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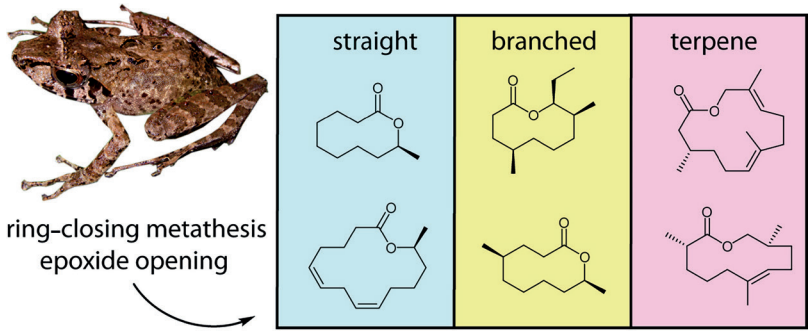
Accounts and Rapid Communications in Chemical Synthesis

October 21, 2021 • Vol. 32, 1675–1776



Chemical Diversity of Volatile Macrocylic Lactones from Frogs

S. Schulz, D. Poth, P. S. Peram, S. Hötling, M. Menke, K. Melnik, R. Röpke

17

Thieme

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Rapid Communications
in Chemical Synthesis

2021
Vol. 32, No. 17
October II

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Rhodium-Catalyzed Direct Allylation of Simple Arenes by Using *Gem*-Difluorinated Cyclopropanes as Allyl Surrogates

Synpacts

Synlett **2021**, *32*, 1675–1682
DOI: 10.1055/a-1536-2738

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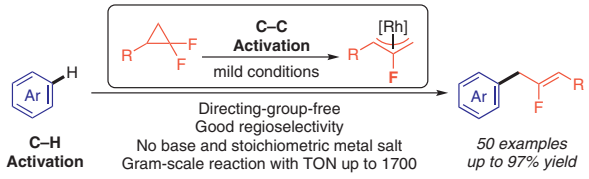

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Chemical Diversity of Volatile Macrocylic Lactones from Frogs

Account

Synlett **2021**, *32*, 1683–1701
DOI: 10.1055/a-1381-2881

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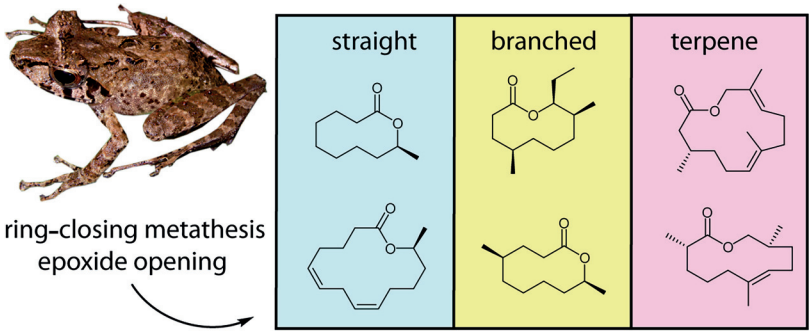

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Synlett **2021**, *32*, 1702–1710
DOI: 10.1055/a-1389-9498

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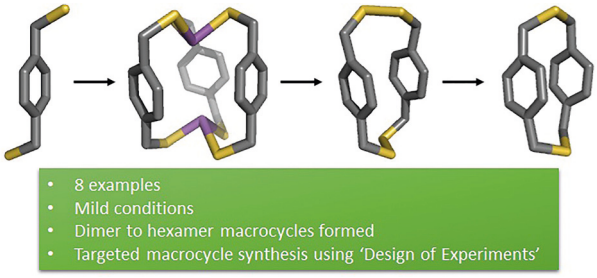
Main Group Supramolecular Chemistry Led to Surprising New Directions in the Self-Assembly of Organic Macrocycles, Cages, and Cyclophanes

Account



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Synlett **2021**, *32*, 1711–1713
DOI: 10.1055/s-0040-1720385

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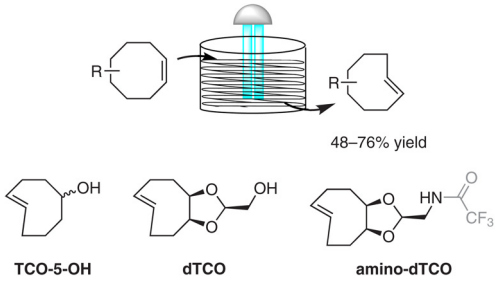
A Simple, Readily Accessible, and Effective Apparatus for the Photoisomerization of *cis*-Cyclooctenes to *trans*-Cyclooctenes

New Tools



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Synlett **2021**, *32*, 1714–1718
DOI: 10.1055/a-1545-7086

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A. Nicosia
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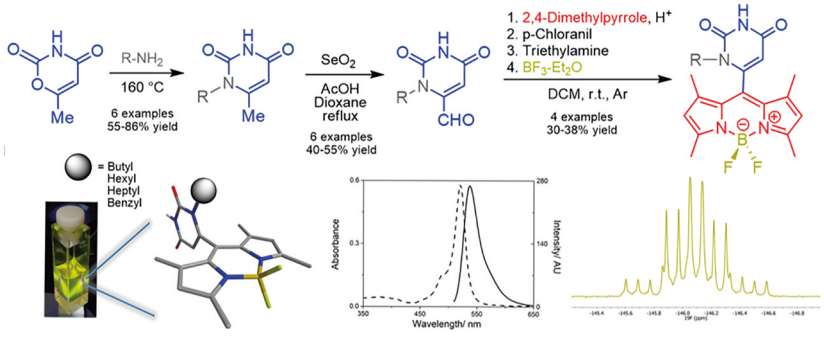
University of Messina, Italy

A Convenient Approach to *meso*-Uracil–4,4-Difluoro-4-bora-3a, 4a-diaza-*s*-indacene Derivatives

Letter



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Synlett **2021**, *32*, 1719–1724
DOI: 10.1055/a-1545-2860

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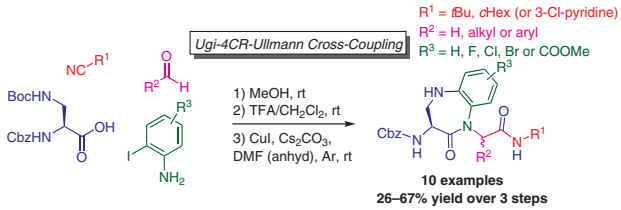
Efficient Synthesis of Polysubstituted 1,5-Benzodiazepinone Dipeptide Mimetics *via* an Ugi-4CR-Ullmann Condensation Sequence

Letter

1719



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Synlett **2021**, *32*, 1725–1729
DOI: 10.1055/s-0040-1719827

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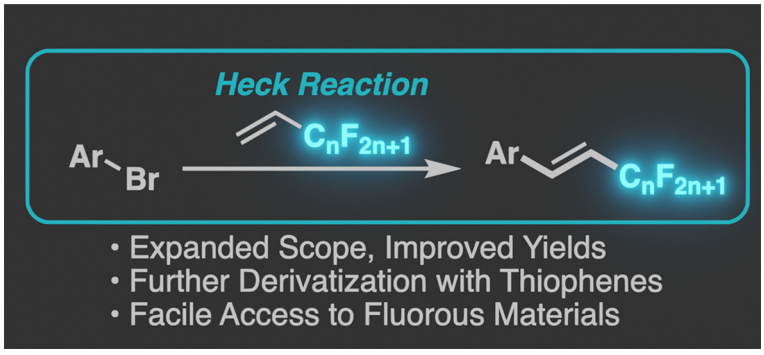
Revisiting the Heck Reaction for Fluorous Materials Applications

Letter

1725



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Synlett **2021**, *32*, 1730–1734
DOI: 10.1055/s-0040-1719828

J. Macara
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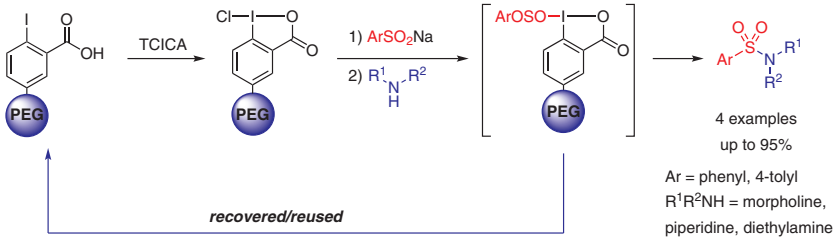
PEG-Supported Hypervalent Iodine Reagent for Sulfonamide Synthesis

Letter

1730



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Synlett **2021**, *32*, 1735–1740
DOI: 10.1055/a-1560-1767

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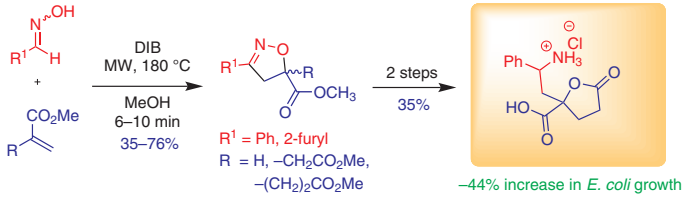
Synthesis and Biological Activity of 2-(2-Amino-2-phenylethyl)-5-oxotetrahydrofuran-2-carboxylic Acid: A Microwave-Assisted 1,3-Dipolar Cycloaddition Approach

Letter



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Synlett **2021**, *32*, 1741–1746
DOI: 10.1055/a-1581-2345

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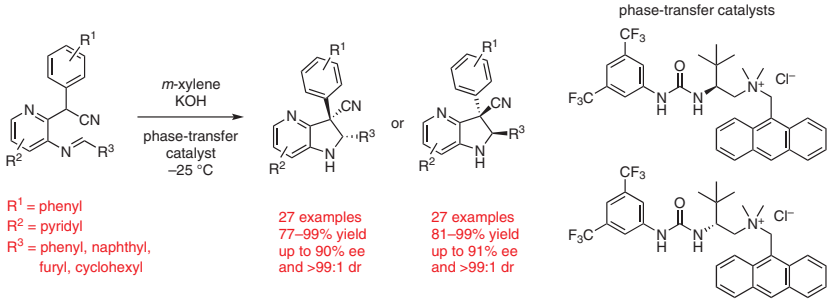
Asymmetric Synthesis of 3-Phenyl-2,3-dihydro-1*H*-pyrrolo[3,2-*b*]-pyridine-3-carbonitriles Catalyzed by Phase-Transfer Catalyst Derived from *tert*-Leucine

Letter



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Synlett **2021**, *32*, 1747–1750
DOI: 10.1055/s-0040-1719824

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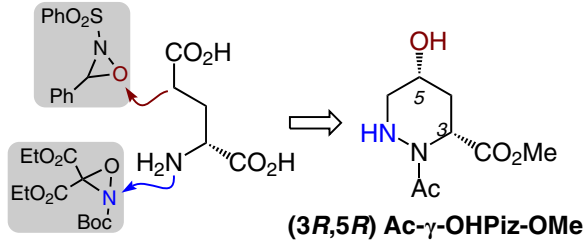
Diastereoselective Synthesis of (3*R*,5*R*)-γ-Hydroxypiperazic Acid

Letter



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One-Pot Synthesis of Cyclic Isothioureas

Letter

1751

Synlett **2021**, *32*, 1751–1756
DOI: 10.1055/a-1580-0899

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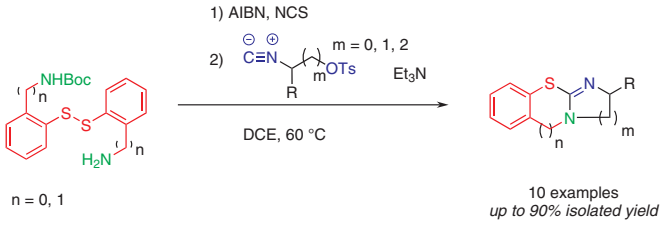

Product ring system diversity
Retention of chirality
High efficiency of synthesis
Up to 5 g scale

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Cu-Catalyzed C–H Activation Reaction: One-Pot Direct Synthesis of Xanthine and Uric Acid Derivatives from 5-Bromouracil

Letter

1757

Synlett **2021**, *32*, 1757–1761
DOI: 10.1055/a-1542-9683

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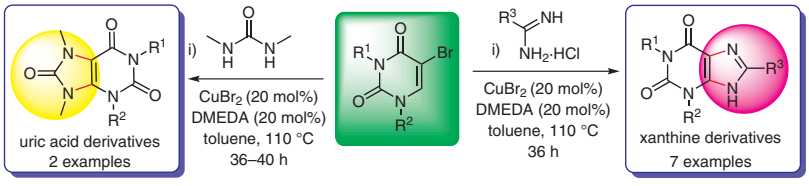

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Ni-Catalyzed Reductive Carbonylation of Alkyl Halides to Form Dialkyl Ketones Using Diphenyl Oxalate as CO Surrogate

Letter

1762

Synlett **2021**, *32*, 1762–1766
DOI: 10.1055/a-1550-7935

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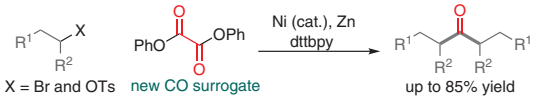

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Iron-Catalyzed C(sp^3)–H Alkylation through Ligand-to-Metal Charge Transfer

Letter

1767

Synlett **2021**, *32*, 1767–1771
DOI: 10.1055/s-0040-1720388

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$(NH_4)_2S_2O_8$-Promoted Direct C–C Coupling of Indoles with Quinones/Hydroquinones without Catalyst

Letter

1772

Synlett **2021**, *32*, 1772–1776
DOI: 10.1055/s-0040-1720391

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