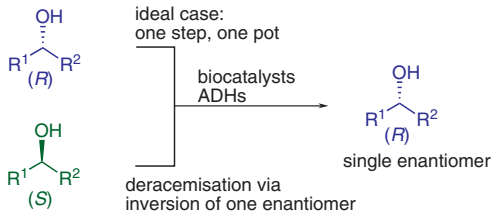
SYNLETT

Accounts and
Rapid Communications in
Synthetic Organic Chemistry

2010
No. 7
April II

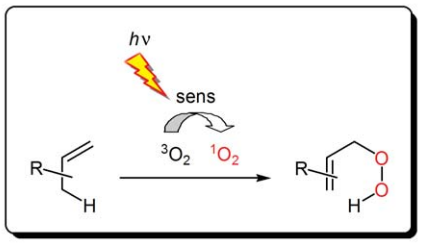
991 C. V. Voss
C. C. Gruber
W. Kroutil*

Deracemisation of Secondary Alcohols via Biocatalytic Stereoinversion



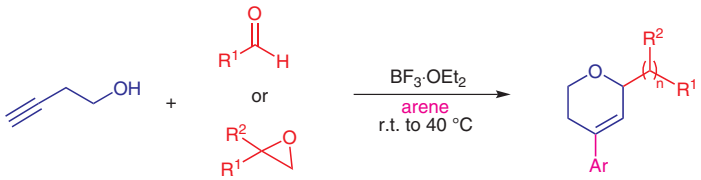
999 M. N. Alberti
M. Orfanopoulos*

Recent Mechanistic Insights in the Singlet Oxygen Ene Reaction



1027 U. C. Reddy
A. K. Saikia*

One-Pot, Three-Component Synthesis of 4-Aryl-5,6-dihydropyran via Prins–Friedel–Crafts Reaction



where n = 0,1; R^1 = Alk, Ar; R^2 = H, Alk

45–95%

online www.thieme-connect.com/ejournals

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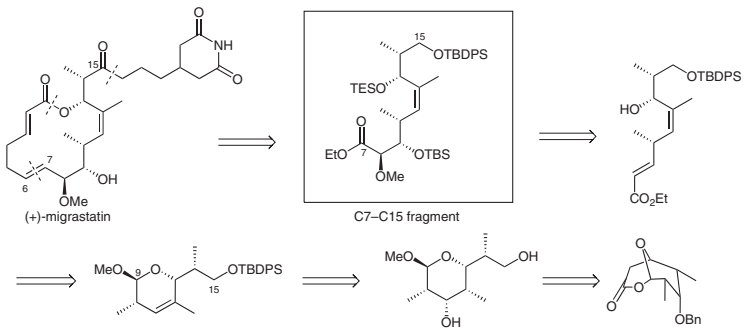
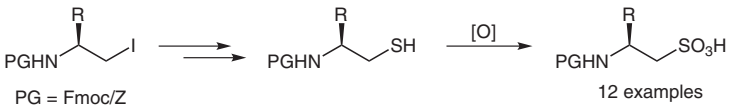
1033 J. S. Yadav*
P. N. Lakshmi

A Concise Approach for the Synthesis of Core Fragment C7–C15 of (+)-Migrastatin Using Desymmetrization Strategy



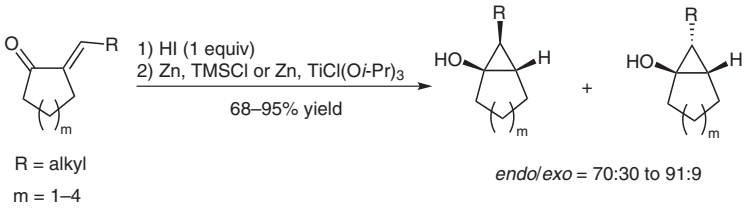
1037 V. V. Sureshbabu*
T. M. Vishwanatha
B. Vasantha

A Simple Synthesis of N^{β}-Fmoc/Z-Amino Alkyl Thiols and their use in the Synthesis of N^{β}-Fmoc/Z-Amino Alkyl Sulfonic Acids



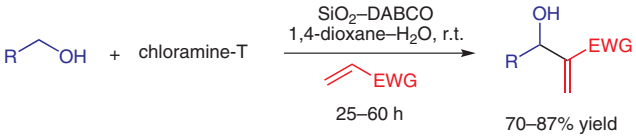
1043 D. G. Kananovich
D. M. Zubrytski
O. G. Kulinkovich*

A Convenient Transformation of 2-Alkylidenecycloalkanones into Alkyl-Substituted Bicyclo[*n*.1.0]alkan-1-ols: Application to the Synthesis of Capsaicin



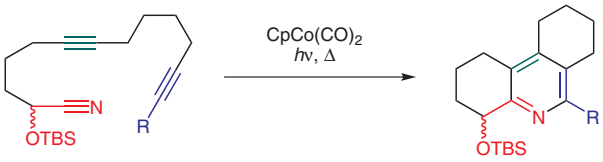
1047 L. D. S. Yadav*
V. P. Srivastava
R. Patel

The First One-Pot Synthesis of Morita–Baylis–Hillman Adducts Starting Directly from Alcohols



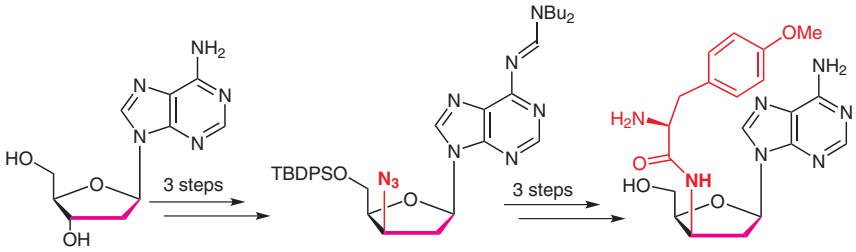
1051 A. Meißner, U. Groth*

Intramolecular Cobalt-Catalyzed [2+2+2] Cycloaddition of O-Protected Diyne-Cyanohydrins



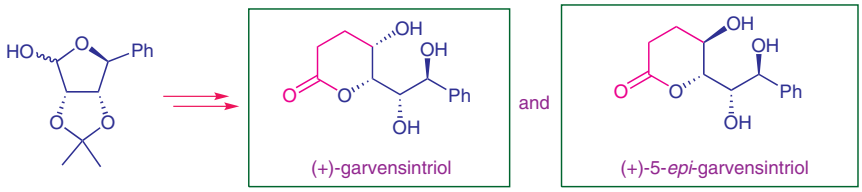
1055 K. S. Krishnakumar, P. Strazewski*

Synthesis of a Deoxyxylopuromycin Analogue



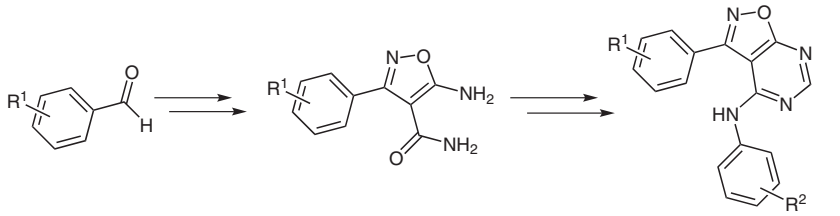
1059 D. K. Mohapatra*, B. P. Kumar, K. Bhaskar, J. S. Yadav*

First Total Syntheses of (+)-Garvensintriol and (+)-5-*epi*-Garvensintriol



1063 G. J. Yu, B. Yang, A. S. Verkman*, M. J. Kurth*

Isoxazolopyrimidines as Novel ΔF508-CFTR Correctors

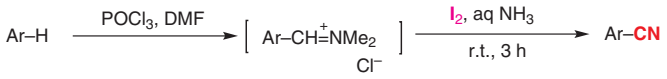


22 examples;
correctors of ΔF508-CFTR

Letters

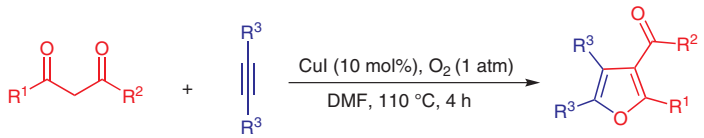
1067 S. Ushijima, H. Togo*

Metal-Free One-Pot Conversion of Electron-Rich Aromatics into Aromatic Nitriles



1071 R. Yan, J. Huang, J. Luo, P. Wen, G. Huang*, Y. Liang*

Copper(I)-Catalyzed Synthesis of Polysubstituted Furans from Alkynoates and 1,3-Dicarbonyl Compounds in the Presence of Oxygen

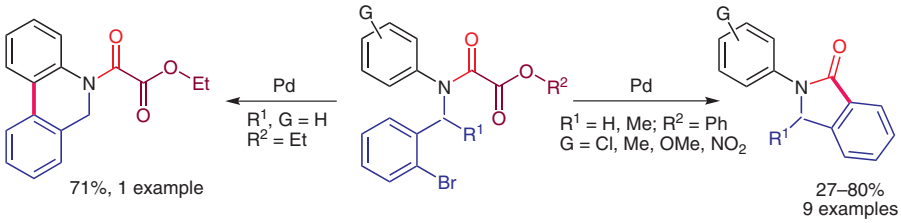


R^1 = Ph, Me, PhNH R^3 = Ph, CO_2Me,CO_2Et
R^2 = Ph, Me, Et, OEt

43–89% yields

1075 Y. Zheng, G. Yu, J. Wu, W.-M. Dai*

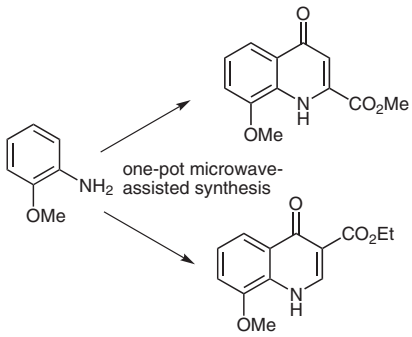
Synthesis of *N*-Arylisoindolin-1-ones via Pd-Catalyzed Intramolecular Decarbonylative Coupling of *N*-(2-Bromobenzyl)oxanilic Acid Phenyl Esters



Reaction conditions: $Pd(OAc)_2$ (10 mol%), dppf (10 mol%), K_2CO_3, DMA, 120 °C, 2 h

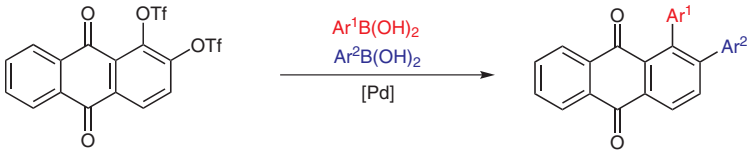
1081 M. Albrecht*, O. Osetska, T. Rantanen, R. Fröhlich, C. Bolm

Microwave-Assisted Preparation of Quinolone and Quinoline Derivatives



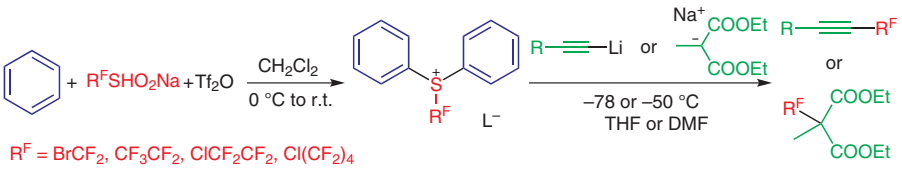
1085 A. Mahal, A. Villinger, P. Langer*

Synthesis of 1,2-Diarylanthraquinones by Site-Selective Suzuki–Miyaura Reactions of the Bis(triflate) of Alizarin



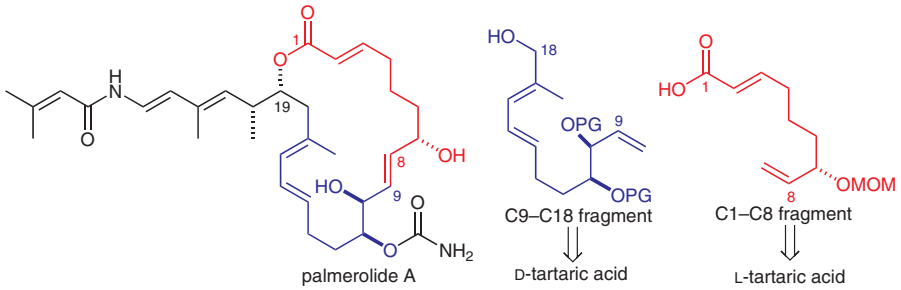
1089 C.-P. Zhang, H.-P. Cao, Z.-L. Wang, C.-T. Zhang, Q.-Y. Chen, J.-C. Xiao*

New Electrophilic Bromodifluoromethylation and Pentafluoroethylation Reagents



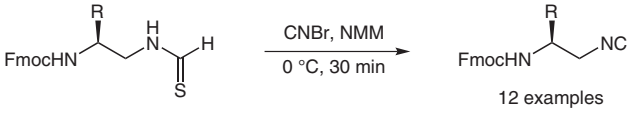
1093 K. R. Prasad*, A. B. Pawar

Stereoselective Synthesis of C1–C18 Region of Palmerolide A from Tartaric Acid



1096 T. M. Vishwanatha, H. P. Hemantha, V. V. Sureshbabu*

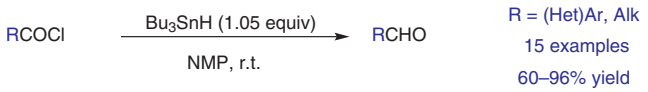
Cyanogen Bromide as Dehydrosulfurizing Agent for the Synthesis of N^{β}-Fmoc-Amino Alkyl Isonitriles from N^{β}-Fmoc-Amino Alkyl Thioformamides



Letters

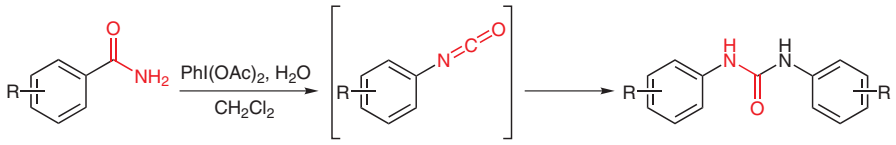
1101 P. Le Ménez, A. Hamze*, O. Provot, J.-D. Brion, M. Alami*

Tributyltin Hydride in NMP-Promoted Reduction of Acid Chlorides to Aldehydes under Transition-Metal-Free Conditions



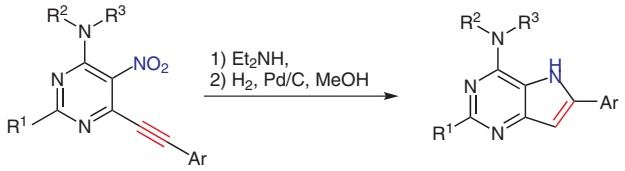
1104 D. Landsberg, M. Kalesse*

Synthesis of Symmetrical Ureas by (Diacetoxyiodo)benzene-Induced Hofmann Rearrangement



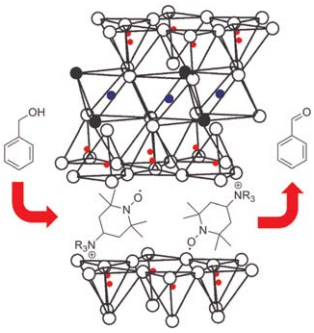
1107 I. Cikotiene*, E. Pudziuvelyte, A. Brukstus

Efficient One-Pot Synthesis of 6-Arylpyrrolo[3,2-*d*]pyrimidines from 6-Arylethynyl-5-nitropyrimidines



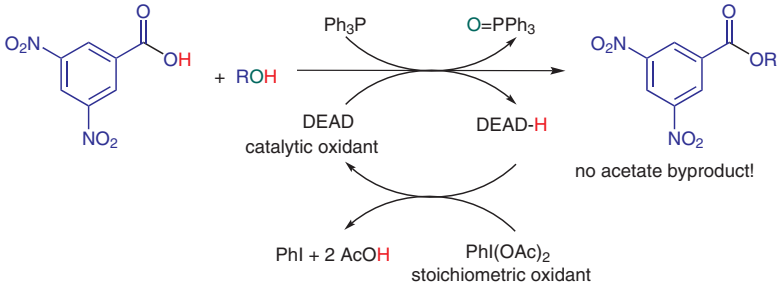
1110 C. Röben, A. Studer*, W. L. Hemme, H. Eckert*

Immobilization of TEMPO Derivatives in Saponite and Use of These Novel Hybrid Materials as Reusable Catalysts



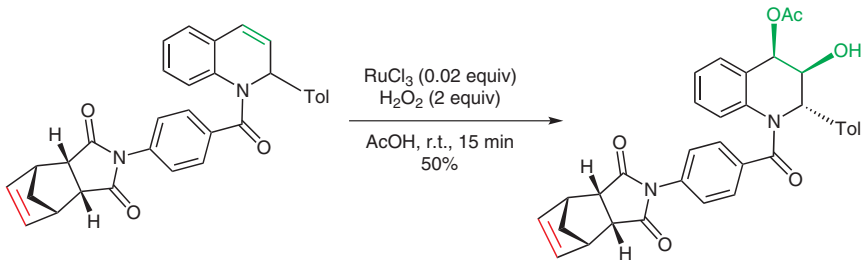
1115 T. Y. S. But, J. Lu, P. H. Toy*

Organocatalytic Mitsunobu Reactions with 3,5-Dinitrobenzoic Acid



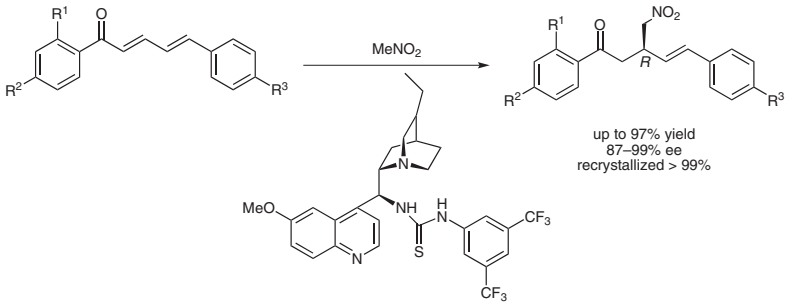
1118 Y. Zhang, G. Chu, X. Cui, Z. Han, D. Dou, Y. Chen, X. Yu, C. Li*

Chemo-, Regio-, and Stereoselective Synthesis of *syn*-Aryl Glycol Monoesters from Aryl Olefins with Hydrogen Peroxide Catalyzed by $RuCl_3$



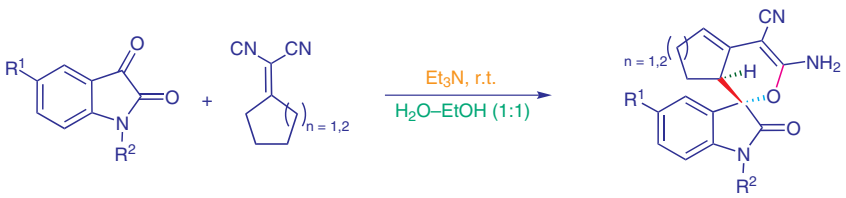
1123 C. G. Oliva, A. M. S. Silva*, F. A. A. Paz, J. A. S. Cavaleiro

Highly Enantioselective and Regioselective Conjugate Addition of Nitromethane to 1,5-Diarylpenta-2,4-dien-1-ones Using Bifunctional Cinchona Organocatalysts



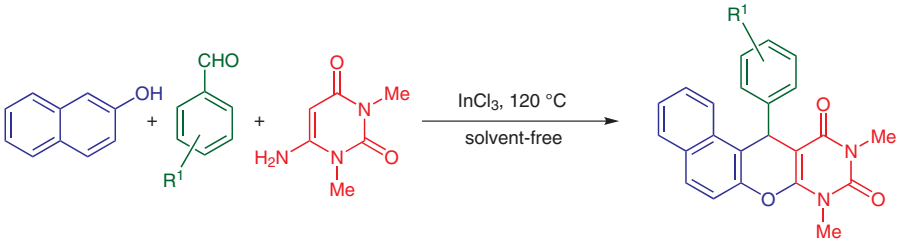
1128 T. H. Babu, K. Karthik, P. T. Perumal*

A Facile, One-Pot Synthesis of Functionalized Spiro-Oxindoles via Vinylogous Aldol Reaction of Vinyl Malononitriles with Isatin Derivatives in Aqueous Media



Letters

1133 G. C. Nandi, S. Samai, M. S. Singh* **First $InCl_3$-Catalyzed, Three-Component Coupling of Aldehydes, β-Naphthol, and 6-Amino-1,3-dimethyluracil to Functionalized Naphthopyranopyrimidines**



Spotlights

1138 Compiled by S. Das ***N,N′*-Dimethyl Urea**

1140 Compiled by A. Rathi **Sodium Bis(methoxyethoxy)aluminium Hydride**

Addenda and Errata

1142 **Erratum**

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