

Vol. 55 • Issue 45 • 5 November 2014 • ISSN 0040-4039

Tetrahedron Letters

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF ALL
PRELIMINARY COMMUNICATIONS IN ORGANIC CHEMISTRY

Available online at www.sciencedirect.com

ScienceDirect

Tetrahedron Letters Vol. 55, Issue 45, 2014

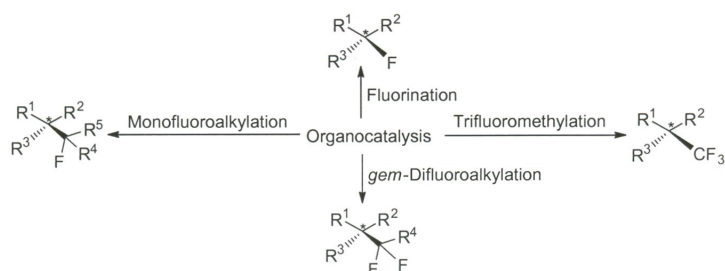
Contents

DIGEST PAPERS

Recent advances in asymmetric fluorination and fluoroalkylation reactions via organocatalysis

pp 6147–6155

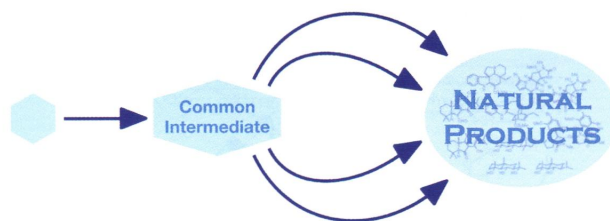
Jin-Hong Lin, Ji-Chang Xiao*



Divergent strategy in natural product total synthesis

pp 6156–6162

Jun Shimokawa*

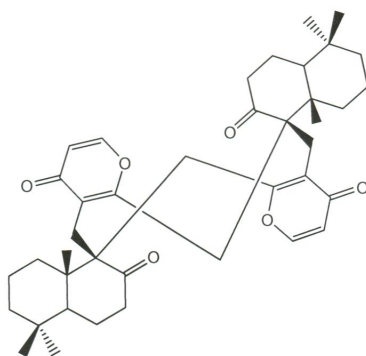


COMMUNICATIONS

A novel heptacyclic diterpene from *Alpinia pahangensis* Ridley, a wild ginger endemic to Malaysia

pp 6163–6166

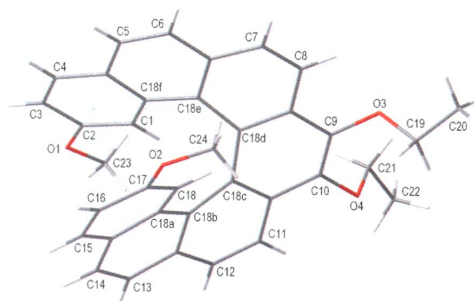
Yasodha Sivasothy, Chan Chee Ken Zachariah, Kok Hoong Leong, Shia Kwong Siew John, Halijah Ibrahim, Khalijah Awang*



Synthesis and characterization of new heptacyclic helicenes

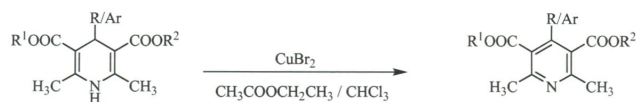
pp 6167–6170

Habiba Guédouar, Faouzi Aloui, Souad Moussa, Jérôme Marrot, Béchir Ben Hassine*

**Oxidative aromatization of Hantzsch 1,4-dihydropyridines by cupric bromide under mild heterogeneous condition**

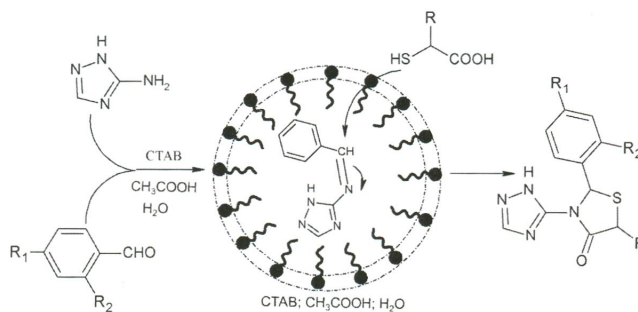
pp 6171–6174

Forid Saikh, Rimpa De, Somnath Ghosh*

**Organocatalysis in aqueous micellar medium: a new protocol for the synthesis of [1,2,4]-triazolyl-thiazolidinones**

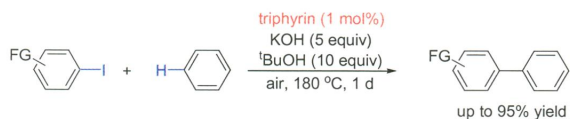
pp 6175–6179

Mandavi Singh, Mohammad Saquib, Shyam Babu Singh, Swastika Singh, Preyas Ankit, Shahin Fatma, Jagdamba Singh*

**Triphyrin catalyzed direct C–H arylation of benzene with aryl halides**

pp 6180–6183

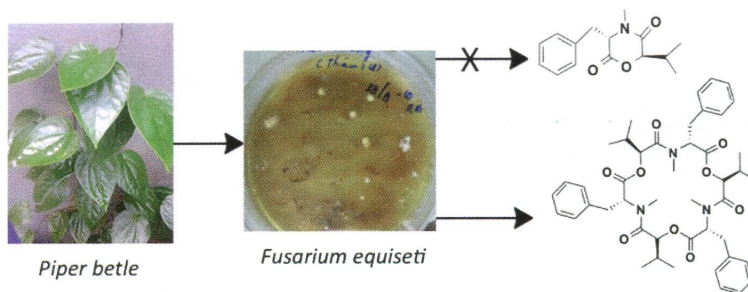
Zhao-Li Xue, Ying Ying Qian, Kin Shing Chan*



Structural revision and absolute configuration of lateritin

pp 6184–6187

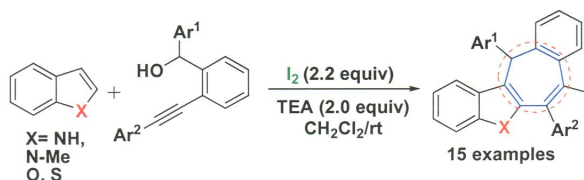
Antonius R. B. Ola, Amal H. Aly, Wenhan Lin, Victor Wray, Abdessamad Debbab*



Tandem C-3/C-2 annulation of indole, benzofuran, and benzothiophene with 2-alkynyl benzylalcohol: an efficient approach to the diverse tetracyclic heteroazulene ring systems

pp 6188–6192

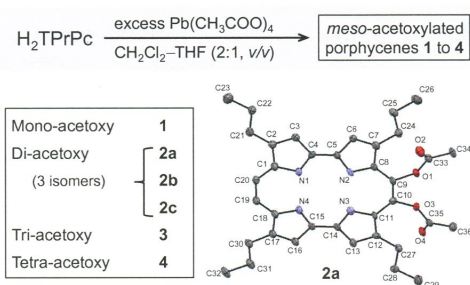
Soumen Sarkar, Krishnendu Bera, Umasish Jana*



Synthesis of a series of multiply meso-acetoxyated porphycenes

pp 6193–6197

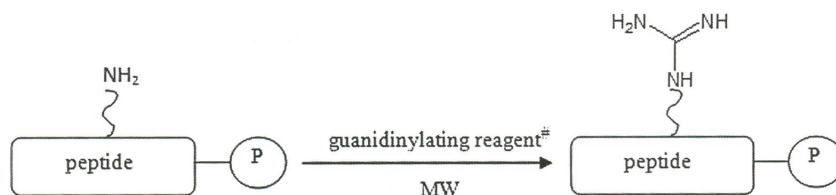
Toru Okawara, Masaaki Abe*, Yoshio Hisaeda*



Microwave-assisted guanidinylation in solid phase peptide synthesis: comparison of various reagents

pp 6198–6203

Ewa Witkowska, Karolina Kubik, Jolanta Krosnicka, Karolina Grabowska, Anna Niesioruk, Beata Wilenska, Aleksandra Misicka*



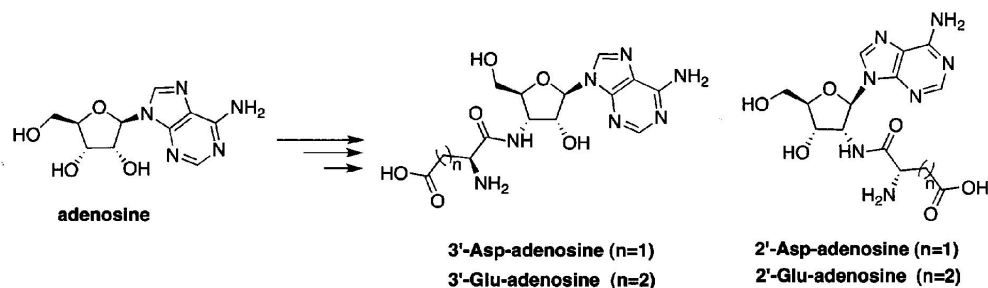
*Guanidylating reagents are derivatives of: guanidine, pyrazole, S-alkylisothiurea.



Synthesis of non-hydrolyzable substrate analogs for Asp-tRNA^{Asn}/Glu-tRNA^{Gln} amidotransferase

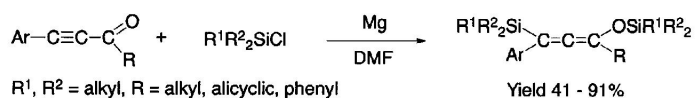
pp 6204–6207

Chayada Klinchan, Yu-Ling Hsu, Lee-Chiang Lo*, Wanchai Pluempunpat, Pitak Chuawong*

**Facile synthesis of multifunctionalized allenes by magnesium-promoted reductive silylation of aromatic conjugated ynones**

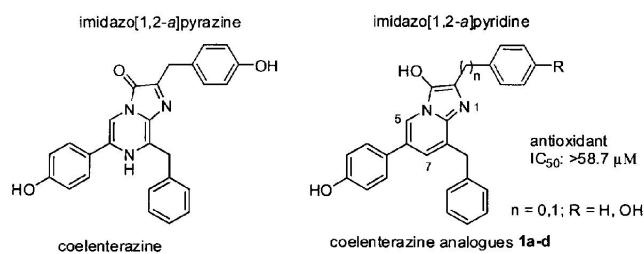
pp 6208–6211

Hirofumi Maekawa*, Atsushi Takano, Masamitsu Watanabe

**Efficient synthesis and antioxidant activity of coelenterazine analogues**

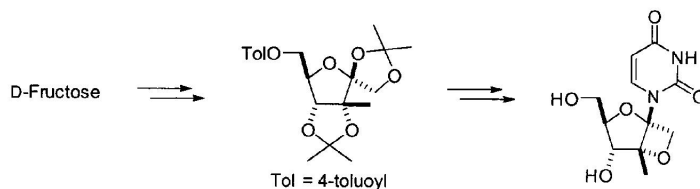
pp 6212–6215

Yueting Lu, Rudi Hendra, Aaron J. Oakley, Paul A. Keller*

**Synthesis and anti-HCV activity of 1-(1',3'-O-anhydro-3'-C-methyl-β-D-psicofuranosyl)uracil**

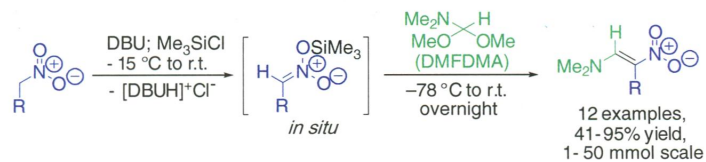
pp 6216–6219

Zofia Komsta*, Benjamin Mayes*, Adel Moussa, Montserrat Shelbourne, Alistair Stewart, Andrew J. Tyrrell, Laura L. Wallis, Alexander C. Weymouth-Wilson, Alexander Yurek-George



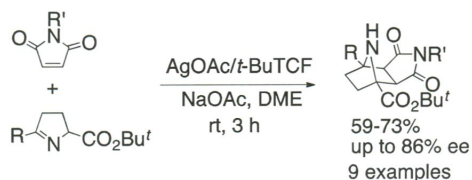
Reactions of silyl nitronates with dimethylformamide dimethyl acetal as a new general procedure for the synthesis of 2-nitroenamines pp 6220–6223

Alexander S. Shved, Andrey A. Tabolin*, Yulia A. Khomutova, Sema L. Ioffe



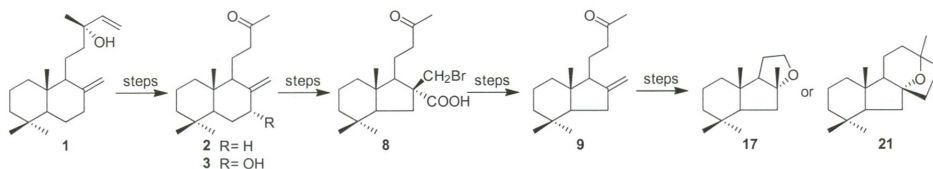
Synthesis of 7-azabicyclo[2.2.1]heptane-1-carboxylate via silver/ThioClickFerrophos-catalyzed asymmetric 1,3-dipolar cycloaddition of dihydropyrrole ester with N-substituted maleimide pp 6224–6226

Atsuo Tada, Sayo Watanabe, Midori Kimura, Yuichiro Tokoro, Shin-ichi Fukuzawa*



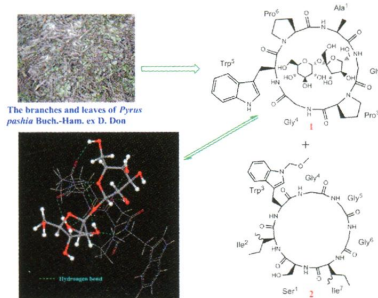
Convenient syntheses of ring-B-nor analogues of Ambrox® and amberketal via a novel ring contraction reaction pp 6227–6230

Gary B. Evans*, Scott A. Cameron, Shayne R. Culbert, Peter K. Grant



Pashintide A, the first plant cyclopeptide from Rosaceae, included a sucrose, suggests a new natural receptor for saccharide pp 6231–6235

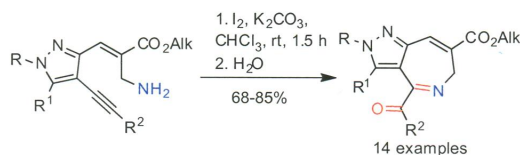
Le Cai, Mian Zhao, Shixi Liu, Tianpeng Yin, Hao Zhou, Jianwei Dong, Yabin Yang, Zhongtao Ding*



Synthesis of dihydropyrazolo[4,3-c]azepines via iodine-mediated intramolecular hydrative cyclization

pp 6236–6239

Harikrishna Batchu, Sanjay Batra*

**Silver-promoted *trans*-hydrofluorination of ynamides: a regio- and stereoselective approach to (*Z*)- α -fluoroenamides**

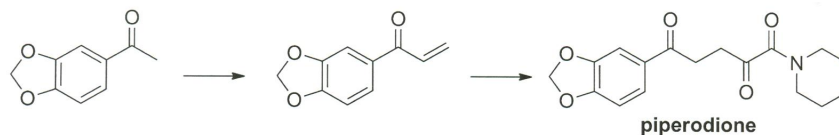
pp 6240–6242

Jianwei Che, Yinglong Li, Fang Zhang, Renwei Zheng*, Yihui Bai, Gangguo Zhu*

**First total synthesis of piperodione and analogs**

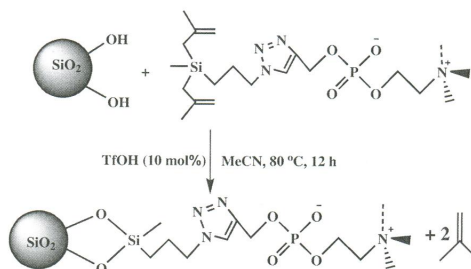
pp 6243–6244

Sven Sommerwerk, Simone Kern, Lucie Heller, René Csuk*

**Synthesis and application of moisture-stable methallylsilanated phosphorylcholine as a surface modifier**

pp 6245–6247

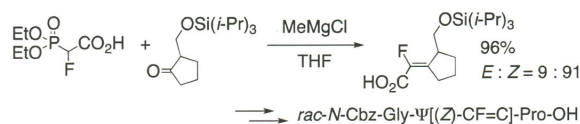
Lei Liu, Jun Hyun Song, Myong Euy Lee*, Ye Ri Han, Chul-Ho Jun

Synthesis of Phosphorylcholine-Modified Silica

Z-Selective Horner–Wadsworth–Emmons reaction of 2-TOM-cyclopentanone for the synthesis of *rac*-N-Cbz-Gly-Ψ[(Z)-CF=C]-Pro-OH dipeptide isostere

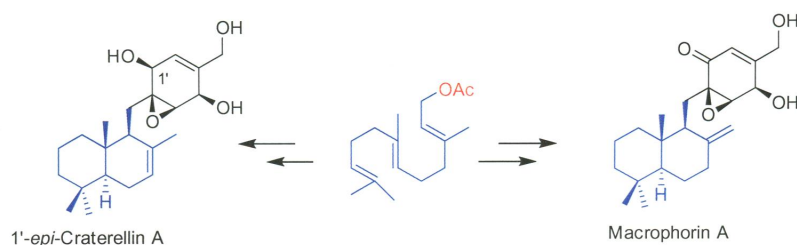
pp 6248–6251

Shigeki Sano*, Tomoya Matsumoto, Hiroshi Nanataki, Shota Tempaku, Michiyasu Nakao

**Total synthesis of bioactive drimane–epoxyquinol hybrid natural products: macrophorin A, 4'-oxomacrophorin A, and 1'-*epi*-craterellin A**

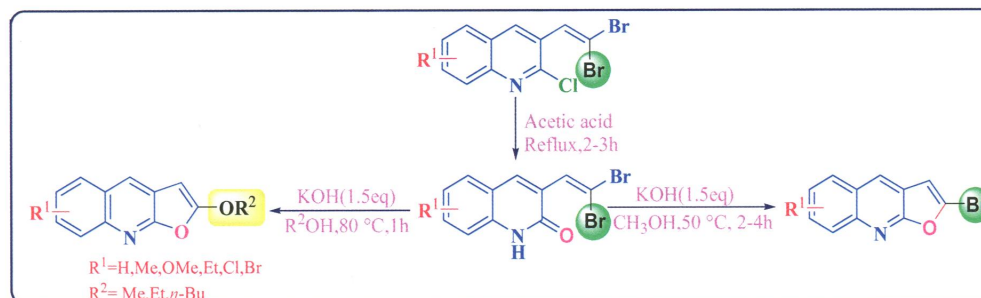
pp 6252–6256

Sumanta Garai, Goverdhan Mehta*

**Temperature dependent selective synthesis of linear 2-bromo and 2-alkoxyfuro[2,3-*b*]quinolines: reaction of 3-(2,2-dibromovinyl)-quinolin-2(1*H*)-ones with alcoholic KOH**

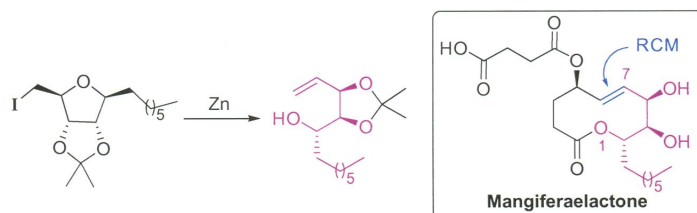
pp 6257–6262

Durgesh Nandini, Mrityunjaya Asthana, Kalpana Mishra, R. P. Singh, Radhey M. Singh*

**Total synthesis of mangiferaelactone**

pp 6263–6265

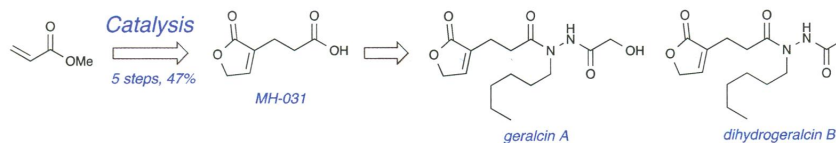
Paresh M. Vadhadiya, C. V. Ramana*



A catalytic approach to the MH-031 lactone: application to the synthesis of geraldin analogs

pp 6266–6268

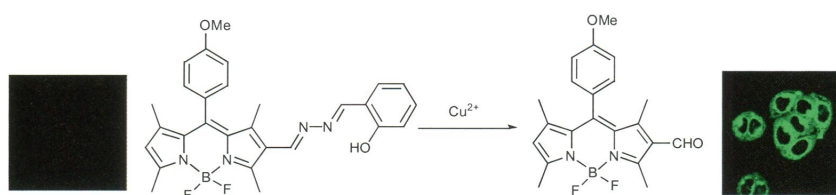
Rodolfo Tello-Aburto*, Alyssa N. Lucero, Snezna Rogelj



A colorimetric and highly sensitive and selective chemodosimeter for Cu²⁺ and its application in live cell imaging

pp 6269–6273

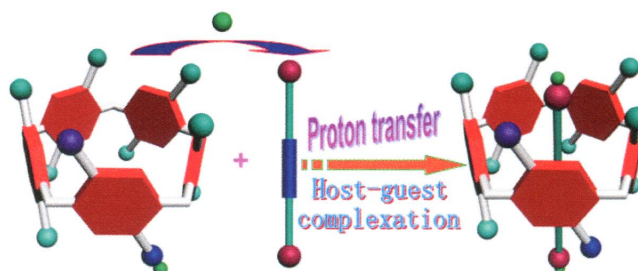
Jia-Hai Ye*, Jing Xu, Huachao Chen, Yang Bai, Wenchao Zhang, Weijiang He*



Proton transfer-assisted host-guest complexation between a difunctional pillar[5]arene and amine-based guests

pp 6274–6276

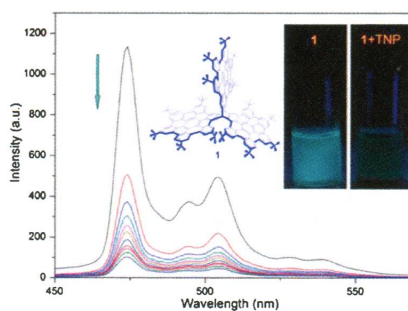
Bin Hua, Guocan Yu*



Three-dimensional nanographene based on triptycene for detection of nitroaromatic explosives

pp 6277–6280

Peng-Cheng Zhu, Liu-Ning Luo, Pei-Qian Cen, Jing-Tao Li, Chun Zhang*



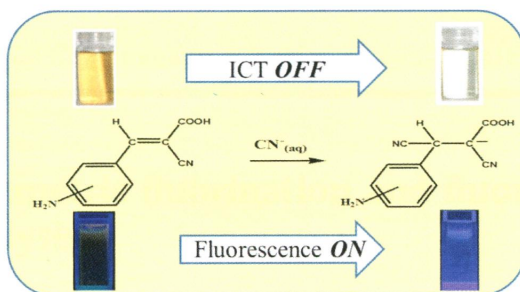
3D nanographene **1**, with three HBC units arraying in the 3D triptycene scaffold, displayed strong intrinsic fluorescence properties and could be used as a detector for nitroaromatic explosives such as TNP with quenching efficiency K_{sv} of $1.8 \times 10^4 \text{ M}^{-1}$ and sensitivity of 2.4 ng/mm^2 , respectively.



Highly selective colorimetric/fluorometric chemodosimeters for cyanide ions in aqueous solution based on Michael addition to C-atom possessing different polar substituents

pp 6281–6285

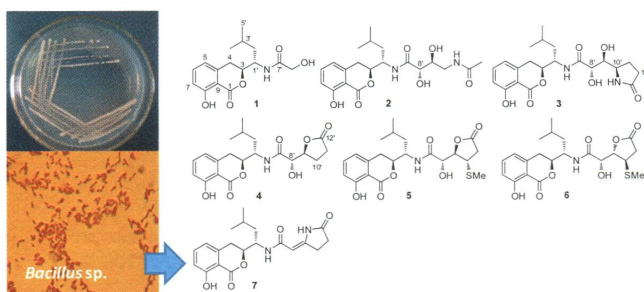
R. Manivannan, A. Satheshkumar, Kuppanagounder P. Elango*



Amicoumacins from the marine-derived bacterium *Bacillus* sp. with the inhibition of NO production

pp 6286–6291

Jian Bai, Dong Liu, Siwang Yu, Peter Proksch, Wenhan Lin*



A green protocol for the N-formylation of amines using molybdate sulfuric acid as a reusable solid catalyst

pp 6292–6296

Bahador Karami*, Mahnaz Farahi, Fariba Pam



*Corresponding author

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