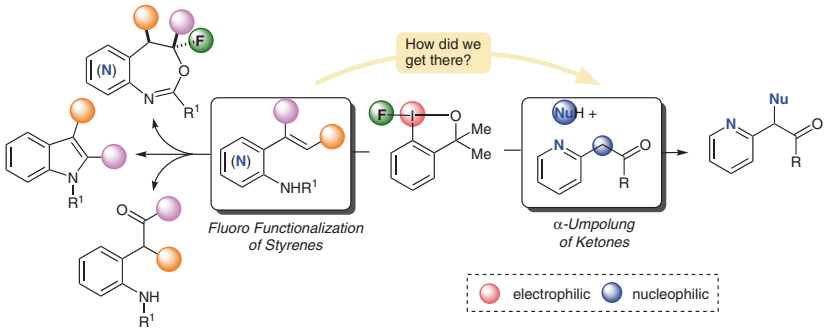
Discovering the Site-Selective Umpolung of Ketones Triggered by Hypervalent Fluoro-Iodanes – Why Investigating Side Reactions Matters!

Account

405



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Synlett **2023**, *34*, 414–422
DOI: 10.1055/s-0042-1753200

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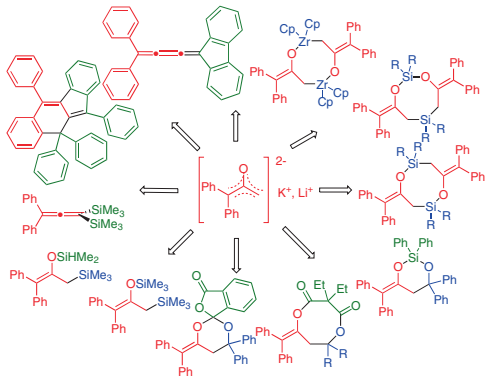
Adventures in 1,1-Diphenylacetone Dianion Chemistry

Account

414



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Synlett **2023**, *34*, 423–428
DOI: 10.1055/a-1928-2562

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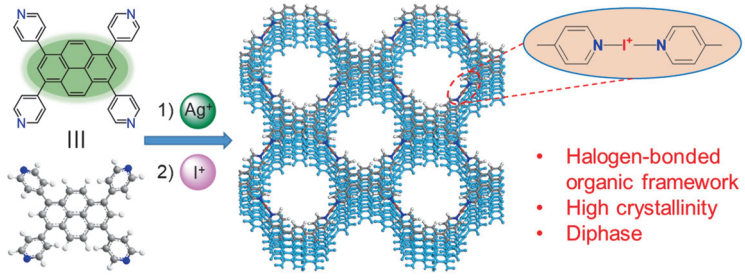
Construction and Characterization of a Diphase Two-Dimensional Halogen-Bonded Organic Framework Based on a Pyrene Derivative

Cluster

423



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A Facile and Mild Alkylation Protocol of *N*H-Diphenyl Sulfondiimines

Cluster

429

Synlett **2023**, *34*, 429–432
DOI: 10.1055/a-1946-6522

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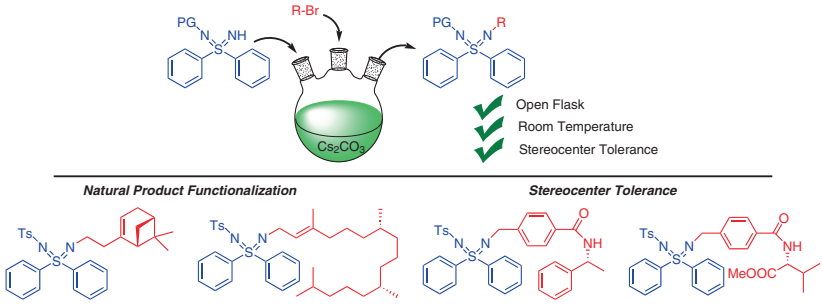

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Two-Step, One-Pot Pyrrole Synthesis by Iron-Catalyzed Carboamination/Copper-Mediated Cyclization

Cluster

433

Synlett **2023**, *34*, 433–436
DOI: 10.1055/a-1928-3527

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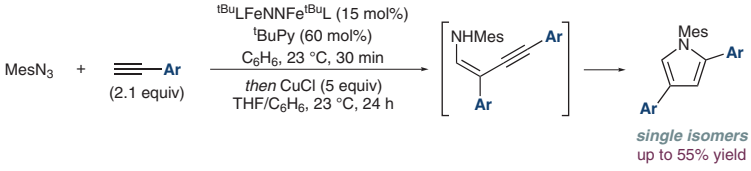

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Computational Investigation of the Aza-Cope Rearrangement Leading to Angularly Substituted 1-Azabicyclic Rings

Cluster

437

Synlett **2023**, *34*, 437–440
DOI: 10.1055/a-1946-6578

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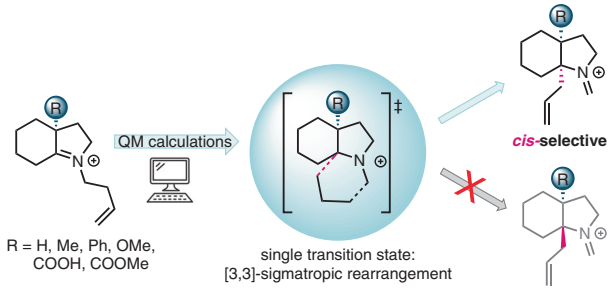

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Synlett **2023**, *34*, 441–444
DOI: 10.1055/s-0041-1738432

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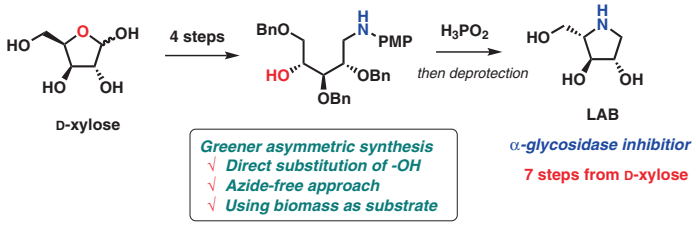
Concise Synthesis of 1,4-Dideoxy-1,4-imino-L-arabinitol (LAB) from D-Xylose by Intramolecular Stereospecific Substitution of a Hydroxy Group

Cluster

441



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Synlett **2023**, *34*, 445–450
DOI: 10.1055/s-0042-1751417

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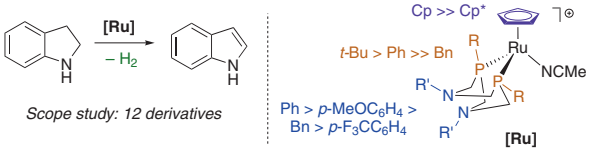
Catalyst Comparison for Additive-Free Acceptorless Dehydrogenation of Indoline Derivatives

Cluster

445



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Synlett **2023**, *34*, 451–456
DOI: 10.1055/a-1916-2937

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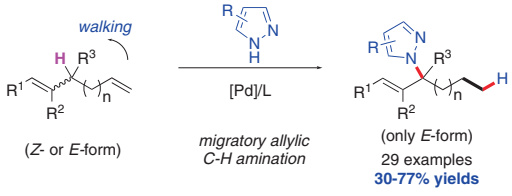
Stereoselective Pd-Catalyzed Remote Hydroamination of Skipped Dienes with Azoles

Cluster

451



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Synlett **2023**, *34*, 457–464
DOI: 10.1055/a-1938-9550

Visible-Light-Promoted Metal-Free 3-Arylation of 2-Aryl-2*H*-indazoles with Triarylsulfonium Salts

Cluster 457

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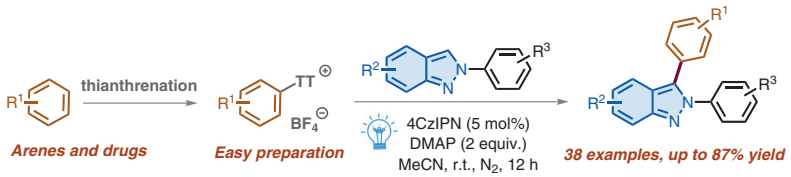

- Visible-light-promoted
- Transition-metal-free
- Broad reaction scope
- Gram-scale
- Simple operation
- Modification of drug molecules

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Synlett **2023**, *34*, 465–470
DOI: 10.1055/a-1908-3876

Construction of Spiropyrroloindolines by Dearomative [3+2]-Cycloaddition of Indoles with Oxindole-Embedded Azaoxyallyl Cations

Cluster 465

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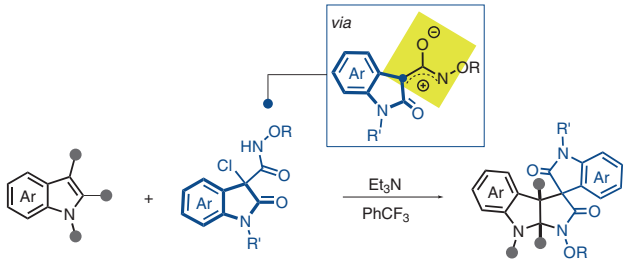

18 examples
45–94% yield

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Synlett **2023**, *34*, 471–476
DOI: 10.1055/s-0041-1738692

Photo-organocatalytic Synthesis of β-Keto Sulfonyl Fluorides via Radical Fluorosulfonylation of Vinyl Acetates

Cluster 471

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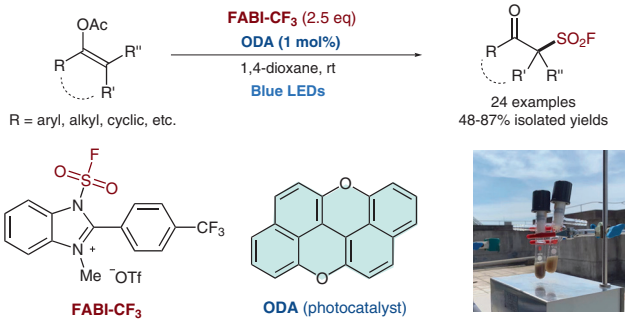

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Synlett
Synlett **2023**, *34*, 477–482
DOI: 10.1055/a-1914-1799

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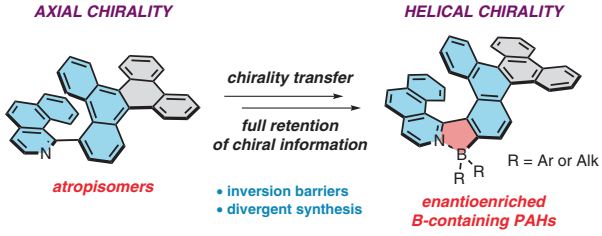
Synthesis of Enantioenriched Azaborole Helicenes by Chirality Transfer from Axially Chiral Biaryls

Cluster

477



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Synlett **2023**, *34*, 483–487
DOI: 10.1055/a-2012-4835

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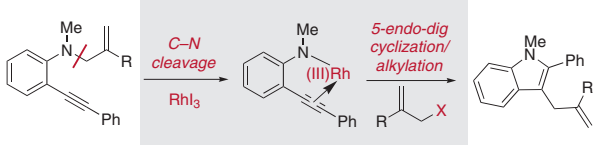
Rhodium(III) Iodide Catalyzed Carboamination of Alkynes through C–N Bond Activation

Cluster

483



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Synlett **2023**, *34*, 488–492
DOI: 10.1055/a-2000-0442

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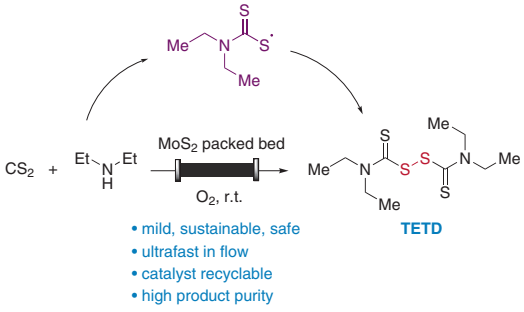
MoS_2-Catalyzed Aerobic Synthesis of Tetraethylthiuram Disulfide in Batch and Continuous Flow

Letter

488



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