

PN
S98/a

SYNLETT

Accounts and Rapid Communications in Synthetic Organic Chemistry

Synopsis

J. M. Schenker, R. D. Grigg
Activating Group Recycling: A Fresh
Approach to Arene Functionalization

Q. Cai, F. Zhou
Development and Challenges in
Copper-Catalyzed Asymmetric
Ullmann-Type Coupling Reactions

Accounts

Z. Hassan, T. Paganay, P. Langer
Regioselective Suzuki–Miyaura
Reactions of Aromatic Bis-triflates:
Electronic versus Steric Effects

M. Brown, U. Farid, T. Smith
Hypervalent Iodine Reagents
as Powerful Electrophiles

2013 • Vol. 24, 401–530

March 7, 2013

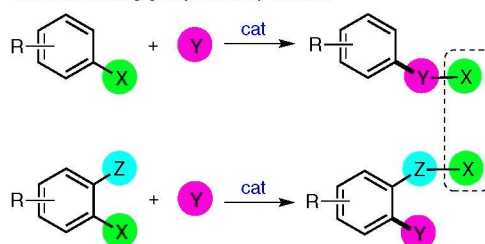


Thieme

401 J. M. Schomaker*
R. D. Grigg

Activating Group Recycling: A Fresh Approach to Arene Functionalization

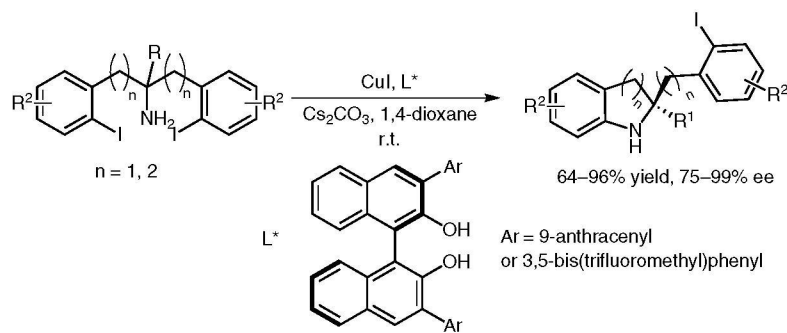
novel activating group reincorporation:



"X" retained for further functionalization

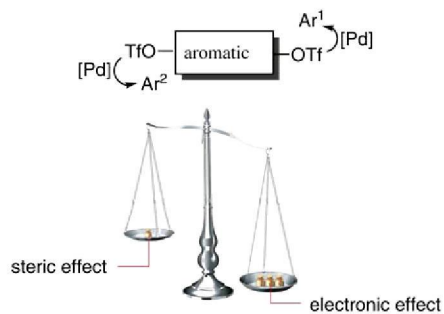
408 Q. Cai*
F. Zhou

Development and Challenges in Copper-Catalyzed Asymmetric Ullmann-Type Coupling Reactions



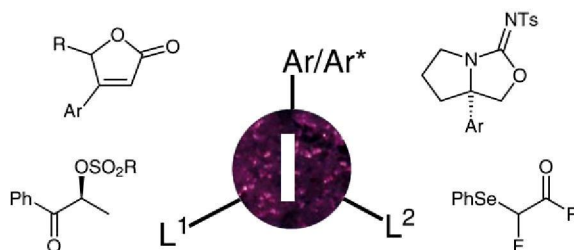
412 Z. Hassan
T. Patonay
P. Langer*

Regioselective Suzuki–Miyaura Reactions of Aromatic Bis-triflates: Electronic versus Steric Effects



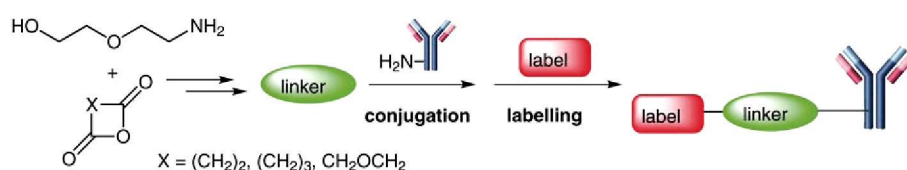
- 424 M. Brown
U. Farid
T. Wirth*

Hypervalent Iodine Reagents as Powerful Electrophiles



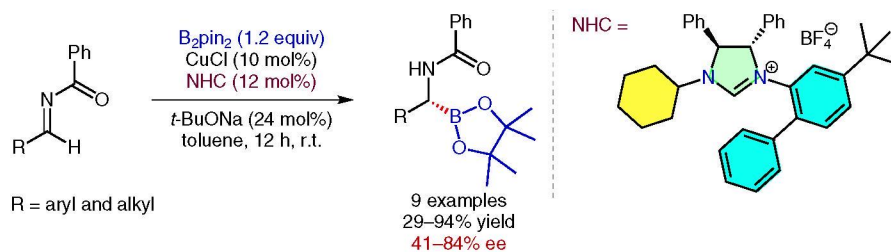
- 432 J.-M. Heldt*
O. Kerzendörfer
C. Mamat
F. Starke
H.-J. Pietzsch
J. Steinbach

Synthesis of Short and Versatile Heterobifunctional Linkers for Conjugation of Bioactive Molecules with (Radio-)Labels



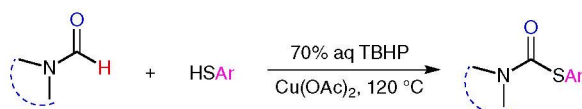
- 437 S.-S. Zhang
Y.-S. Zhao
P. Tian*
G.-Q. Lin*

Chiral NHC/Cu(I)-Catalyzed Asymmetric Hydroboration of Aldimines: Enantioselective Synthesis of α -Amido Boronic Esters



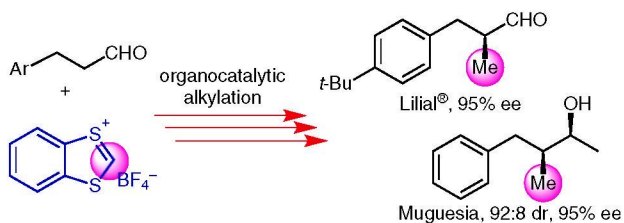
- 443 Y.-q. Yuan*
S.-r. Guo
J.-n. Xiang*

Cu(OAc)₂-Catalyzed Thiolation of Acyl C–H Bonds with Thiols Using TBHP as an Oxidant



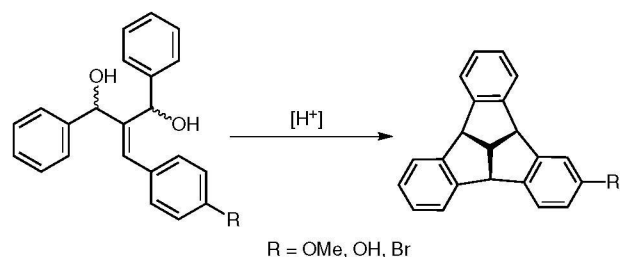
- 449 A. Gualandi*
M. G. Emma
J. Giacoboni
L. Mengozzi
P. G. Cozzi

A Highly Stereoselective Organocatalytic Approach to Lilial® and Muguesia



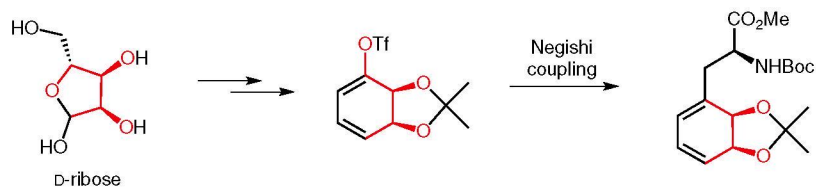
- 453 R. Saravanakumar
G. Markopoulos
L. G. Bahrin
P. G. Jones
H. Hopf*

The Regiospecific Preparation of 2-Substituted Tribenzotriquinacenes



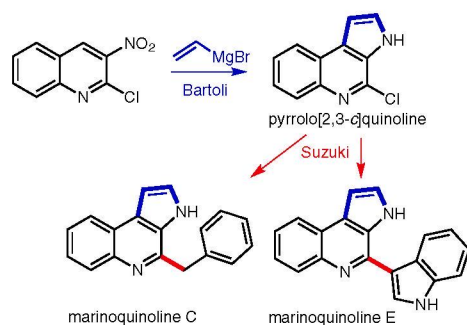
- 457 F. Sun
P. Metz*

Synthesis and Application of an Enantiomerically Pure Triflate Analogue of Microbially Derived 3-Halo-*cis*-1,2-dihydrocatechol Acetonides



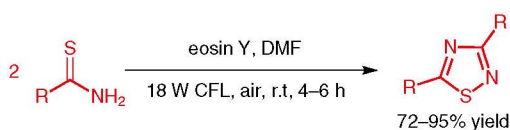
- 461 A. C. Lindsay
J. Sperry*

Extending the Utility of the Bartoli Indolization: Synthesis of Marinoquinolines C and E



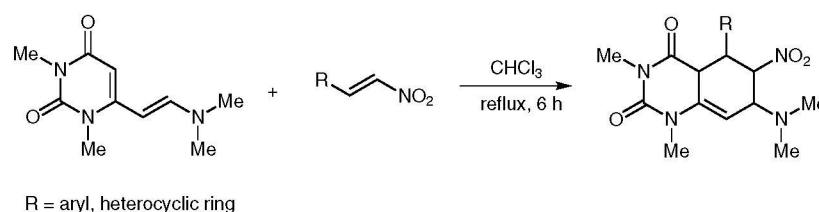
- 465 V. P. Srivastava
A. K. Yadav
L. D. S. Yadav*

Eosin Y Catalyzed Visible-Light-Driven Aerobic Oxidative Cyclization of Thioamides to 1,2,4-Thiadiazoles



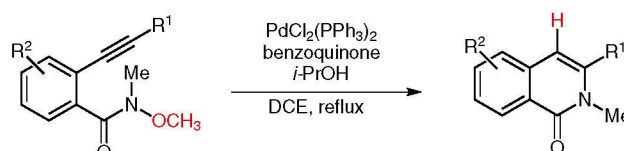
- 471 M. M. Sarmah
D. Prajapati*
W. Hu

Synthesis of Novel and Complex Tetrahydroquinazolinone and Dihydro-pyrido[2,3-d]pyrimidine Derivatives via a One-Pot [4+2]-Cycloaddition Strategy



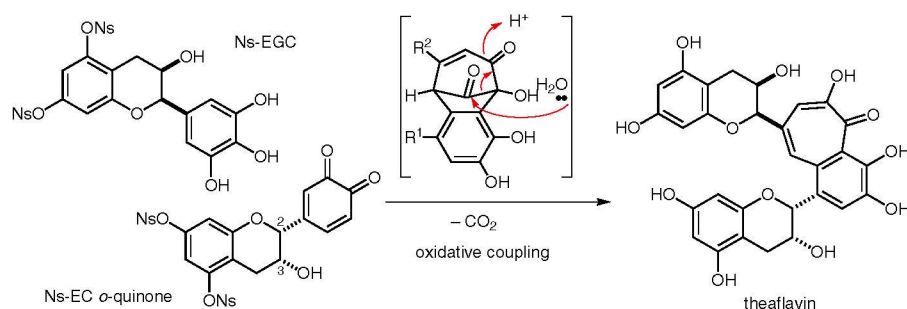
- 475 M. Jithunsa
M. Ueda*
N. Aoi
S. Sugita
T. Miyoshi
O. Miyata*

Palladium-Catalyzed Synthesis of Isoquinolinones via Sequential Cyclization and N-O Bond Cleavage of N-Methoxy-o-alkynylbenzamides



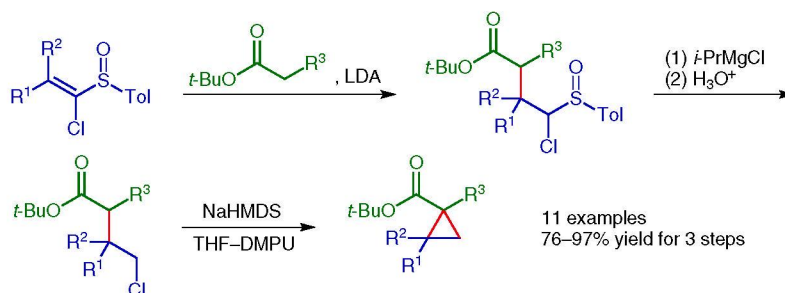
- 479 Y. Kawabe
Y. Aihara
Y. Hirose
A. Sakurada
A. Yoshida
M. Inai
T. Asakawa
Y. Hamashima
T. Kan*

Synthesis of Theaflavins via Biomimetic Oxidative Coupling Reactions



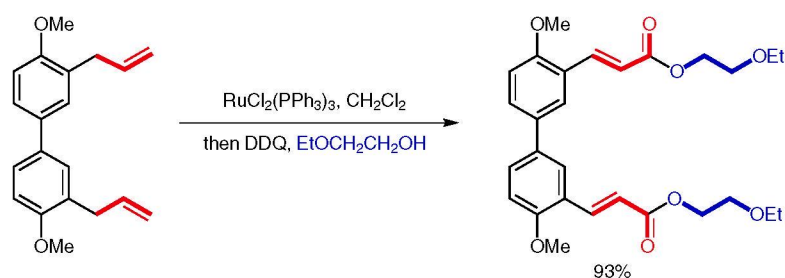
483 T. Kimura
Y. Hattori
H. Momochi
N. Nakaya
T. Satoh*

Efficient Synthesis of Cyclopropanecarboxylic Acid Esters Starting from the Conjugate Addition of Lithium Ester Enolates to 1-Chlorovinyl *p*-Tolyl Sulfoxides



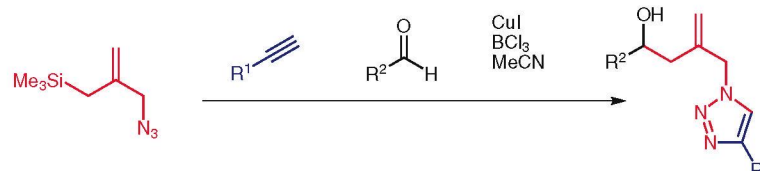
487 M.-Y. Chang*
S.-Y. Lin
C.-K. Chan

One-Pot Access to Cinnamates via Direct Oxidative C–H Transformation of Allylarenes



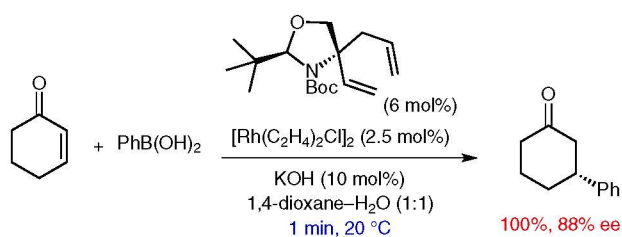
491 S. Ferrini
E. Cini
M. Taddei*

Synthetic Applications of 2-(Azidomethyl)allyltrimethylsilane



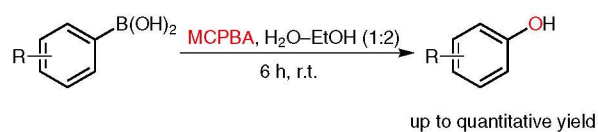
496 N. W. G. Fairhurst
R. H. Munday
D. R. Carbery*

Simple Oxazolidine Chiral Diene Ligands for Enantioselective Rh-Catalyzed Conjugate Additions



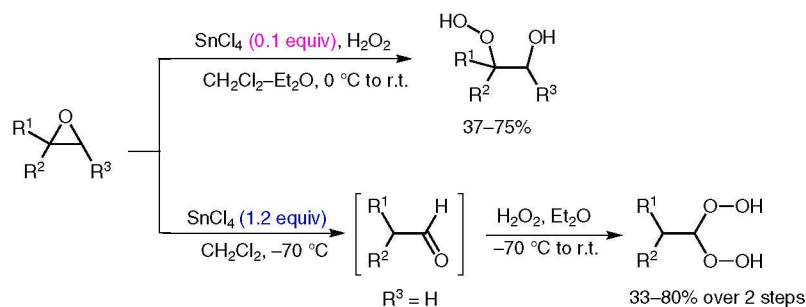
499 D.-S. Chen
J.-M. Huang*

A Mild and Highly Efficient Conversion of Arylboronic Acids into Phenols by Oxidation with MCPBA



502 X. Yan
C. Qiao*
Z. Guo

Tin(IV) Chloride Promoted Reaction of Oxiranes with Hydrogen Peroxide



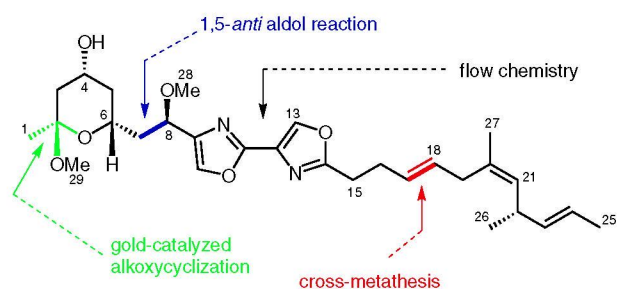
507 Y.-X. Liu
D. Xue*
J.-D. Wang
C.-J. Zhao
Q.-Z. Zou
C. Wang
J. Xiao*

Room-Temperature Arylation of Arenes and Heteroarenes with Diaryliodonium Salts by Photoredox Catalysis



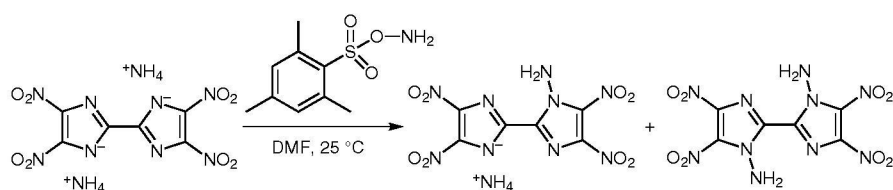
514 A. Fernández
Z. G. Levine
M. Baumann
S. Sulzer-Mossé
C. Sparr
S. Schläger
A. Metzger
I. R. Baxendale
S. V. Ley*

Synthesis of (–)-Hennoxazole A: Integrating Batch and Flow Chemistry Methods



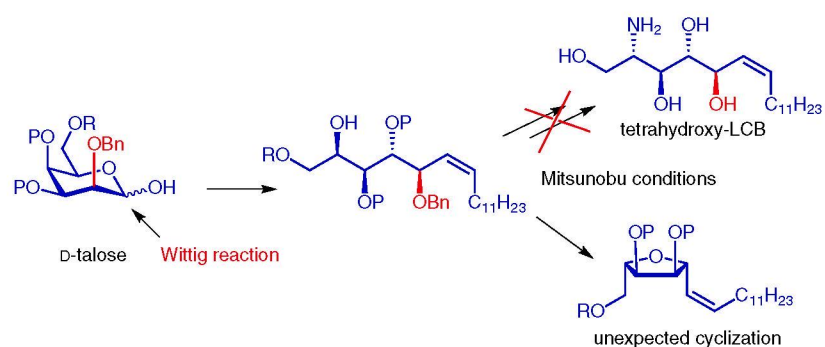
- 519 M. M. Breiner
D. E. Chavez*
D. A. Parrish

Nucleophilic Reactions of The Bis Ammonium Salt of 4,4',5,5'-Tetranitro-2,2'-biimidazole



- 522 H.-L. Chuang
R. C. Sawant
S.-Y. Luo*

Unexpected Cyclization During the Mitsunobu Reaction of D-Talose Derivatives



- 527 Compiled by
C. B. Kelly

2,2,6,6-Tetramethylpiperidine-Based Oxoammonium Salts

- 529 Compiled by
A. Monleón

α -Amido Sulfones as Imine Precursors in Enantioselective Nucleophilic Additions

XV

Forthcoming Articles

Author Index

- Aihara, Y. 479
Aoi, N. 475
Asakawa, T. 479
- Bahrin, L. G. 453
Baumann, M. 514
Baxendale, I. R. 514
Breiner, M. M. 519
Brown, M. 424
- Cai, Q. 408
Carbery, D. R. 496
Chan, C.-K. 487
Chang, M.-Y. 487
Chavez, D. E. 519
Chen, D.-S. 499
Chuang, H.-L. 522
Cini, E. 491
Cozzi, P. G. 449
- Emma, M. G. 449
- Fairhurst, N. W. G. 496
Farid, U. 424
Fernández, A. 514
Ferrini, S. 491
- Giacoboni, J. 449
Grigg, R. D. 401
Gualandi, A. 449
Guo, S.-r. 443
Guo, Z. 502
- Hamashima, Y. 479
Hassan, Z. 412
Hattori, Y. 483
Heldt, J.-M. 432
Hirose, Y. 479
Hopf, H. 453
Hu, W. 471
Huang, J.-M. 499
- Inai, M. 479
- Jithunsa, M. 475
Jones, P. G. 453
- Kan, T. 479
Kawabe, Y. 479
Kelly, C. B. 527
Kerzendörfer, O. 432
Kimura, T. 483
- Langer, P. 412
Levine, Z. G. 514
Ley, S. V. 514
Lin, G.-Q. 437
Lin, S.-Y. 487
Lindsay, A. C. 461
Liu, Y.-X. 507
Luo, S.-Y. 522
- Mamat, C. 432
Markopoulos, G. 453
Mengozi, L. 449
Metz, P. 457
- Metzger, A. 514
Miyata, O. 475
Miyoshi, T. 475
Momochi, H. 483
Monleón, A. 529
Munday, R. H. 496
- Nakaya, N. 483
- Parrish, D. A. 519
Patonay, T. 412
Pietzsch, H.-J. 432
Prajapati, D. 471
- Qiao, C. 502
- Sakurada, A. 479
Saravanakumar, R. 453
Sarmah, M. M. 471
Satoh, T. 483
Sawant, R. C. 522
Schläger, S. 514
Schomaker, J. M. 401
Sparr, C. 514
Sperry, J. 461
Srivastava, V. P. 465
Starke, F. 432
Steinbach, J. 432
Sugita, S. 475
Sulzer-Mossé, S. 514
Sun, F. 457
- Taddei, M. 491
- Tian, P. 437
- Ueda, M. 475
- Wang, C. 507
Wang, J.-D. 507
Wirth, T. 424
- Xiang, J.-n. 443
Xiao, J. 507
Xue, D. 507
- Yadav, A. K. 465
Yadav, L. D. S. 465
Yan, X. 502
Yoshida, A. 479
Yuan, Y.-q. 443
- Zhang, S.-S. 437
Zhao, C.-J. 507
Zhao, Y.-S. 437
Zhou, F. 408
Zou, Q.-Z. 507