Intermolecular Trapping of Alkoxyl Radicals with Alkenes: A New Route to Ether Synthesis

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Visible-Light Reductive Cyclization of Nonactivated Alkyl Chlorides

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An Old Dog with New Tricks: Enjoin Wolff–Kishner Reduction for Alcohol Deoxygenation and C–C Bond Formations

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Electrophilic Amination: An Update

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Surveying Iron–Organic Framework TAL-1-Derived Materials in Ligandless Heterogeneous Oxidative Catalytic Transformations of Alkylarenes

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Enantioselective Synthesis of 1-Substituted 1,2,3,4-Tetrahydroisoquinolines through 1,3-Dipolar Cycloaddition by a Chiral Phosphoric Acid

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DOI: 10.1055/s-0039-1690108

- Enantioselective 1,3-Dipolar Cycloaddition Reaction
- Chiral Phosphoric Acid
- Exo-selective up to 87% ee

Synthesis of New 7,8-Dioxa[6]helicenes with Triazole Rings as Potential Molecular Tweezers

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- NBS
- R = N
- Bn
- CH2

Copper-Catalyzed Twofold Silymetalation of Alkynes

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- 11 examples
- 20 to 85%
Isothiourea-Catalysed Sequential Kinetic Resolution of Acyclic (±)-1,2-Diols

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Isothiourea (iPrCO)2O, iPr2NEt
CHCl3, 0 °C

[1R,2R] (1R,2R)

N
N
S

† 1 mol% catalyst

R = aryl, alkenyl, alkynyl

combined yield: 36–49%

44–50%

reinforcement of enantioselectivity

all products highly enantioenriched

Chelation-Based Homologation by Reaction of Organometallic Reagents with O-Alkyl 5-Pyridin-2-yl Thiocarbonates: Synthesis of Esters from Grignard Reagents

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T. Suzuki
K. Mano
K. Tanaka, III
Y. Hashimoto
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\[
\begin{align*}
\text{R}^1 &= \text{Bn, tBu or Me; } \text{R}^2 &= \text{aryl, alkenyl or alkynyl group} \\
\text{10 examples from 50% to quant yield}
\end{align*}
\]

Et3N-Promoted Tandem Cyclization of Bromomaleimides with Active Methylene Compounds: An Efficient Synthesis of cis-3,4-Dihydropyrrolidine-2,5-diones

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H. Wang
W. Chen*
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\[
\begin{align*}
\text{R}^1 &= \text{CH2Ph, Ar} \\
\text{R}^2, \text{R}^3 &= (\text{CH2})_3\text{CO} \\
\text{R}^2 &= \text{CH3, R}^3 &= \text{COMe, COOEt} \\
\text{5 mol% TBAB, Et3N} \\
\text{THF, r.t.}
\end{align*}
\]

\[
\begin{align*}
\text{R}^2 &= \text{Ph, R}^3 &= \text{CN} \\
\text{32 examples} \\
\text{44–84% yield}
\end{align*}
\]

\[
\begin{align*}
\text{R}^1 &= \text{CH2Ph, Ar} \\
\text{R}^2 &= \text{COOC2H5, CN, SO2Ph} \\
\text{25 examples} \\
\text{63–95% yield}
\end{align*}
\]
**Hypervalent Iodine Mediated Efficient Solvent-Free Regioselective Halogenation and Thiocyanation of Fused N-Heterocycles**

D. R. Indukuri  
G. R. Potuganti  
M. Alla*  
CSIR-Indian Institute of Chemical Technology, India

Letter  
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**Direct Synthesis of 1-Arylprop-1-ynes with Calcium Carbide as an Acetylene Source**

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Z. Li*  
Northwest Normal University, P. R. of China

Letter  
1580

**Iron-Catalyzed Regioselective Decarboxylative Alkylation of Coumarins and Chromones with Alkyl Diacyl Peroxides**

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B. Sun*  
Z. Yan  
T. Xu  
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Letter  
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**Palladium-Catalyzed Carbonylative Synthesis of Benzogerminones**

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**Iron-Catalyzed Direct Transformation of Benzylic Amines into Carbonyl Compounds in Water**

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**Copper-Catalyzed Carbene Insertion into the Sulfur–Sulfur Bond of RS–SCF₂H/SCF₃ under Mild Conditions**

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