

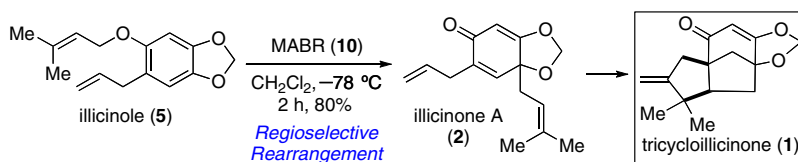
Tetrahedron Letters Vol. 49, No. 45, 2008

Contents

COMMUNICATIONS

Biomimetic total synthesis of tricycloillicinone and mechanistic studies toward the rearrangement of prenyl phenyl ethers pp 6383–6385

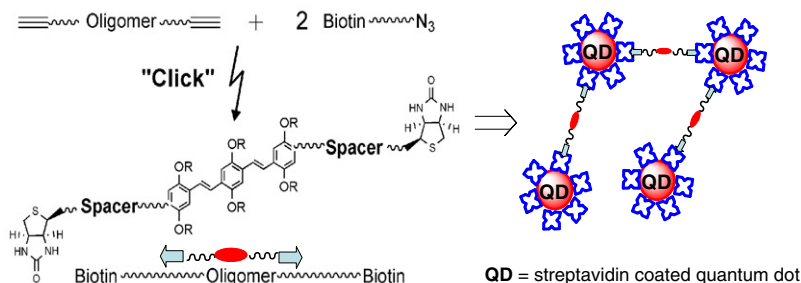
Xiaoguang Lei, Mingji Dai, Zihao Hua, Samuel J. Danishefsky *



Biotin-functional oligo(*p*-phenylene vinylene)s synthesized using click chemistry

pp 6386–6389

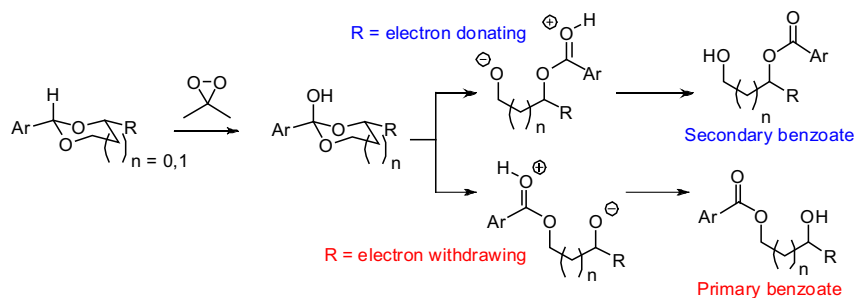
Neeraja Vundyalala, Chivin Sun, Françoise Sidime, Wei Shi, William L'Amoreaux, Krishnaswami Raja, Ralf M. Peetz *



Studies on DMDO-mediated benzylidene acetal oxidation

pp 6390–6392

David K. Mycock, Alexandra E. Sherlock, Paul A. Glossop, Christopher J. Hayes *

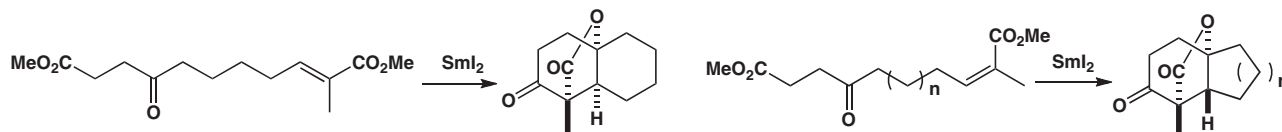


DMDO can be used to effect an oxidative partial deprotection of benzylidene acetals derived from both 1,2- and 1,3-diols to afford hydroxy benzoate ester products in good yield.

Samarium(II) iodide-induced cascade reaction for tricyclic γ -lactone synthesis from acyclic keto diesters

pp 6393–6397

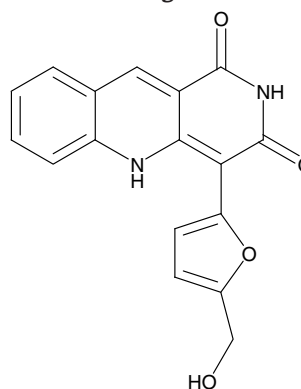
Atsushi Kishida, Hiroto Nagaoka *

**Chaetominedione, a new tyrosine kinase inhibitor isolated from the algicolous marine fungus *Chaetomium* sp.**

pp 6398–6400

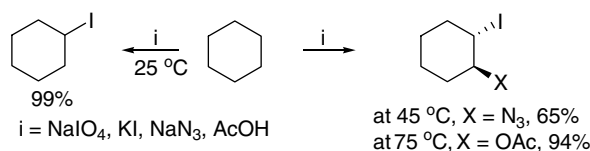
Ahmed Abdel-Lateff

The novel benzonaphthyridinedione derivative, chaetominedione, has significant inhibitory activity toward p56^{lck} tyrosine kinase (93.6% enzyme inhibition at 200 μ g/mL).

**NaIO₄–KI–NaN₃ as a new reagent system for C–H functionalization in hydrocarbons**

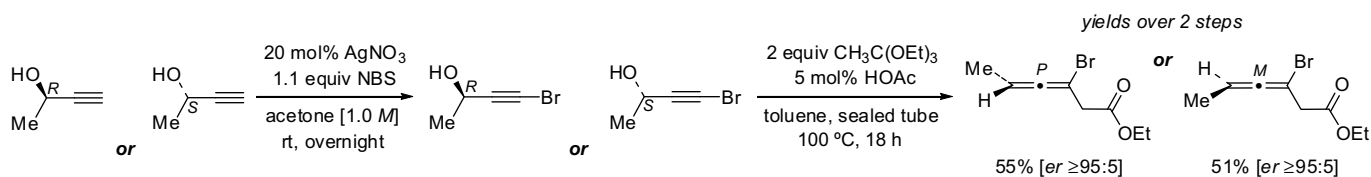
pp 6401–6403

Pandurang V. Chouthaiwale, Gurunath Suryavanshi, Arumugam Sudalai *

**Saucy–Marbet rearrangements of alkynyl halides in the synthesis of highly enantiomerically enriched allenyl halides**

pp 6404–6409

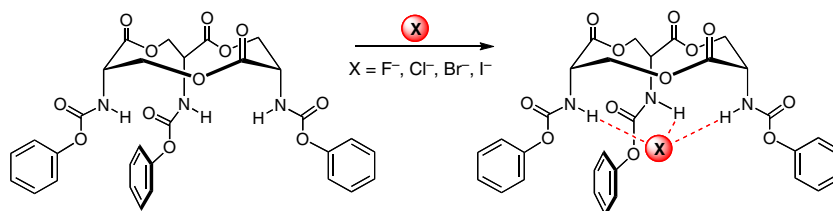
Yu Tang, Lichun Shen, Becky J. Dellaria, Richard P. Hsung *



Carbamate triserine lactone receptors for anion recognition

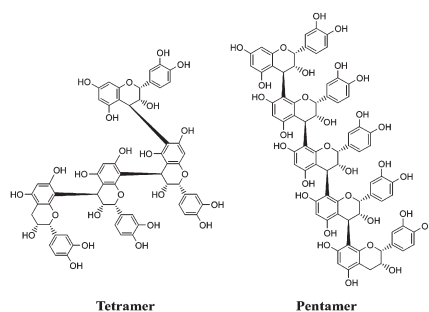
pp 6410–6412

Yizhe Wang, Edward Duran, David Nacionales, Amber Valencia, Christopher Wostenberg, Eric R. Martinez *

**Structural characterization of a procyanidin tetramer and pentamer from the apple by low-temperature NMR analysis**

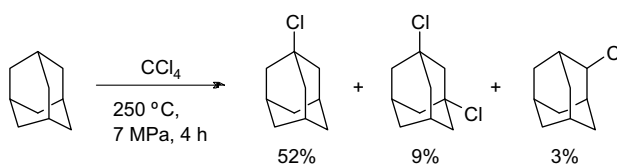
pp 6413–6418

Yutaka Abe, Toshihiko Shoji, Nobuo Kawahara, Hiroyuki Kamakura, Tomomasa Kanda, Yukihiko Goda, Yoshihiro Ozeki *

**Chlorination of aliphatic hydrocarbons, aromatic compounds, and olefins in subcritical carbon tetrachloride**

pp 6419–6422

Kiyoshi Tanemura *, Tsuneo Suzuki, Yoko Nishida, Takaaki Horaguchi

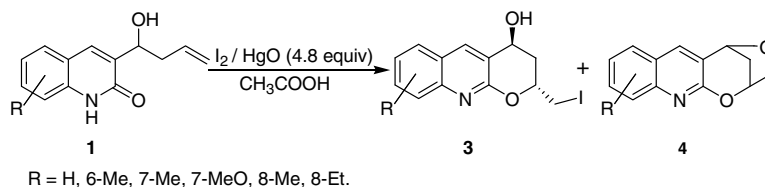


The reactions of various substrates including aliphatic hydrocarbons, aromatic compounds, and olefins were investigated in subcritical carbon tetrachloride.

Electrophile-induced domino cyclization reaction for the synthesis of 2,2a,10,11-tetrahydrofuro[2',4':4,6]pyrano[2,3-b]quinolines

pp 6423–6425

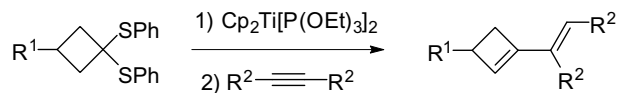
Bhawana Singh, Atish Chandra, Shraddha Upadhyay, Radhey M. Singh *, M. C. Puerta, Pedro Valerga



A new route to alkenylcyclobutenes

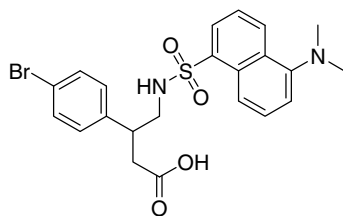
pp 6426–6428

Shigeki Oishi, Tomohiro Shono, Takehiro Nagasawa, Takafumi Inoue, Akira Tsubouchi, Takeshi Takeda *

**Design, synthesis, and biological evaluation of a dansyld amino acid derivative as an imaging agent for apoptosis**

pp 6429–6432

Wenbin Zeng, Weimin Miao *, George Kabalka, Michael Le Puil, John Biggerstaff, David Townsend

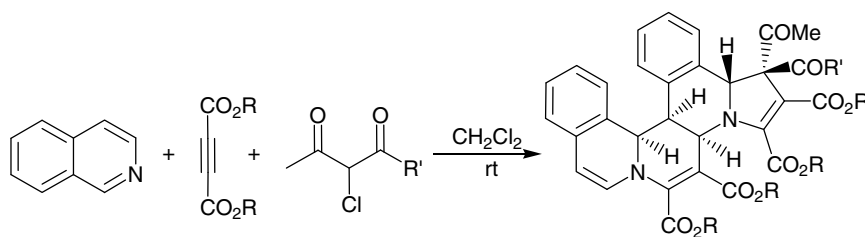


BNSBA, 4

Tandem synthesis of functionalized tetrahydro-4aH-benzo[c]isoquino[1,2-t]pyrrolo[1,2-a][1,6]naphthyridines

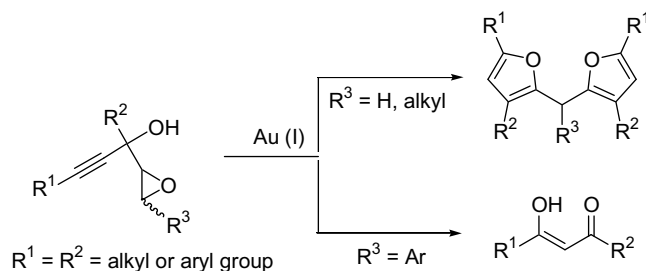
pp 6433–6436

Issa Yavari *, Elham Karimi

**Gold(I)-catalyzed reactions: substituents-dependent selective formation of bisfurans and 1,3-diketones from 1-alkynyl-2,3-epoxy alcohols**

pp 6437–6439

Lun-Zhi Dai, Min Shi *

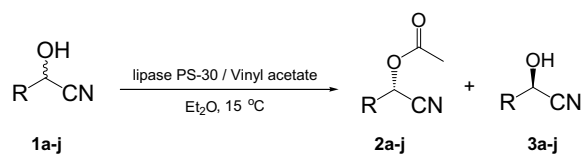


A mild access to bisfurans and 1,3-diketones via gold(I)-catalyzed transformation of 1-alkynyl-2,3-epoxy alcohols **1** has been described. The formation of bisfurans **2** is proposed to proceed through the sequential formation of 2-hydroxymethylfuran, followed by self-condensation in the presence of gold complex. Whereas the formation of 1,3-diketones **3** is resulted from a domino C–C bond cleavage of epoxide system with the assistance of hydroxyl group and subsequent hydrolysis. Substituents on the oxirane have a significant effect on the selective formation of the two kinds of products.

Kinetic resolution of cyanohydrins via enantioselective acylation catalyzed by lipase PS-30

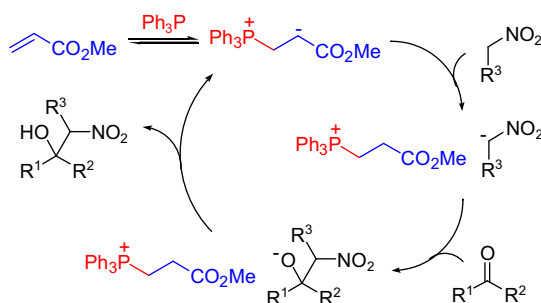
pp 6440–6441

Qing Xu, Xiaohong Geng, Peiran Chen *

Ten examples: Values of the kinetic enantiomeric ratio (*E*) up to 314.**Dual-reagent organocatalysis with a phosphine and electron-deficient alkene: application to the Henry reaction**

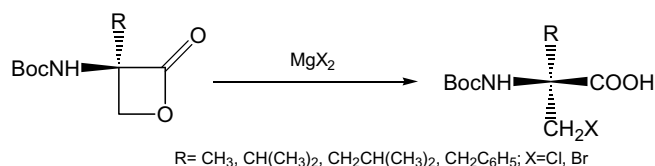
pp 6442–6444

Xiu Wang, Fan Fang, Chen Zhao, Shi-Kai Tian *

**A convenient transformation of α -alkylserines into α -halogenomethyl- α -alkylglycines**

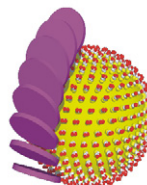
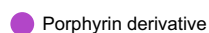
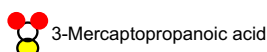
pp 6445–6447

Adam Kudaj, Aleksandra Olma *

**A change in nucleotide selectivity pattern of porphyrin derivatives after immobilization on gold nanoparticles**

pp 6448–6453

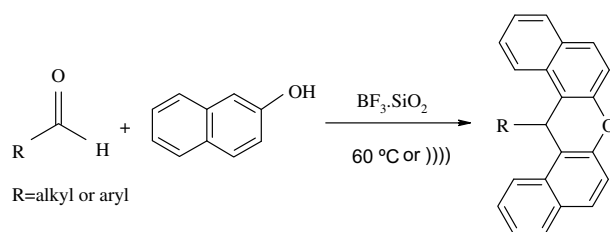
Pavel Rezanka, Kamil Záruba, Vladimír Král *



BF₃·SiO₂: an efficient alternative for the synthesis of 14-aryl or alkyl-14H-dibenzo[*a,j*]xanthenes

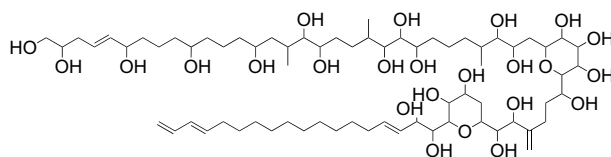
pp 6454–6456

Bi Bi Fatemeh Mirjalili *, Abdolhamid Bamoniri, Ali Akbari

**Isolation and characterization of karlotoxin 1, a new amphipathic toxin from *Karlotinium veneficum***

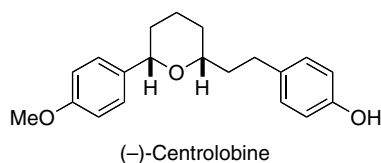
pp 6457–6461

Ryan M. Van Wagoner, Jonathan R. Deeds, Masayuki Satake, Anthony A. Ribeiro, Allen R. Place, Jeffrey L. C. Wright *

**Total synthesis of (–)-centrolobine**

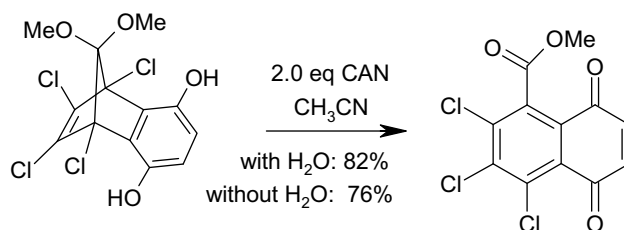
pp 6462–6465

Toshiharu Takeuchi, Miyuki Matsuhashi, Tadashi Nakata *

**An unusual fragmentation reaction of substituted 2,3-norbornylhydroquinone with CAN: synthesis of 1,4-naphthoquinone**

pp 6466–6467

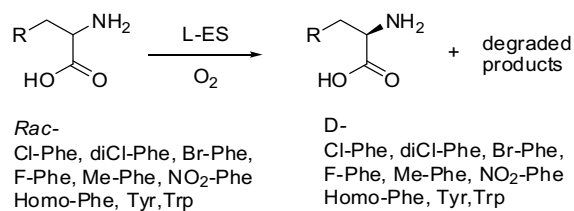
V. Sridar *, A. Yamuna



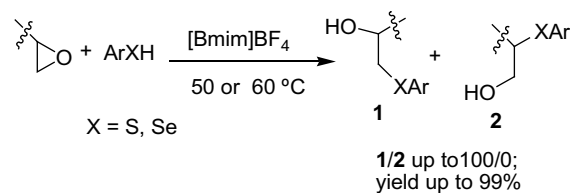
Enantioselective scavenging using homogenate of *Rhodotorula graminis*: a facile preparation of D-amino acid derivatives in enantiopure form

pp 6468–6470

Zizhang Zhang

**Regioselective ring-opening reactions of 1,2-epoxides with thiols and arylselenenols directly promoted by [Bmim]BF₄**

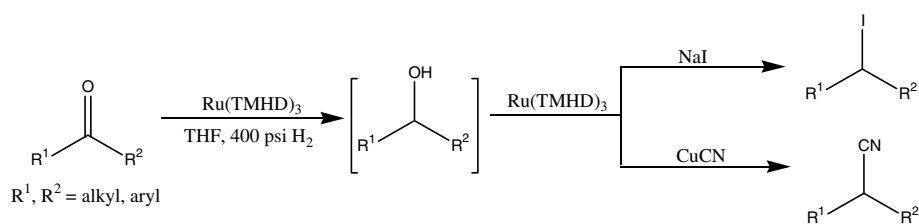
pp 6471–6474

Ming-Hua Yang^{*}, Guo-Bing Yan, Yun-Fa Zheng

Regioselective ring-opening reactions of 1,2-epoxides with ArSH and ArSeH promoted by ionic liquid [Bmim]BF₄ were investigated. A variety of β-hydroxy selenides and β-hydroxy sulfides were obtained in excellent yields (81–99%) with good regioselectivities using a mild, simple and environmentally benign procedure.

**Synthesis of alkyl iodides/nitriles from carbonyl compounds using novel ruthenium tris(2,2,6,6-tetramethyl-3,5-heptanedionate) as catalyst**

pp 6475–6479

Malhari D. Bhor, Anil G. Panda, Nitin S. Nandurkar, Bhalchandra M. Bhanage^{*}

Aldehydes and ketones were hydrogenated to the corresponding alcohols, which were then transformed in situ into their respective iodides and nitriles in good yields.

OTHER CONTENT**Calendar****p I**

*Corresponding author

①⁺ Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]



ELSEVIER

Available online at www.sciencedirect.com ScienceDirect

ISSN 0040-4039