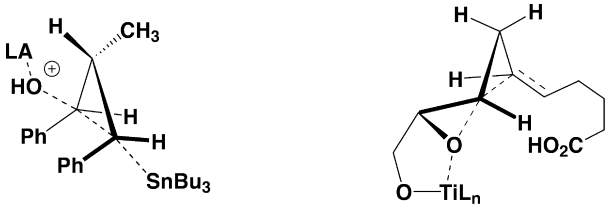
Graphical abstracts

Biosynthetic inspirations: cationic approaches to cyclopropane formation

Tetrahedron 59 (2003) 5623

Richard E. Taylor,* F. Conrad Engelhardt and M. J. Schmitt

Department of Chemistry and Biochemistry, Walther Center for Excellence in Cancer Research, 251 Nieuwland Science Hall, University of Notre Dame, Notre Dame, IN 46556-5670, USA

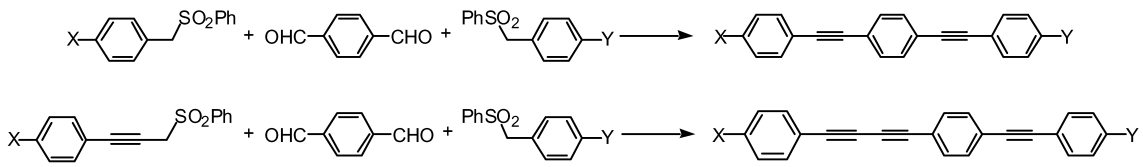


Double elimination protocol for access to unsymmetrically substituted aromatic polyynes starting from sulfones and aldehydes

Tetrahedron 59 (2003) 5635

Fangguo Ye, Akihiro Orita, Atsushi Doumoto and Junzo Otera*

Department of Applied Chemistry, Okayama University of Science, Ridai-cho, Okayama 700-0005, Japan

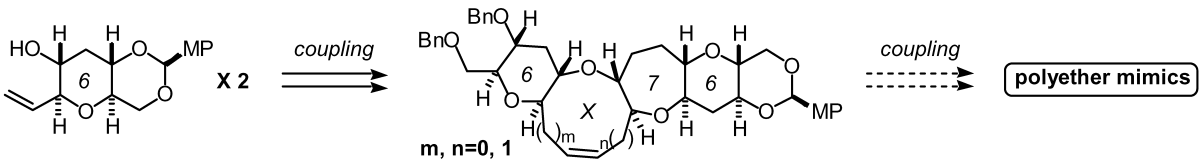


Divergent synthesis of the tetracyclic ethers of 6-*X*-7-6 ring systems

Tetrahedron 59 (2003) 5645

Masayuki Inoue,* Jin Wang, Guang-Xing Wang, Yoshihiro Ogasawara and Masahiro Hirama*

Department of Chemistry, Graduate School of Science, Tohoku University, and SORST, Japan Science and Technology Corporation (JST), Aramaki-aza, Aoba, Sendai 980-8578, Japan

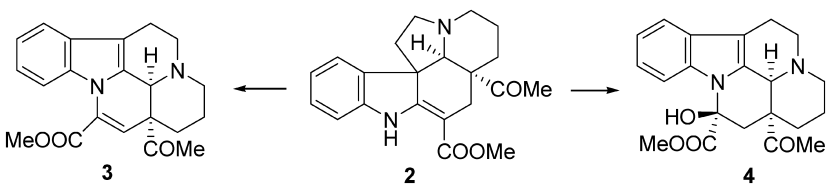


Synthesis of vinca alkaloids and related compounds. Part 102: Simple synthesis and ring transformation of (±)-minovincine. First synthesis of (±)-vincaminine

Tetrahedron 59 (2003) 5661

György Kalaus,*[a] László Léder,[a,b] István Greiner,[b] Mária Kajtár-Peredy,[c] Károly Vékey,[c] Lajos Szabó[a] and Csaba Szántay[a,c,*]

[a]*Department for Organic Chemistry, Research Group for Alkaloid Chemistry of the Hungarian Academy of Sciences, Budapest University of Technology and Economics, Gellért tér 4, H-1521 Budapest, Hungary*
[b]*Chemical Works of Gedeon Richter Ltd, Gyömrői út 19-21, H-1103 Budapest, Hungary*
[c]*Institute of Chemistry, Chemical Research Center, Hungarian Academy of Sciences, Pusztaszeri út 59-67, H-1025 Budapest, Hungary*

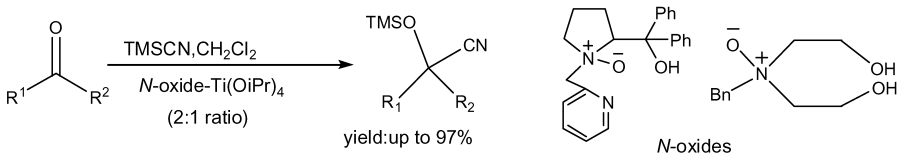


A mild and efficient cyanosilylation of ketones catalyzed by a Lewis acid–Lewis base bifunctional catalyst

Tetrahedron 59 (2003) 5667

Yongcun Shen,[b] Xiaoming Feng,[a,*] Yan Li,[a] Guolin Zhang[c] and Yaozhong Jiang[b]

[a]*Sichuan Key Laboratory of Green Chemistry and Technology, College of Chemistry, Sichuan University, Chengdu 610064, People's Republic of China*
[b]*Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, Chengdu 610041, People's Republic of China*
[c]*Chengdu Institute of Biology, Chinese Academy of Sciences, Chengdu 610041, People's Republic of China*

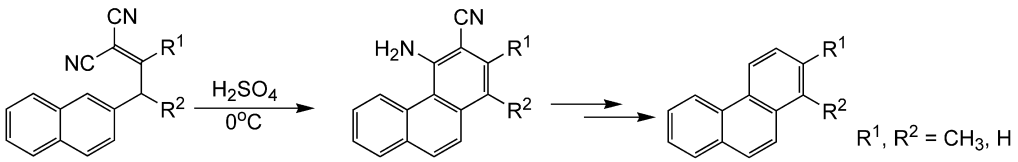


Synthesis of alkylphenanthrenes from naphthylalkylidenemalonodinitriles. A route to 1-methyl-, 2-methyl-, and 1,2-dimethylphenanthrene

Tetrahedron 59 (2003) 5677

Wojciech Krasodomski,[a] Michał K. Łuczyński,[b] Jarosław Wilamowski[a] and Janusz J. Sepioł[a,*]

[a]*Department of Organic Chemistry, Jagiellonian University, Ingardena 3, PL-30-060 Kraków, Poland*
[b]*Department of Chemistry, WM University, Plac Łódzki 4, PL-10-957 Olsztyn, Poland*

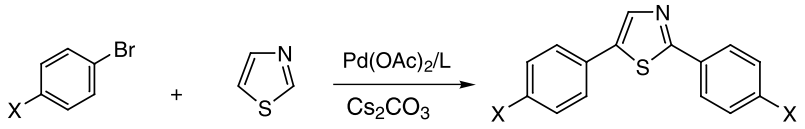


Palladium-catalyzed direct arylation of thiazoles with aryl bromides

Tetrahedron 59 (2003) 5685

Aya Yokooji, Toru Okazawa, Tetsuya Satoh, Masahiro Miura* and Masakatsu Nomura

Department of Applied Chemistry, Faculty of Engineering, Osaka University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan

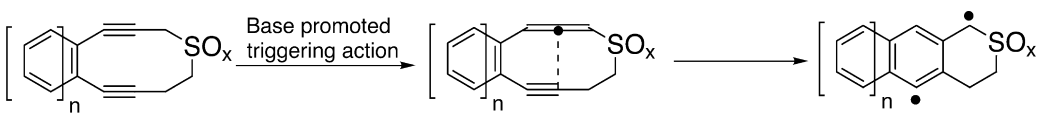


Synthesis, reactions and DNA damaging abilities of 10-membered enediyne-sulfone and related compounds

Tetrahedron 59 (2003) 5691

Ichiro Suzuki,* Akira Shigenaga, Atsuo Manabe, Hisao Nemoto and Masayuki Shibuya

Faculty of Pharmaceutical Sciences, University of Tokushima, Sho-machi 1-78, Tokushima 770-8505, Japan



1: n = 0, X = 2; **2**: n = 0, X = 1; **3**: n = 1, X = 2; **4**: n = 2, X = 2.

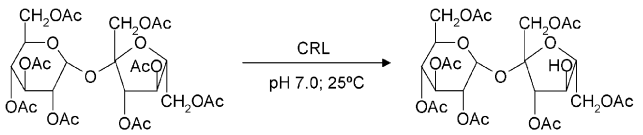
Regio-selective deprotection of peracetylated sugars via lipase hydrolysis

Tetrahedron 59 (2003) 5705

Gloria Fernandez-Lorente,[a] Jose M. Palomo,[b] Jany Cocca,[b] Cesar Mateo,[b] Paola Moro,[a] Marco Terreni,[a] Roberto Fernandez-Lafuente[b,*] and Jose M. Guisan[b,*]

[a]*Pharmaceutical Biocatalysis Laboratories, Department of Pharmaceutical Chemistry, University of Pavia, Via Taramelli 12, Milan, Italy*
[b]*Department of Biocatalysis, Institute of Catalysis, CSIC, Campus Universidad Autónoma, 28049 Madrid, Spain*

Regio-selective hydrolysis of 1′,3′,4′,6′,2,3,4,6-octa-*O*-acetyl sucrose catalyzed by CRL immobilized.



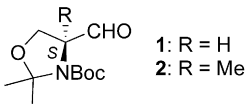
8 **9**

Conformational analysis of *N*-Boc-*N*,*O*-isopropylidene-α-serinals. A combined DFT and NMR study

Tetrahedron 59 (2003) 5713

Alberto Avenoza,* Jesús H. Busto, Francisco Corzana, Gonzalo Jiménez-Osés and Jesús M. Peregrina*

Grupo de Síntesis Química de La Rioja, Departamento de Química, Universidad de La Rioja, Madre de Dios, 51, U.A.-C.S.I.C., E-26006 Logroño, Spain



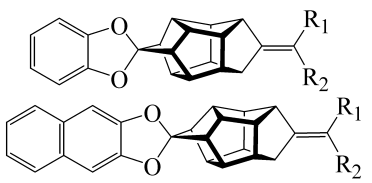
1: R = H
2: R = Me

Photoinduced electron transfer reaction tuned by donor–acceptor pairs via the rigid, linear spacer heptacyclo[6.6.0.0^{2,6}.0^{3,13}.0^{4,11}.0^{5,9}.0^{10,14}]tetradecane

Tetrahedron 59 (2003) 5719

Tahsin J. Chow,[a,*] Nan-Rong Chiu,[a] Hong-Chuan Chen,[a] Chong-Yow Chen,[b] Wei-Shan Yu,[c] Yi-Ming Cheng,[c] Chung-Chih Cheng,[d] Chen-Pin Chang[d] and Pi-Tai Chou[c,*]

[a]*Institute of Chemistry, Academia Sinica, Taipei 115, Taiwan, ROC*
[b]*Department of Chemistry, National Chung Cheng University, Chia-Yi 621, Taiwan, ROC*
[c]*Department of Chemistry, National Taiwan University, Taipei 106, Taiwan, ROC*
[d]*Department of Chemistry, Fu-Jen Catholic University, Taipei 242, Taiwan, ROC*

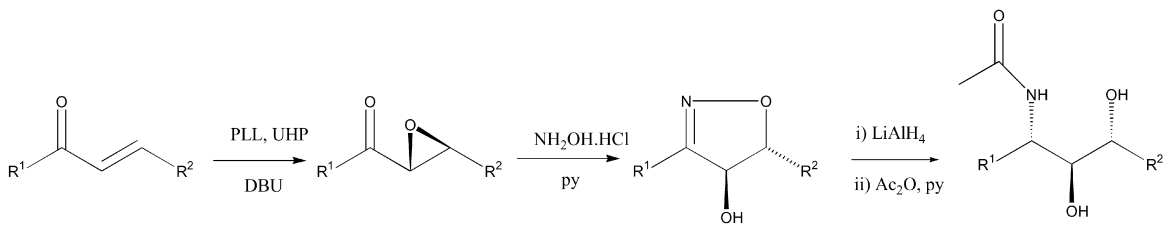


Stereocontrolled conversion of some optically active (4*S*,5*R*)-dihydroisoxazoles into acyclic 3-acetamido-1,2-diols

Tetrahedron 59 (2003) 5731

Jamie F. Bickley, Stanley M. Roberts,* Ye Runhui, John Skidmore and Corina B. Smith

Department of Chemistry, Liverpool University, Liverpool L69 7ZD, UK

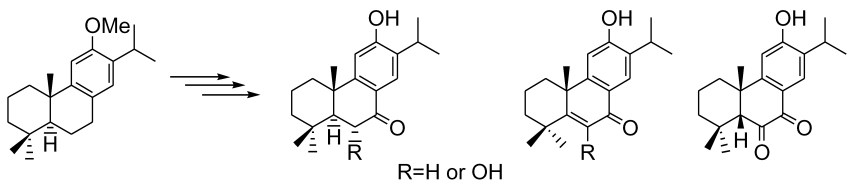


Synthesis of C-7 oxidized abietane diterpenes from racemic ferruginyl methyl ether

Tetrahedron 59 (2003) 5737

Anpai Li, Xuegong She, Jiyong Zhang, Tongxing Wu and Xinfu Pan*

Department of Chemistry, National Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, People's Republic of China

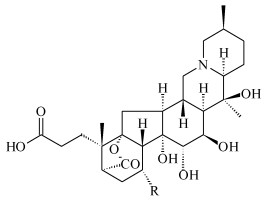


Neoverataline A and B, two antifungal alkaloids with a novel carbon skeleton from *Veratrum taliense*

Tetrahedron 59 (2003) 5743

Chang-Xin Zhou,[a] Jun-Yan Liu,[a] Wen-Cai Ye,[b] Chang-Hong Liu[a] and Ren-Xiang Tan[a,*]

[a]*State Key Laboratory of Pharmaceutical Biotechnology, Institute of Functional Biomolecules, Nanjing University, Nanjing 210093, People's Republic China*
[b]*Department of Phytochemistry, China Pharmaceutical University, Nanjing 210009, People's Republic China*



Neoverataline A: R=H

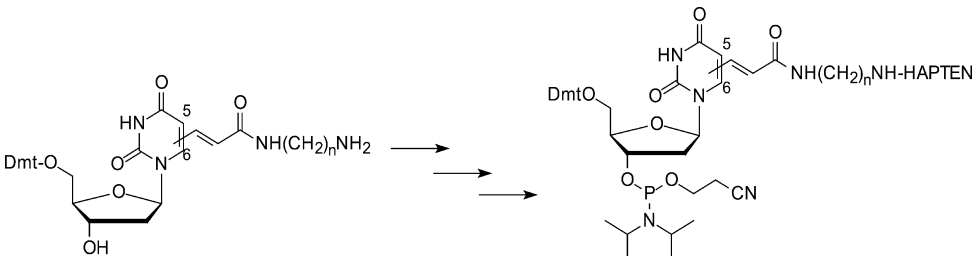
Neoverataline B: R=OH

Synthesis of hapten–phosphoramidites from 2′-deoxyuridine

Tetrahedron 59 (2003) 5749

Maciej Adamczyk,* Srinivasa Rao Akireddy, Phillip G. Mattingly and Rajarathnam E. Reddy

Department of Chemistry (09MD, Bldg AP20), Diagnostics Division, Abbott Laboratories 100 Abbott Park Road, Abbott Park, IL 60064-6016, USA

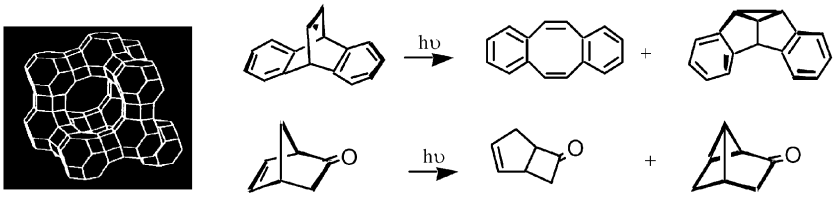


Triplet photochemistry within zeolites through heavy atom effect, sensitization and light atom effect

Tetrahedron 59 (2003) 5763

K. Pitchumani, M. Warrier, Lakshmi S. Kaanumalle and V. Ramamurthy*

Department of Chemistry, Tulane University, 6400, Freret Street, New Orleans, LA 70118, USA



Base-catalyzed condensation of cyclopentadiene derivatives. Synthesis of fulvalene analogues: strong proaromatic electron acceptors

Tetrahedron 59 (2003) 5773

Emad Aqad,[a] Philippe Leriche,[a,*] Gilles Mabon,[a] Alain Gorgues,[a] Magali Allain,[a] Amédée Riou,[a] Arkady Ellern[b] and Vladimir Khodorkovsky[b,*]

[a]*Laboratoire IMMO, UMR CNRS, UFR Sciences, Université d'Angers, 2 Bd Lavoisier, 49045 Angers cedex, France*
[b]*Department of Chemistry, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel*