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SYNLETT

Accounts and Rapid Communications in Synthetic Organic Chemistry

Synpacts

Y. Wang, X. Su, C. Chen

One-Pot Synthesis of Multiply Substituted Quinoline and Quinazoline Derivatives via [2+2+2] Cascade Annulation with Diaryliodonium Salts

S. H. Jungbauer, S. Schindler, F. Kniep,

S. M. Walter, L. Rout, S. M. Huber

Multidentate Halogen-Bond Donors as Lewis Acidic Activators or Catalysts in Halide Abstraction Reactions

Accounts

M. Sollogoub

Site-Selective Heterofunctionalization of Cyclodextrins: Discovery, Development, and Use in Catalysis

V. Singh

Molecular Complexity and Diversity from Aromatics. The Chemistry of Spiro[cyclohexa-2,4-dienone-6,2'-oxiranes] and Their Congeners: Cycloaddition and Beyond

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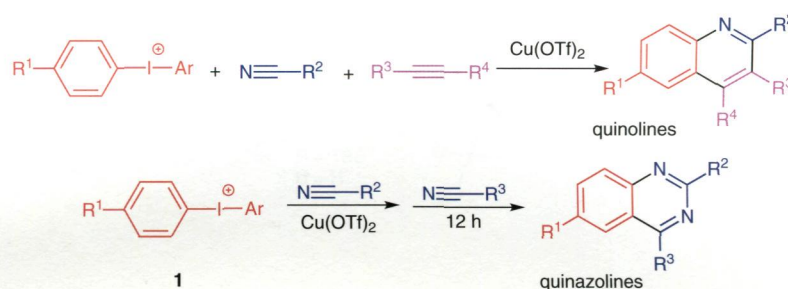
December 17, 2013



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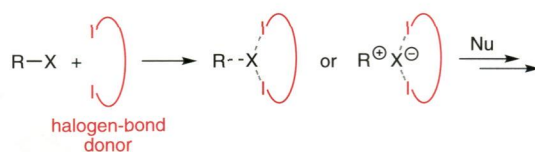
2619 Y. Wang
X. Su
C. Chen*

One-Pot Synthesis of Multiply Substituted Quinoline and Quinazoline Derivatives via [2+2+2] Cascade Annulation with Diaryliodonium Salts



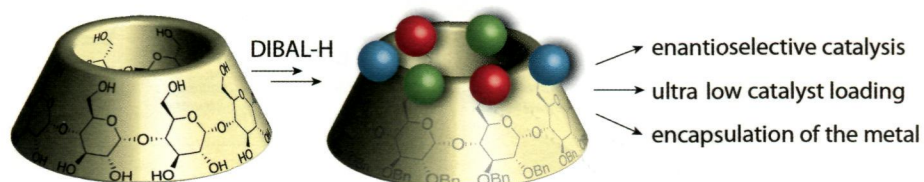
2624 S. H. Jungbauer
S. Schindler
F. Kniep
S. M. Walter
L. Rout
S. M. Huber*

Multidentate Halogen-Bond Donors as Lewis Acidic Activators or Catalysts in Halide Abstraction Reactions

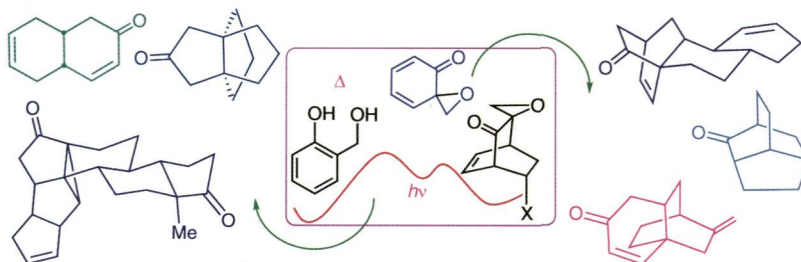


2629 M. Sollogoub*

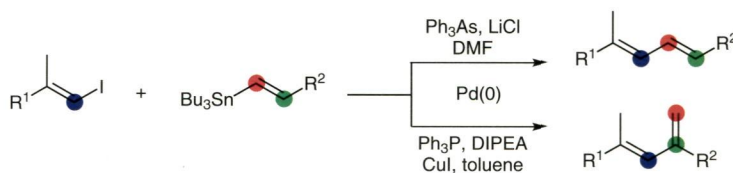
Site-Selective Heterofunctionalization of Cyclodextrins: Discovery, Development, and Use in Catalysis



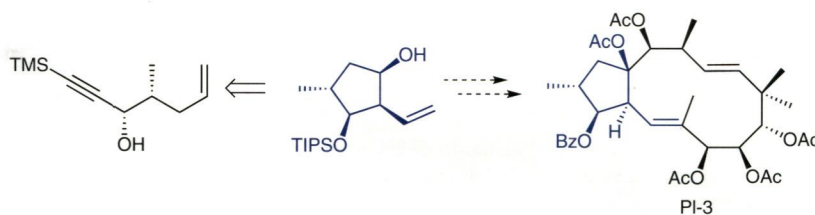
- 2641 V. Singh* **Molecular Complexity and Diversity from Aromatics. The Chemistry of Spiro[cyclohexa-2,4-dienone-6,2'-oxiranes] and Their Congeners: Cycloaddition and Beyond**



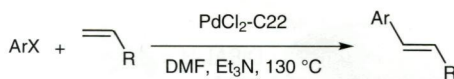
- 2660 N. Kanoh*
Y. Ohno
T. Itagaki
H. Fukuda
Y. Iwabuchi **On the Origin of *cis*-Substitution in the Stille Coupling of Trisubstituted Iodoalkene and *trans*-Vinylstannane**



- 2665 C. Lentsch
R. Fürst
U. Rinner* **Enyne Metathesis Approach towards the Cyclopentane Motif of Jatrophone Diterpenes**

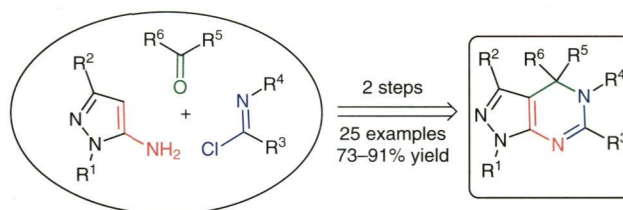


- 2671 B. Movassagh*
S. Yasham
M. Navidi **Cryptand-22 as an Efficient Ligand for the Palladium-Catalyzed Mizoroki-Heck Reaction under Air**



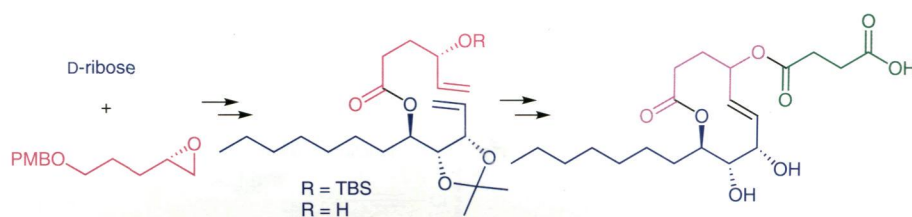
- 2675 S. V. Ryabukhin*
D. S. Granat
A. S. Plaskon
D. M. Volochnyuk
A. N. Shivanyuk*

Synthesis of Pyrazolo[3,4-*d*]-4,5-dihydropyrimidines through [5+1] Cyclocondensation



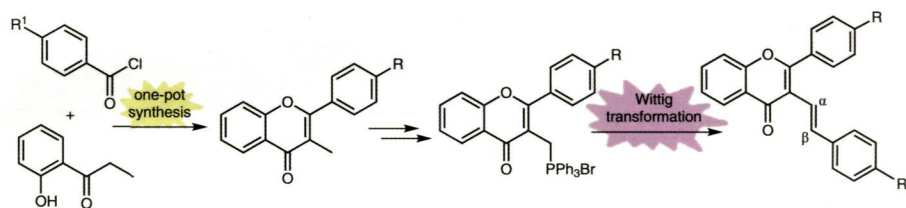
- 2679 D. K. Mohapatra*
D. P. Reddy
D. S. Karhale
J. S. Yadav

A Carbohydrate-Based Approach for the Total Synthesis of Xyloide



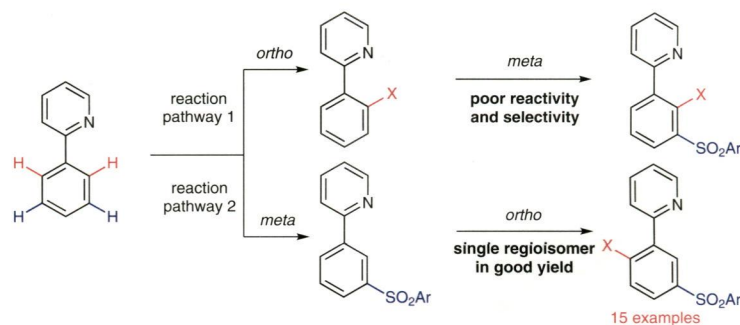
- 2683 D. H. A. Rocha
D. C. G. A. Pinto*
A. M. S. Silva*

One-Pot Synthesis of 3-Methylflavones and Their Transformation into (*E*)-3-Styrylflavones via Wittig Reactions



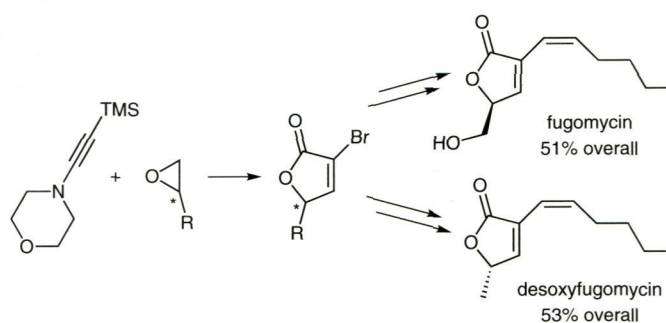
- 2687 W. R. Reynolds
P. M. Liu
G. Kociok-Köhn
C. G. Frost*

Sequential Chelation-Assisted Aromatic C–H Functionalisation via Catalytic *meta* Sulfonation



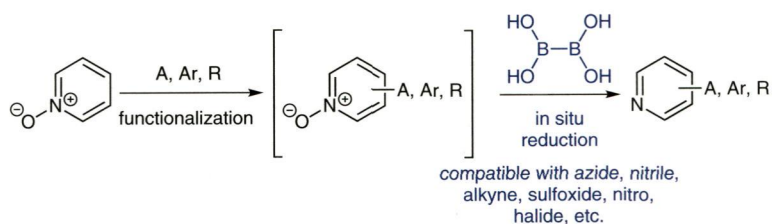
- 2691 J. Boukouvalas*
N. Bruneau-Latour

Short, Enantioselective Total Syntheses of Fugomycin and Desoxyfugomycin via Sonogashira Alkynylation of α -Bromobutenolides



- 2695 A. T. Londregan*
D. W. Piotrowski
J. Xiao

Rapid and Selective in situ Reduction of Pyridine-*N*-oxides with Tetrahydroxydiboron



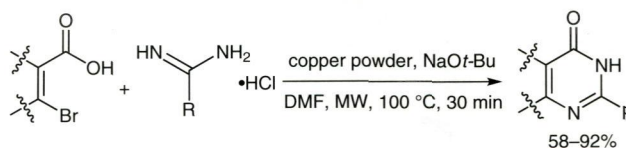
- 2701 Y. Sugiyama
M. Hirose
J. Matsui
N. Endo
H. Hamamoto
T. Shioiri
M. Matsugi*

Liquid-Phase Split-Type Combinatorial Synthesis of Tripeptide Derivatives Encoded by Fluorous Fmoc Reagents



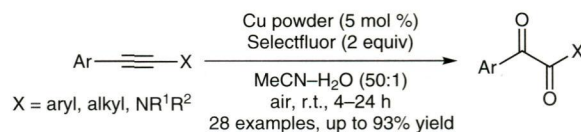
- 2705 S. L. Ho
C. S. Cho*

Microwave-Assisted Copper-Powder-Catalyzed Synthesis of Pyrimidinones from β -Bromo α,β -Unsaturated Carboxylic Acids and Amidines



2709 W. Zhang
J. Zhang
Y. Liu*
Z. Xu

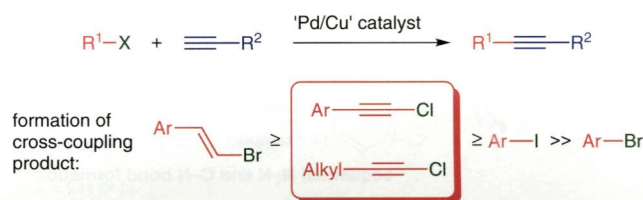
A Combination of Copper(0) Powder and Selectfluor Enables Generation of Cationic Copper Species for Mild 1,2-Dicarbonylation of Alkynes



- inexpensive transition-metal catalyst
- inexpensive and environmentally benign oxygen sources
- mild reaction conditions

2715 M. A. Christensen
M. Rimmen
M. B. Nielsen*

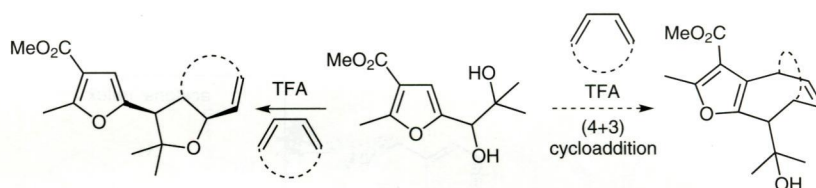
Unsymmetrical Coupling of 1-Chloroalkynes and Terminal Alkynes under Experimental Sonogashira Conditions



... but in regard to general reactivity, chloroalkynes are most reactive

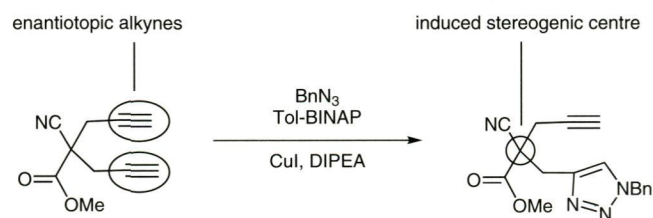
2720 M. J. Palframan
G. Pattenden*

Indirect Support for a Stepwise Carbonium Ion Pathway Operating in (4+3)-Cycloaddition Reactions between Furanoxonium Ions and 1,3-Dienes

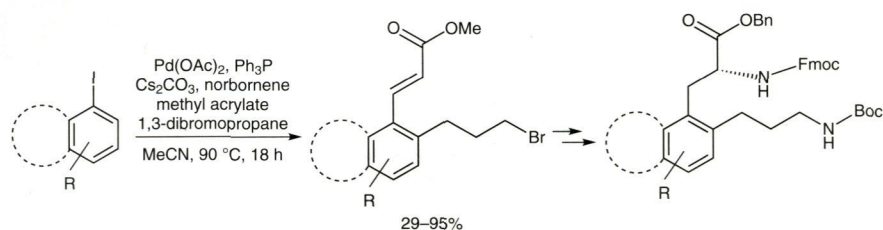


2723 G. R. Stephenson*
J. P. Buttress
D. Deschamps
M. Lancelot
J. P. Martin
A. I. G. Sheldon
C. Alayrac
A.-C. Gaumont
P. C. B. Page

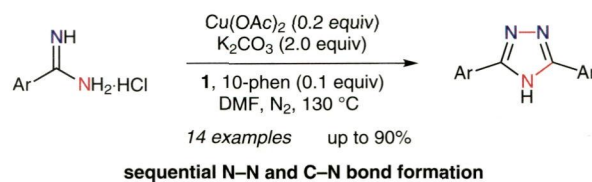
An Investigation of the Asymmetric Huisgen 'Click' Reaction



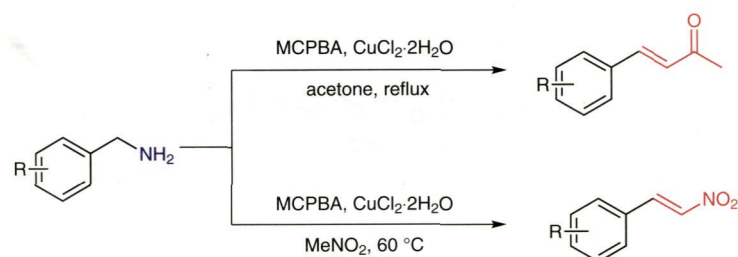
2730

T. Stark
M. Suhartono
M. W. Göbel*
M. Lautens***A Palladium-Catalyzed Domino Reaction as Key Step for the Synthesis of Functionalized Aromatic Amino Acids**

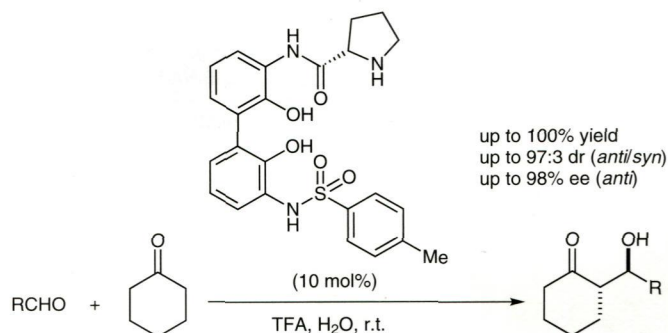
2735

Z. Li
Z. Zhang*
W. Zhang
Q. Liu
T. Liu
G. Zhang***Copper-Mediated Sequential C–N and N–N Bond Formation: Facile Synthesis of Symmetrical 1,2,4-Triazoles**

2740

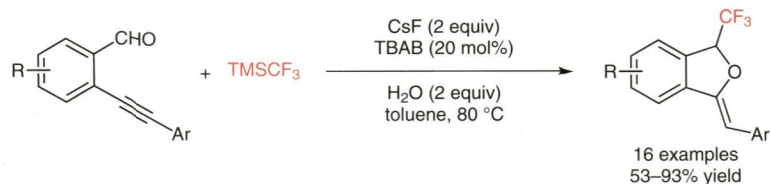
J. Liu
X.-R. Zhu
J. Ren
W.-D. Chen*
B.-B. Zeng***Copper-Catalyzed One-Pot Oxidation–Aldol/Henry Reaction of Benzylic Amines to α,β -Unsaturated Methyl Ketone/Nitro Compounds**

2743

H.-W. Zhao*
Z.-H. Sheng
W. Meng
Y.-Y. Yue
H.-L. Li
X.-Q. Song
Z. Yang**Design, Synthesis and Organocatalysis of 2,2'-Biphenol-Based Prolinamide Organocatalysts in the Asymmetric Direct Aldol Reaction in Water**

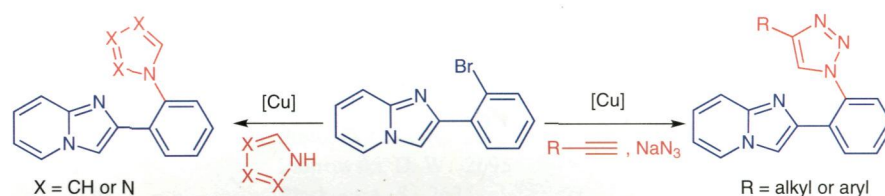
2748 B.-L. Hu
C.-L. Li
Z.-Y. Liao
X.-G. Zhang*

Tetrabutylammonium Bromide Catalyzed Tandem Addition/Cyclization of *o*-Aralkynylaryl Aldehydes with Trimethyl(trifluoromethyl)silane: Synthesis of Trifluoromethyl Group Containing Phthalans



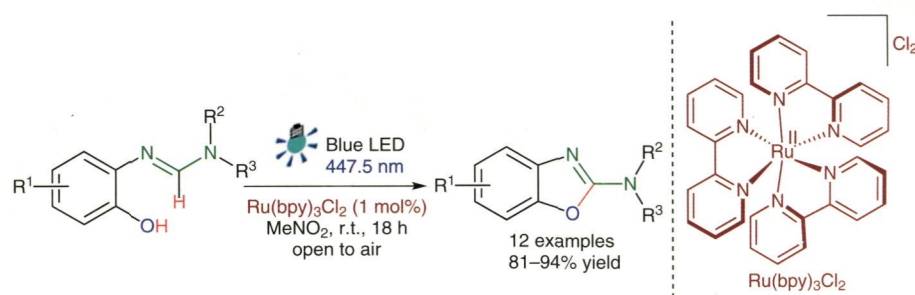
2751 P. Kaswan
K. Pericherla
A. Kumar*

Ligand-Free, Copper-Catalyzed Ullmann-Type C–N Coupling: Regioselective Synthesis of Azole-Substituted Imidazo[1,2-*a*]pyridines



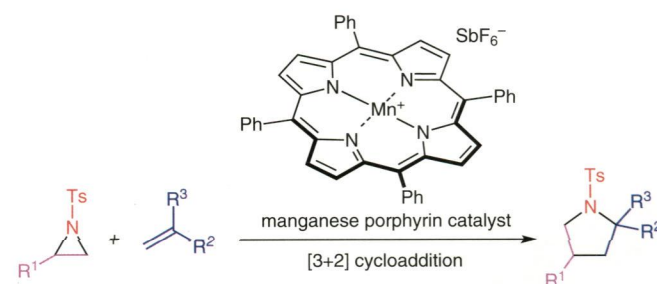
2758 V. P. Srivastava*
L. D. S. Yadav*

Visible-Light-Triggered Oxidative C–H Aryloxylation of Phenolic Amidines; Photocatalytic Preparation of 2-Aminobenzoxazoles



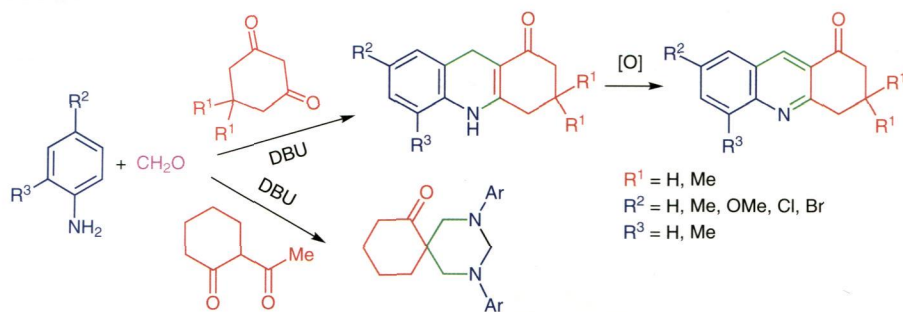
2763 T. Ozawa
T. Kurahashi*
S. Matsubara*

[3+2] Cycloaddition of Aziridines and Alkenes Catalyzed by a Cationic Manganese Porphyrin



- 2768 C. G. Neochoritis
N. Eleftheriadis
A. Tsiantou
J. Stephanidou-Stephanatou*
C. A. Tsoleridis*

One-Pot DBU-Promoted Synthesis of Hydroacridinones and Spirohexahydro-pyrimidines



- 2773 Compiled by
L. Buglioni

Oxaziridines

- 2775 Compiled by
L. Chen

Acrolein