Preparation and reactivity of cyanocuprates containing alkylseleno and alkyltelluro groups as non-transferable ligands

Tetrahedron Letters 42 (2001) 2415

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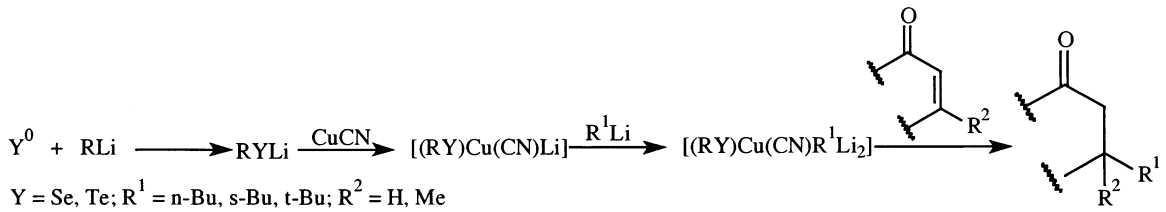
Instituto de Química, Universidade de São Paulo, Av. Professor Lineu Prestes 748, 05508-900, Cx. P. 26077, CEP 05599-070 São Paulo, Brazil



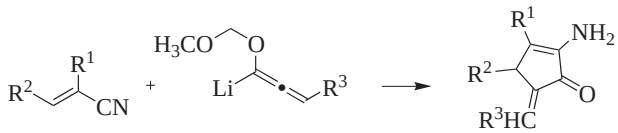
An imino Nazarov cyclization

Tetrahedron Letters 42 (2001) 2419

Marcus A. Tius,* Chester C. Chu and Raquel Nieves-Colberg

Department of Chemistry, University of Hawaii, 2545 The Mall, Honolulu, HI 96822, USA

α-Aminocyclopentenones are available in a single operation from α,β-unsaturated nitriles and (methoxy)methoxyallenes. The cyclization is equivalent to an imino Nazarov reaction.



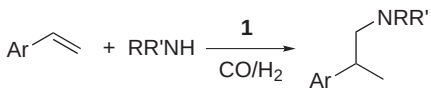
Zwitterionic rhodium complex catalyzed hydroaminomethylation of arylethylenes

Tetrahedron Letters 42 (2001) 2423

Yong-Shou Lin, Bassam El Ali and Howard Alper*

Center for Catalysis Research and Innovation, Department of Chemistry, University of Ottawa, 10 Marie Curie, Ottawa, Ont., Canada K1N 6N5

The hydroaminomethylation of arylethylenes catalyzed by $[Rh^{+}(cod)(\eta^{6}\text{-}PhBPh_3)^{-}]$ (**1**) gave the corresponding branched methylated amines in high regioselectivity, under relatively low pressure of syngas.



α-Nitrogen activating effect in the room temperature copper-promoted *N*-arylation of heteroarylcarboxamides with phenyl siloxane or *p*-toluylboronic acid

Tetrahedron Letters 42 (2001) 2427

Patrick Y. S. Lam,[a,*] Sophie Deudon,[a] Elisabeth Hauptman[b] and Charles G. Clark[a]

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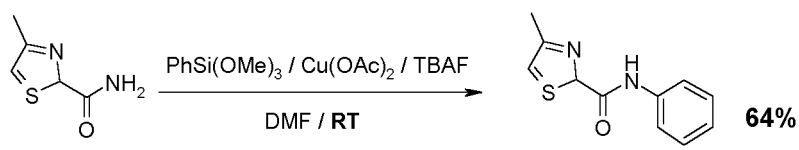
[b]*The DuPont Company, Central Research and Development Department, PO Box 80328, Experimental Station, Wilmington, DE 19880-0328, USA*

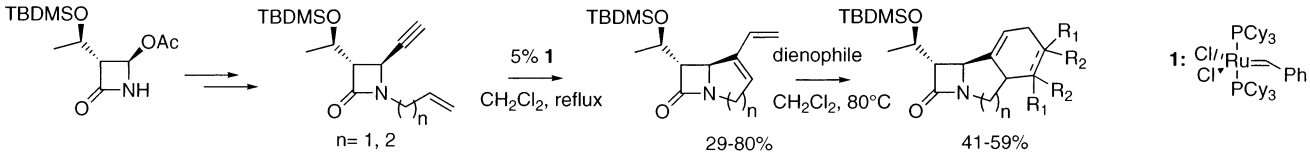


Synthetic approach to tricyclic β-lactams using metathesis and Diels–Alder reactions

Tetrahedron Letters 42 (2001) 2461

Romain Duboc,[a] Charlotte Hénaut,[a] Monique Savignac,[a] Jean-Pierre Genet[a,*] and Neerja Bhatnagar[b]

[a]*Ecole Nationale Supérieure de Chimie de Paris, Laboratoire de Synthèse Sélective Organique et Produits Naturels, UMR CNRS 7573, 11, rue Pierre et Marie Curie, 75231 Paris, France*
[b]*Aventis Pharma, 102, route de Noisy, 93235 Romainville, France*



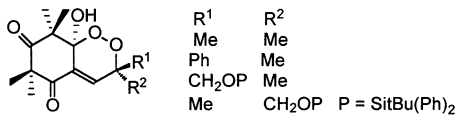
Bicyclic peroxides in the G factors series: synthesis and electrochemical studies

Tetrahedron Letters 42 (2001) 2465

Monica Gavrilan,[a] Christiane André-Barrès,[a,*] Michel Baltas,[a,*] Théodore Tzedakis[b] and Liliane Gorrichon[a]

[a]*Laboratoire de Synthèse et de Physicochimie de Molécules d'Intérêt Biologique, CNRS et Université Paul-Sabatier, 118 route de Narbonne, 31062 Toulouse, France*
[b]*Laboratoire du Génie Chimique, CNRS et Université Paul-Sabatier, 118 route de Narbonne, 31062 Toulouse, France*

Endoperoxides of the family of G factors have been synthesised, and their cathodic peak potentials have been determined by thin-layer electrochemistry.



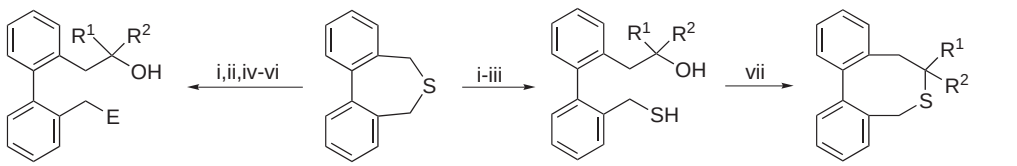
DTBB-catalysed lithiation of 1,7-dihydrodibenzothiepin

Tetrahedron Letters 42 (2001) 2469

Miguel Yus* and Francisco Foubelo*

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080 Alicante, Spain

Reagents and conditions: (i) Li, DTBB (5 mol%), THF, −78°C, 30 min; (ii) R^1R^2CO, −78°C, 5 min; (iii) 3N HCl, −78 to 20°C; (iv) 20°C, 30 min; (v) E^+, −78°C, 5 min; (vi) H_2O, −78 to 20°C; (vii) H_3PO_4 (85%), PhMe, 110°C, 4 h.



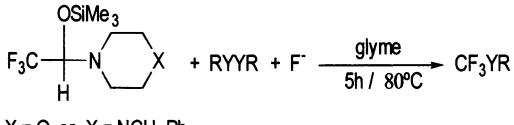
6 (35-46%) **1** **4** (47-82%) **7c** (74%, R^1= Ph, R^2= H)

New stable reagents for the nucleophilic trifluoromethylation. Part 4: Trifluoromethylation of disulfides and diselenides with hemiaminals of trifluoroacetaldehyde

Tetrahedron Letters 42 (2001) 2473

G. Blond, T. Billard* and B. R. Langlois*

Laboratoire de Synthèse, Electrosynthèse et Réactivité des Composés Organiques Fluorés (UMR 5622), Université Claude Bernard, Lyon I, 43 Bd du 11 Novembre 1918, 69622 Villeurbanne, France

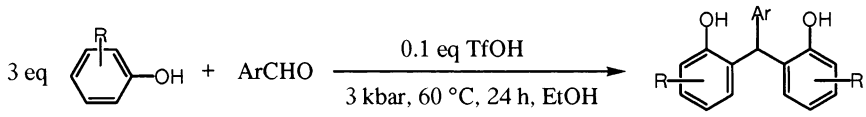


High-yielding TfOH-catalyzed condensation of phenols with aromatic aldehydes at high pressure. A model synthesis of the benzylidene biphenol key skeleton of blepharismins

Tetrahedron Letters 42 (2001) 2493

Takeshi Ohishi,[a] Tomoyuki Kojima,[a] Tatsuomi Matsuoka,[b] Motoo Shiro[c] and Hiyoshizo Kotsuki[a,*]

[a]*Department of Chemistry, Faculty of Science, Kochi University, Akebono-cho, Kochi 780-8520, Japan*
[b]*Department of Biology, Faculty of Science, Kochi University, Akebono-cho, Kochi 780-8520, Japan*
[c]*Rigaku Corporation, Matsubara-cho, Akishima, Tokyo 196, Japan*



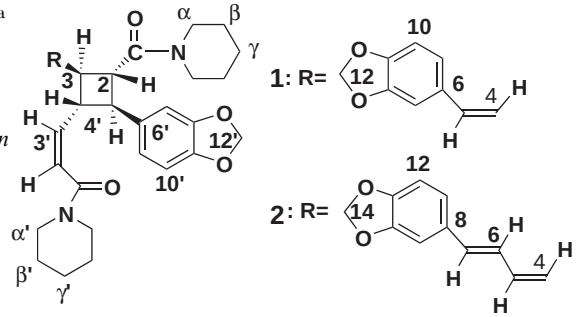
Two new alkaloids, pipercyclobutanamides A and B, from *Piper nigrum*

Tetrahedron Letters 42 (2001) 2497

Yasuhiro Fujiwara,[a,*] Kaname Naithou,[a] Tomoko Miyazaki,[a] Keiji Hashimoto,[a] Kazuo Mori[b] and Yasuo Yamamoto[c]

[a]*Kyoto Pharmaceutical University, Yamashina-ku, Kyoto 607-8414, Japan*
[b]*Hyogo College, Hyogo University, Hiraoka, Kakogawa 675-0101, Japan*
[c]*Sonoda Women's College, Minamitsukaguchi, Amagasaki 661-0012, Japan*

Two new alkaloids possessing a cyclobutane ring, named pipercyclobutanamides A (**1**) and B (**2**), have been isolated from the fruits of *Piper nigrum*. Their stereostructures were determined by extensive spectroscopic methods.

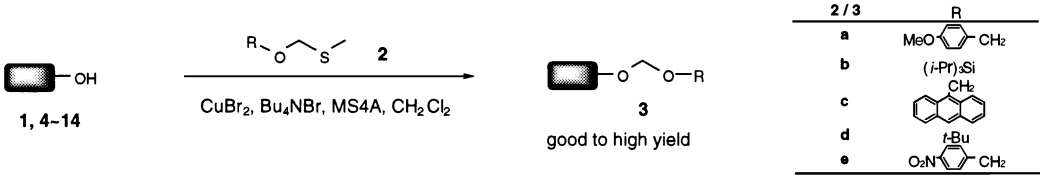


A new method for formacetal linkage formation: protection of alcohols, phenols and carboxylic acids

Tetrahedron Letters 42 (2001) 2501

Daisuke Sawada[a] and Yukishige Ito[b,*]

[a]*Graduate School of Pharmaceutical Sciences, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*
[b]*RIKEN (Institute of Physical and Chemical Research), 2-1 Hirosawa, Wako, Saitama 351-0198, Japan*

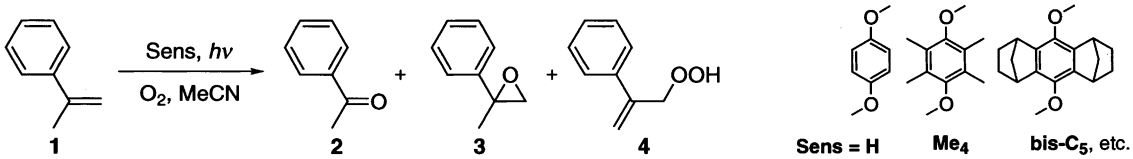


Photoinduced electron transfer oxidation of α-methylstyrene with molecular oxygen sensitized by dimethoxybenzenes: a non-singlet-oxygen mechanism

Tetrahedron Letters 42 (2001) 2505

Tadashi Mori,[a,*] Makoto Takamoto,[a] Yoshimasa Tate,[a] Junya Shinkuma,[a] Takehiko Wada[a] and Yoshihisa Inoue[a,b,*]

[a]*Department of Molecular Chemistry, Osaka University, 2-1 Yamada-oka, Suita 565-0871, Japan*
[b]*Inoue Photochirogenesis Project, ERATO, JST, 4-6-3 Kamishinden, Toyonaka 565-0085, Japan*



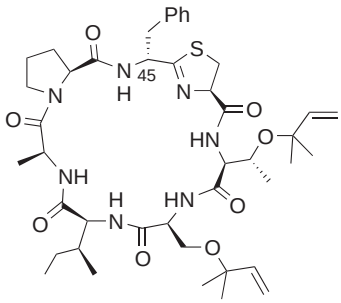
Total synthesis of the prenylated cyclopeptide trunkamide A, a cytotoxic metabolite from *Lissoclinum* sp.

Tetrahedron Letters 42 (2001) 2573

Benedict McKeever and Gerald Pattenden*

School of Chemistry, University of Nottingham, Nottingham NG7 2RD, UK

A total synthesis of the doubly prenylated cyclic peptide trunkamide A of marine origin, and also its C45 epimer, is described.



Crystallization-induced dynamic resolution (CIDR) and its application to the synthesis of unnatural *N*-substituted amino acids derived from aroylacrylic acids

Tetrahedron Letters 42 (2001) 2579

Andrej Kolarovic,[a] Dušan Berkeš,[a,*] Peter Baran[b] and František Povazanec[a]

[a]*Department of Organic Chemistry, Slovak Technical University, Radlinského 9, SK-812 37 Bratislava, Slovakia*
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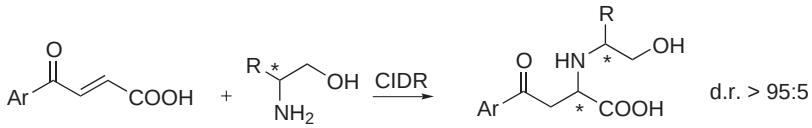

1,3,4-Oxadiazole formation; a novel solid support strategy

Tetrahedron Letters 42 (2001) 2583

John P. Kilburn,[a,b,*] Jesper Lau[a] and Raymond C. F. Jones[b]

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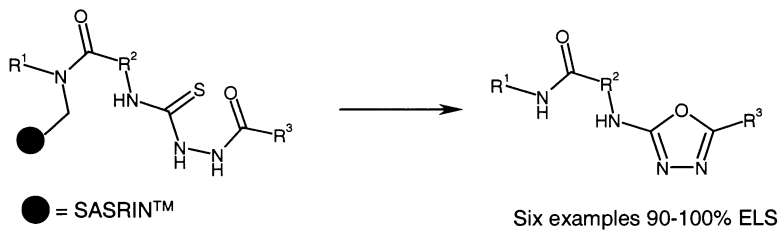

Synthesis of a modified thymidine monomer for site-specific incorporation of reporter groups into oligonucleotides

Tetrahedron Letters 42 (2001) 2587

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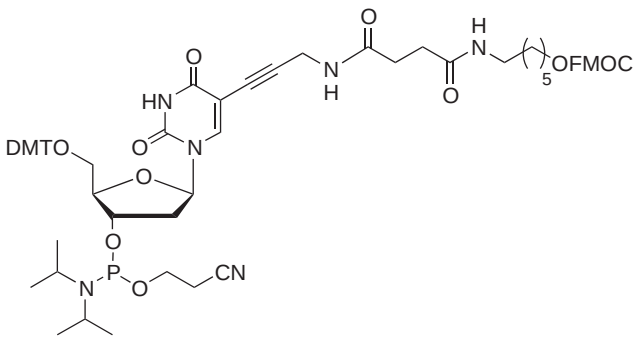
[a]*Department of Chemistry, University of Southampton, Highfield, Southampton SO17 1BJ, UK*
[b]*Oswel Research Products, Biological and Medical Sciences Building, University of Southampton, Bassett Crescent East, Southampton SO16 7PX, UK*



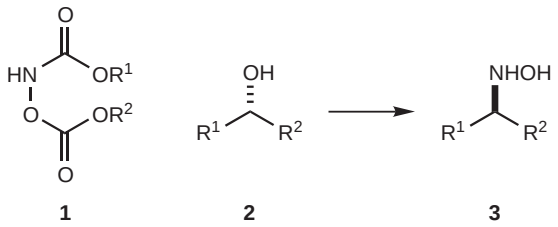
A survey of suitable protecting groups for the synthesis of hydroxylamines by Mitsunobu reactions

Tetrahedron Letters 42 (2001) 2593

David W. Knight* and Mathew P. Leese

Department of Chemistry, Cardiff University, PO Box 912, Cardiff CF10 3TB, UK

A range of protected hydroxylamines **1** have been prepared and tested for their suitability for carrying out the conversion of alcohols **2** into hydroxlamines **3**.



1 **2** **3**

The synthesis of *N*-hydroxyisoindolines by reverse-Cope chemistry

Tetrahedron Letters 42 (2001) 2597

David W. Knight,[a,*] Mathew P. Leese[a] and Norbert De Kimpe[b]

[a]*Chemistry Department, Cardiff University, PO Box 912, Cardiff CF10 3TB, UK*

[b]*Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, University of Gent, Coupure Links 653, B-90000 Gent, Belgium*

Reverse-Cope cyclisations of *ortho*-alkenyl benzylhydroxylamines give excellent yields of *N*-hydroxyisoindolines.